



**Australian Government**

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**IP Australia**

**AUSTRALIAN OFFICIAL JOURNAL**

**OF**

**PATENTS**



## Contents

### General Information & Notices

#### Amendments

Applications for Amendment .....	189
Amendments Made .....	191
Alteration of Name(s) of Applicant(s)/Patentee(s) .....	193

#### Applications Accepted

Name Index .....	330
Numerical Index .....	388
IPC Index .....	393

Applications with amended filing dates Reg 3.5(A). .....	182
--	-----

Applications Lapsed, Refused or Withdrawn, Patents Ceased or Expired .....	183
---	-----

#### Applications Open to Public Inspection

Name Index .....	200
Numerical Index .....	231
IPC Index .....	234

Assignments before Grant, Section 113 .....	186
---	-----

Assignments Registered .....	406
------------------------------	-----

#### Certified Innovation Patents

Name Index .....	402
Numerical Index .....	403
IPC Index .....	404

#### Complete Applications Filed

Name Index .....	165
Numerical Index .....	176

Corrigenda .....	407
------------------	-----

<b>Extensions of Term of Standard Patents .....</b>	<b>407</b>
<b>Extensions of Time, Section 223 .....</b>	<b>187</b>
<b>Innovation Patent Applications Filed</b>	
Name Index .....	179
Numerical Index .....	182
<b>Innovation Patents Open to Public Inspection</b>	
Name Index .....	238
Numerical Index .....	246
IPC Index .....	247
<b>PCT applications which have entered the National Phase</b>	
Name Index .....	249
Numerical Index .....	314
IPC Index .....	320
<b>Patents Granted .....</b>	<b>405</b>
<b>Opposition Proceedings .....</b>	<b>405</b>
<b>Provisional Applications Filed</b>	
Name Index .....	157
Numerical Index .....	163
<b>Specifications Republished .....</b>	<b>408</b>

## *General Information*

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

*Editorial enquiries*

*Contact information*

*Freedom of Information ACT*

*Professional Standards Board*

*Sales*

*Requests for Information under Section 194 (c)*

*Country Codes*

*Trade Mark and Designs Hearing Sessions*

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

## GUIDE TO THE USE OF THIS JOURNAL

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

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

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

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

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

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

### **(iii) ACCEPTANCE –**

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

### **(iv) OPPOSITION –**

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

### **(v) GRANTING –**

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

### **(vi) CERTIFICATION**

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

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

## How To Identify Information Using "INID" Numbers

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

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

(22) 12.10.91

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

## How Australian Patent Documents are Numbered

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

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

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

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

**See Examples:**

2011236254 and 2000023658 (Standard Complete)

2011158589 (Innovation Complete)

2011902365 (Provisional)

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

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

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

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

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

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

## Arrangement of Information in the Journal

For each of the categories

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

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

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

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

## Using the Indices

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

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

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

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

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

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



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

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

The following Numerical Indices are available:

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

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

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

The indices to use are

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

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

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

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

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

### (10) Document identification

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

### (20) Document filing data

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

### (30) Priority data

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

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

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

**(50) Technical Information**

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

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

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

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

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

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

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

**NOTE**

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

**AU-A** = Pre-examination

**AU-B** = Post-examination

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

**Official Notice**

*Patents (Approved Means for Paying a Fee) Determination 2019*  
*Patents (Means and Form of Filing Documents) Instrument 2019*  
*Patents (Means and Form of Filing Documents and Evidence) (Opposition and Other Proceedings) Instrument 2019*  
*Patents (Formalities Requirements for Patent Documents) Determination 2019*

The *Intellectual Property Laws Amendment (Productivity Commission Response Part 1 and Other Measures) Act 2018* (IP Amendment Act) amends the Patents Act to allow the Commissioner, by way of non-legislative instruments, to:

- determine the means for filing a document with the Patent Office,
- give a direction specifying the form in which a document is to be filed,
- give a direction in relation to the filing of evidence in connection with a matter arising under the Patents Act,
- determine the means for paying a fee, and
- determine the formalities requirements in relation to a complete application.

Moving the requirements to non-legislative instruments provides flexibility to adopt more efficient processes as they become available.

IP Australia has published four instruments in the Official Journal of Patents in preparation for their commencement. They set out the requirements in relation to:

- the approved and preferred means of paying fees
  - *Patents (Approved Means for Paying a Fee) Determination 2019.*
- the means and form of filing documents
  - *Patents (Means and Form of Filing Documents) Instrument 2019.*
- the means and form of filing evidence and opposition documents
  - *Patents (Means and Form of Filing Documents and Evidence) (Opposition and Other Proceedings) Instrument 2019.*
- the formalities requirements in relation to complete applications
  - *Patents (Formalities Requirements for Patent Documents) Determination 2019.*

The instruments do not substantially change the requirements that presently apply in relation to these matters.

These instruments will commence at the same time as the corresponding parts in the IP Amendment Act, which will be on 24 February 2019, unless proclaimed to commence earlier.

Copies of the instruments are included in this notice.

The Manual of Practice and Procedure and the Objective Connect User Guide are being updated to reflect these changes. Users are encouraged to consult the Manual and the Guide if they are uncertain what requirements apply to their situation.

For more information, please contact Steven Barker in Patent Oppositions and Exam Practice.

To be published in the Australian Official Journal of Patents on 17 January 2019.



## Patents (Approved Means for Paying a Fee) Determination 2019

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I, Frances Roden, Commissioner of Patents, make the following determination.

Dated 7/1/19

*Frances Roden*

Frances Roden  
Commissioner of Patents

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# Contents

<b>Part 1—Preliminary</b>	<b>1</b>
1 Name.....	1
2 Commencement.....	1
3 Authority.....	1
4 Definitions.....	1
<b>Part 2—Approved means for paying a fee</b>	<b>2</b>
5 Approved means for paying a fee.....	2
6 Preferred means for paying a fee.....	2

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## Part 1—Preliminary

### 1 Name

This determination is the *Patents (Approved Means for Paying a Fee) Determination 2019*.

### 2 Commencement

- (1) Each provision of this determination specified in column 1 of the table commences, or is taken to have commenced, in accordance with column 2 of the table. Any other statement in column 2 has effect according to its terms.

Commencement information		
Column 1	Column 2	Column 3
Provisions	Commencement	Date/Details
1. The whole of this determination	At the same time as Parts 2 and 3 of Schedule 2 to the <i>Intellectual Property Laws Amendment (Productivity Commission Response Part 1 and Other Measures) Act 2018</i> .  However, the provisions do not commence at all if those parts do not commence.	

Note 1: This table relates only to the provisions of this determination as originally made. It will not be amended to deal with any later amendments of this determination.

Note 2: Parts 2 and 3 of Schedule 2 to the *Intellectual Property Laws Amendment (Productivity Commission Response Part 1 and Other Measures) Act 2018* commence at the same time as Parts 2 and 3 of Schedule 1 to that Act: see item 6 of the table in subsection 2(1) of that Act. Parts 2 and 3 of Schedule 1 to that Act commence on 24 February 2019, unless proclaimed to commence earlier: see item 3 of the table in subsection 2(1) of that Act, after that Act received the Royal Assent on 24 August 2018.

- (2) Any information in column 3 of the table is not part of this determination. Information may be inserted in this column, or information in it may be edited, in any published version of this determination.

### 3 Authority

This determination is made under subsection 227AAA(1) of the Act.

### 4 Definitions

In this determination:

*Act* means the *Patents Act 1990*.

*EFT* means Electronic Funds Transfer.

*EFTPOS* means Electronic Funds Transfer at Point of Sale.

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## **Part 2—Approved means for paying a fee**

### **5 Approved means for paying a fee**

For the purposes of subsection 227(2C) of the Act, the means for paying a fee are by:

- (a) credit card; or
- (b) accounts for selected services; or
- (c) cash, cheque or money order; or
- (d) EFTPOS; or
- (e) EFT; or
- (f) direct debit.

Note: The availability of payment methods may vary depending on the means of filing.

### **6 Preferred means for paying a fee**

The preferred means for paying a fee are by:

- (a) credit card; or
- (b) direct debit.



## **Patents (Means and Form of Filing Documents and Evidence) (Opposition and Other Proceedings) Instrument 2019**

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I, Frances Roden, Commissioner of Patents, make the following instrument.

Dated 7/1/19

*Frances Roden*

Frances Roden  
Commissioner of Patents

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# Contents

<b>Part 1—Preliminary</b>	<b>1</b>
1 Name.....	1
2 Commencement.....	1
3 Authority.....	1
4 Definitions.....	2
<b>Part 2—Means and form for filing documents and evidence</b>	<b>2</b>
5 Approved means of filing documents (including evidence in the form of a document).....	2
6 Form for filing documents—electronic filing using Objective Connect.....	3
7 Form for filing evidence describing physical articles.....	4

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## Part 1—Preliminary

### 1 Name

This instrument is the *Patents (Means and Form of Filing Documents and Evidence) (Opposition and Other Proceedings) Instrument 2019*.

### 2 Commencement

- (1) Each provision of this instrument specified in column 1 of the table commences, or is taken to have commenced, in accordance with column 2 of the table. Any other statement in column 2 has effect according to its terms.

Commencement information		
Column 1	Column 2	Column 3
Provisions	Commencement	Date/Details
1. The whole of this instrument	At the same time as Parts 2 and 3 of Schedule 2 to the <i>Intellectual Property Laws Amendment (Productivity Commission Response Part 1 and Other Measures) Act 2018</i> .  However, the provisions do not commence at all if those parts do not commence.	
Note 1:	This table relates only to the provisions of this instrument as originally made. It will not be amended to deal with any later amendments of this instrument.	
Note 2:	Parts 2 and 3 of Schedule 2 to the <i>Intellectual Property Laws Amendment (Productivity Commission Response Part 1 and Other Measures) Act 2018</i> commence at the same time as Parts 2 and 3 of Schedule 1 to that Act: see item 6 of the table in subsection 2(1) of that Act. Parts 2 and 3 of Schedule 1 to that Act commence on 24 February 2019, unless proclaimed to commence earlier: see item 3 of the table in subsection 2(1) of that Act, after that Act received the Royal Assent on 24 August 2018.	
Note 3:	On commencement, this instrument will replace the <i>Patents (Filing Documents and Evidence – Opposition) Direction 2017</i> . That Direction will cease to have effect if Part 3 of Schedule 2 to the <i>Intellectual Property Laws Amendment (Productivity Commission Part 1 and Other Measures) Regulations 2018</i> commences. The effect of section 2 of those Regulations is that Part 3 of Schedule 2 to those Regulations commences at the same time as this instrument.	

- (2) Any information in column 3 of the table is not part of this instrument. Information may be inserted in this column, or information in it may be edited, in any published version of this instrument.

### 3 Authority

This instrument is made under the following provisions of the Act:

- (a) subsection 214A(1), for the purposes of section 214 of the Act; and
- (b) subsection 214B(1); and
- (c) subsection 214C(1).

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## 4 Definitions

In this instrument:

*Act* means the *Patents Act 1990*.

*Objective Connect* means the electronic document management system known as Objective Connect.

Note: IP Australia provides access to Objective Connect.

*Regulations* means the *Patents Regulations 1991*.

*Workspace* means a common repository where invited parties have access to upload, view and download documents. It is created and managed by IP Australia. Access is only provided to parties that are participating in a specific proceeding. At the completion of the proceeding, the Workspace is closed.

Note: Workspace was previously called Share.

## Part 2—Means and form for filing documents and evidence

### 5 Approved means of filing documents (including evidence in the form of a document)

- (1) A document mentioned in subsection (3), or evidence in the form of a document, that may or must be filed under Chapter 5 of the Regulations, is to be filed with the Patent Office using:
- (a) Objective Connect; or
  - (b) if it is not practicable to file the document or evidence using Objective Connect—a means specified by the Commissioner in writing.

Note: Chapter 5 of the Regulations deals with opposition proceedings in relation to patents.

- (2) A document mentioned in subsection (4), or evidence in the form of a document, that may or must be filed under the Act or the Regulations (other than Chapter 5 of the Regulations), is to be filed with the Patent Office using:
- (a) if the Commissioner has given the person filing the document or evidence notice that a Workspace has been created for the matter in Objective Connect—Objective Connect; or
  - (b) if a notice has not been given under paragraph (a), or a notice has been given but it is not practicable to file the document or evidence using Objective Connect—a means specified by the Commissioner in writing.
- (3) For subsection (1), the documents are the following:
- (a) a statement of grounds and particulars;
  - (b) a document mentioned in a statement of grounds and particulars;
  - (c) a summary of submissions for an oral hearing;
  - (d) a covering letter for a document mentioned in paragraph (a), (b) or (c);
  - (e) a covering letter relating to evidence, where the evidence is filed using Objective Connect.

- 
- (4) For subsection (2), the documents are the following:
- (a) a summary of submissions for an oral hearing;
  - (b) a covering letter for a document mentioned in paragraph (a);
  - (c) a covering letter relating to evidence, where the evidence is filed using Objective Connect.
- (5) Objective Connect is not an approved means for filing a document, or evidence in the form of a document, that is not specified in subsections (3) or (4).

Note: The means for filing a document other than a document specified in subsections (3) or (4) is set out in the *Patents (Means and Forms of Filing Documents) Instrument 2019*.

## **6 Form for filing documents—electronic filing using Objective Connect**

- (1) This section sets out the form in which a document, other than a document that is required to be in an approved form, is to be filed using Objective Connect.

Note: The *Patents (Formalities Requirements for Patent Documents) Determination 2019* sets out requirements for patent documents that apply in addition to the requirements of this section.

- (2) The document is to be in one or more of the following electronic file formats:
- (a) Portable Document Format (PDF) (.pdf);
  - (b) Text (.txt);
  - (c) Word (.doc, .docx);
  - (d) XML (.xml);
  - (e) TIFF (.tif);
  - (f) PNG (.png);
  - (g) JPEG (.jpeg, .jpg);
  - (h) MP3 (.mp3);
  - (i) MPEG (.mpg, .mpeg).
- (3) The document is to be given a title in the following form:
- (a) for a statement of grounds and particulars—“Statement of Grounds and Particulars”;
  - (b) for documents mentioned in the statement of grounds and particulars—“SGP mentioned documents”;
  - (c) for evidence in support—“Evidence in support” followed by a brief description of the evidence;
  - (d) for evidence in answer—“Evidence in answer” followed by a brief description of the evidence;
  - (e) for evidence in reply—“Evidence in reply” followed by a brief description of the evidence;
  - (f) for produced evidence—“Produced evidence” followed by a brief description of the evidence;
  - (g) for a summary of submissions for a hearing—“Summary of submissions” followed by a description of the party filing the summary;

- 
- (h) for Exhibits or Attachments to a declaration—"Evidence in" followed by the relevant stage, and then "Exhibits to the xxx declaration" inserting the name of the person;
  - (i) for covering letters—"Covering letter" followed by a brief description of the relevant stage.

Example 1: For paragraph (c)—"Evidence in support—Jones declaration".

Example 2: For paragraph (g)—"Summary of submissions—opponent".

Example 3: For paragraph (h)—"Evidence in support—Exhibits to the Jones declaration".

Example 4: For paragraph (i)—"Covering letter—Completion of evidence in support", or "Covering letter—Part evidence in support".

- (4) Each electronic file is to contain only one evidence document or other document.
- (5) For the purposes of subsection (4), the following are treated as a single document:
  - (a) the documents mentioned in a statement of grounds and particulars;
  - (b) the Exhibits and Attachments to a declaration.
- (6) Subject to subsection (8), all documents mentioned in the statement of grounds and particulars are to be contained in a single electronic file, separate to the statement of grounds and particulars, and each document is to be bookmarked separately in the file.
- (7) Subject to subsection (8), where a document is a declaration that includes Exhibits or Attachments, those Exhibits or Attachments are to be provided in a single electronic file separate to the rest of the declaration. Each Exhibit or Attachment is to be bookmarked separately in the file.
- (8) If an electronic file exceeds 1 GB in size:
  - (a) it is to be provided in more than one file, with each file not exceeding 1 GB; and
  - (b) the title for each file is to:
    - (i) be in the form mentioned in subsection (3); and
    - (ii) briefly identify which part of the document is contained in the file.

Example 1: "Evidence in answer—Jones declaration Part 1 of 2".

Example 1: "SGP mentioned documents Part 1 of 3".

Note: The form for filing a documents other than a document specified in subsections 5(3) or (4) of this instrument is set out in the *Patents (Means and Forms of Filing Documents) Instrument 2019*.

## **7 Form for filing evidence describing physical articles**

- (1) This section applies to evidence that describes a physical article where that article cannot be filed in the form specified in section 6 of this instrument.
- (2) The evidence is to be in the form of a declaration that:
  - (a) describes the article; and
  - (b) includes a photograph or video recording of the article as an exhibit to the declaration.

- 
- Note 1: A declaration must be in the approved form: see regulation 22.13 of the Regulations.
- Note 2: Section 6 sets out additional requirements relating to the form of the evidence if it is a document filed using Objective Connect.



## Patents (Formalities Requirements for Patent Documents) Determination 2019

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I, Frances Roden, Commissioner of Patents, make the following determination.

Dated 7/1/19

*Frances Roden*

Frances Roden  
Commissioner of Patents

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# Contents

<b>Part 1—Preliminary</b>	<b>1</b>
1 Name.....	1
2 Commencement.....	1
3 Authority.....	1
4 Definitions.....	1
<b>Part 2—Formalities requirements for patent documents</b>	<b>2</b>
5 Terminology and signs.....	2
6 Title of specification.....	2
7 Fitness for reproduction.....	2
8 Separate sheets.....	3
9 Margins.....	3
10 Numeration.....	3
11 Writing of textual matter.....	4
12 Drawings, graphics, photographs, formulas and tables in textual matter.....	4
13 Words in drawings, graphics and photographs.....	5
14 Alterations.....	5
15 Special requirements for drawings, graphics and photographs.....	5
16 Amino acid sequences and nucleotide sequences.....	6
17 Scandalous matter.....	6
18 Amendment of documents.....	7
19 Compliance with forms.....	7



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## Part 1—Preliminary

### 1 Name

This determination is the *Patents (Formalities Requirements for Patent Documents) Determination 2019*.

### 2 Commencement

- (1) Each provision of this determination specified in column 1 of the table commences, or is taken to have commenced, in accordance with column 2 of the table. Any other statement in column 2 has effect according to its terms.

Commencement information		
Column 1	Column 2	Column 3
Provisions	Commencement	Date/Details
1. The whole of this determination	At the same time as Parts 6 to 12 of Schedule 2 to the <i>Intellectual Property Laws Amendment (Productivity Commission Response Part 1 and Other Measures) Act 2018</i> .  However, the provisions do not commence at all if those parts do not commence.	

Note 1: This table relates only to the provisions of this determination as originally made. It will not be amended to deal with any later amendments of this determination.

Note 2: Parts 6 to 12 of Schedule 2 to the *Intellectual Property Laws Amendment (Productivity Commission Response Part 1 and Other Measures) Act 2018* commence at the same time as Parts 2 and 3 of Schedule 1 to that Act: see item 8 of the table in subsection 2(1) of that Act. Parts 2 and 3 of Schedule 1 to that Act commence on 24 February 2019, unless proclaimed to commence earlier: see item 3 of the table in subsection 2(1) of that Act, after that Act received the Royal Assent on 24 August 2018.

- (2) Any information in column 3 of the table is not part of this determination. Information may be inserted in this column, or information in it may be edited, in any published version of this determination.

### 3 Authority

This determination is made under subsection 229(1) of the Act for the purposes of the following:

- (a) paragraphs 29(4A)(d) and (4B)(c) of the Act; and
- (b) subregulations 3.2C(3) and 22.16(2), and paragraph 10.2(1)(a), of the Regulations.

### 4 Definitions

In this determination:

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*Act* means the *Patents Act 1990*.

*Regulations* means the *Patents Regulations 1991*.

*sheet* means either a piece of paper, or an electronic image or representation of a piece of paper.

*usable surface* has the meaning set out in paragraph 9(2)(b) of this determination.

*WIPO* means the World Intellectual Property Organization.

## **Part 2—Formalities requirements for patent documents**

### **5 Terminology and signs**

In a document:

- (a) units of description must be expressed in terms of the metric system or, if first expressed in other terms, must be expressed also in terms of that system; and
- (b) temperatures must be expressed in degrees Celsius or, if first expressed in another manner, must be expressed also in degrees Celsius; and
- (c) to indicate units of measurement, the rules of international practice must be observed; and
- (d) in chemical formulas, the symbols, atomic weights and molecular formulas in general use must be employed; and
- (e) other terms, signs and symbols that are generally accepted in the art to which the document principally relates must be employed; and
- (f) the beginning of any decimal fraction must be marked by a period; and
- (g) units, signs, symbols and other terms must be used consistently.

### **6 Title of specification**

A complete specification must commence with a short and precise title.

### **7 Fitness for reproduction**

- (1) Where a document is filed on paper, each sheet comprising a document or part of a document:
  - (a) must be presented in a manner that allows any number of copies of the sheet to be reproduced directly by means of photography, an electrostatic or photo-offset process and microfilming; and
  - (b) must not be folded, creased or cracked; and
  - (c) subject to subsection 12(4) and subsection 15(16), must be presented in a vertical format; and
  - (d) must be durable, flexible, smooth, strong, white and have a matte finish; and
  - (e) must be international sheet size A4; and
  - (f) must be printed on only one side of the sheet; and

- 
- (g) must be presented in a manner that allows the sheets to be converted to an electronic form that is legible when the sheets are viewed as the same size as an A4 sheet.
- (2) Where a document is filed in electronic form, any images of drawings, graphics, photographs or formulas must be of sufficient clarity that the images are legible when the sheets are viewed as the same size as an A4 sheet.

## 8 Separate sheets

- (1) The patent request, the description of the invention, the claim or claims, any drawing, graphic or photograph, and an abstract, must each commence on a separate sheet.
- (2) The sheets comprising a document must be connected so that they may be readily:
- (a) turned to be read; and
  - (b) separated for the purposes of reproduction and then re-joined.

## 9 Margins

- (1) Subject to subsection (2), each sheet of a complete specification, or an abstract, must have a margin that is not less than:
- (a) at the top—2 cm; and
  - (b) on the left—2.5 cm; and
  - (c) on the right—2 cm; and
  - (d) at the bottom—2 cm.
- (2) A sheet of drawings, graphics or photographs:
- (a) must have a margin that is not less than:
    - (i) at the top—2.5 cm; and
    - (ii) on the left—2.5 cm; and
    - (iii) on the right—1.5 cm; and
    - (iv) at the bottom—1 cm; and
  - (b) must show the drawings entirely within that margin and within an area of the sheet measuring 26.2 cm × 17.0 cm (the *useable surface*); and
  - (c) must not contain a frame surrounding the drawings or the useable surface.

## 10 Numeration

- (1) A patent request and a complete specification of a complete application must be presented in the following order:
- (a) patent request;
  - (b) description of the invention, other than any sequence listing part of the description;
  - (c) claim or claims;
  - (d) abstract;
  - (e) drawing(s), graphic(s) and photograph(s);

- 
- (f) sequence listing part of the description, if applicable.
- (2) Subject to subsection (3), the sheets of a complete specification must be numbered consecutively in Arabic numerals beginning with '1' that are placed at the top and in the middle, of the sheet, but not within the margins of the sheet.
  - (3) The sheets of a complete specification that contain drawings, graphics or photographs must be numbered by means of sets of 2 Arabic numerals separated by an oblique stroke, the first numeral in each set being the consecutive number of each sheet, beginning with the Arabic number '1' and the second being the total number of the sheets containing the drawings, graphics or photographs.
  - (4) If there is more than 1 claim referred to in a complete specification, the claims must be numbered consecutively in Arabic numerals beginning with '1'.
  - (5) In a statement of proposed amendments:
    - (a) the proposed amendments must be numbered consecutively; and
    - (b) if the statement is a subsequent one, the numbering must be consecutive with the numbers in the previous statement.

## **11 Writing of textual matter**

- (1) Subject to subsection (2), except with the consent of the Commissioner, a patent request and a complete specification of a complete application, including any abstract, must be typewritten or otherwise machine printed.

Note: A person seeking to file a complete application that it is not typewritten or otherwise machine printed should first request the consent of the Commissioner. In deciding whether to give consent, the Commissioner may consider whether the document can be reproduced satisfactorily.

- (2) If necessary, symbols relating to graphic matter, or chemical or mathematical formulas, may be handwritten or drawn, as the case may be.
- (3) The lines of text in a typewritten document must be 1<sup>1</sup>/<sub>2</sub> spaced.
- (4) The text in a document must be presented in letters the capitals of which are not less than 0.21 cm high, in a dark colour and be indelible.

## **12 Drawings, graphics, photographs, formulas and tables in textual matter**

- (1) A patent request in relation to a complete application must not include a drawing, graphic or photograph.
- (2) The description of an invention or an abstract:
  - (a) must not include a drawing, graphic or photograph; and
  - (b) may include chemical or mathematical formulas or tables.
- (3) A claim:
  - (a) must not include a drawing, graphic or photograph; and
  - (b) may include chemical or mathematical formulas; and
  - (c) may include tables if the subject matter of the claim makes the use of a table desirable.

- 
- (4) A table or a chemical or mathematical formula may be presented in a horizontal format if it cannot be presented in a vertical format in a satisfactory manner.
  - (5) If a table or a chemical or mathematical formula is presented in a horizontal format, the top of the table or formula must be placed on the left side of the sheet.

### **13 Words in drawings, graphics and photographs**

A drawing, graphic or photograph must not include text, other than a word or words indispensable to the understanding of the drawing, graphic or photograph.

### **14 Alterations**

- (1) A document must be free from erasures, alterations, overwritings and interlineations.
- (2) Strict compliance with subsection (1) is required unless the Commissioner considers that substantial compliance would not:
  - (a) compromise the authenticity; or
  - (b) jeopardise the likelihood of clear reproduction; of the document.

### **15 Special requirements for drawings, graphics and photographs**

- (1) A drawing must be executed in durable, dense, uniformly thick and well-defined, lines and strokes.
- (2) Subject to subsections 12(1) to (3) of this determination, a photograph or graphic may be filed in substitution for a drawing where it is impossible to represent in a drawing what is to be shown.
- (3) The use of colour is only permitted in a drawing, photograph or graphic if the colouring is indispensable to understanding the invention.

Note: If the document is transferred to WIPO or the office of any foreign jurisdiction, the drawing, graphic or photograph may be converted to greyscale or black and white upon receipt by WIPO or the office of any foreign jurisdiction.
- (4) A cross-section must be indicated by oblique hatching that does not impede the clear reading of reference letters, numbers or signs and leading lines.
- (5) The scale of a drawing and the distinctness of its execution must enable all the details to be distinguished without difficulty on a photographic reproduction of the drawing with a two-thirds linear reduction in size.
- (6) If the scale of a drawing is given on the drawing, it must be represented graphically.
- (7) A letter, number or reference line that is shown on a drawing must be presented simply and be clear.
- (8) Brackets, braces, circles or inverted commas must not be used in association with letters or numbers.

- 
- (9) A line in a drawing must ordinarily be drawn with the aid of drafting instruments.
  - (10) A sheet of drawings may include more than 1 drawing.
  - (11) Each element of a drawing must be shown in proper proportion to each other element of the drawing, other than where the use of a different proportion is indispensable for the clarity of the drawing.
  - (12) The height of a letter or a number in a drawing must not be less than 0.32 cm.
  - (13) For the lettering of a drawing, the Latin or, if customary, the Greek alphabet must be used.
  - (14) If drawings on 2 or more sheets of drawings form in effect a single drawing, the drawings must be so arranged that the single drawing can be assembled without concealing any part of the other drawings.
  - (15) Subject to subsection 15(16), if there is more than 1 drawing on a sheet of drawings, the drawings must be presented on the sheet of drawings in a vertical format and separate from each other.
  - (16) If the drawings on a sheet of drawings cannot be presented in a vertical format, they must be presented in a horizontal format with the tops of the drawings on the left of the sheet of drawings.
  - (17) The drawings must be numbered consecutively in Arabic numerals beginning with '1'.
  - (18) A reference sign that is not mentioned in the description of the invention must not be referred to in a drawing.
  - (19) A reference sign that is not mentioned in a drawing must not be referred to in the description.
  - (20) A feature of a drawing that is denoted by a reference sign must be so denoted consistently.
  - (21) A photograph or graphic must meet the requirements of this section that are applicable to drawings, in so far that they are relevant.

## **16 Amino acid sequences and nucleotide sequences**

Amino acid sequences or nucleotide sequences must meet the formality requirements as set out in Annex C of the Administrative Instructions under the Patent Cooperation Treaty, as in force at the time this determination commenced.

Note: At the time this determination commenced, the Administrative Instructions under the Patent Cooperation Treaty could be accessed on the WIPO website at [www.wipo.int](http://www.wipo.int).

## **17 Scandalous matter**

A patent request and a complete specification of a complete application must not contain or consist of scandalous matter.

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## 18 Amendment of documents

- (1) If a proposed amendment is to be made by substituting a document or a part of a document, or the Commissioner requires the applicant or patentee to make a proposed amendment by that means, the applicant or patentee must file:
  - (a) two copies of the document or part that is to be substituted for a document or part; and
  - (b) on one of the copies, an indication of the nature and location of the proposed amendment.
- (2) The nature and location of an amendment is preferably indicated by the use of underlining for added text and a strikethrough for deleted text. The use of colour is permitted to further indicate the nature and location of an amendment.

Note: The form of amendments to documents is covered by regulation 10.1 of the Regulations.

## 19 Compliance with forms

Where this determination prescribes a form, strict compliance with the form is not required and substantial compliance is sufficient.

Note: This provision replicates the effect of section 25C of the *Acts Interpretation Act 1901*.



## Patents (Means and Form of Filing Documents) Instrument 2019

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I, Frances Roden, Commissioner of Patents, make the following instrument.

Dated 7/1/19

*Frances Roden*

Frances Roden  
Commissioner of Patents

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# Contents

<b>Part 1—Preliminary</b>	<b>1</b>
1 Name.....	1
2 Commencement.....	1
3 Authority.....	1
4 Definitions.....	1
5 Application of instrument.....	2
<b>Part 2—Means and form for filing documents</b>	<b>2</b>
6 Approved means of filing documents.....	2
7 Preferred means for filing documents.....	3
8 Form for filing documents—filing using electronic means.....	3
9 Form for filing documents—filing using other means.....	4

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## Part 1—Preliminary

### 1 Name

This instrument is the *Patents (Means and Form of Filing Documents) Instrument 2019*.

### 2 Commencement

- (1) Each provision of this instrument specified in column 1 of the table commences, or is taken to have commenced, in accordance with column 2 of the table. Any other statement in column 2 has effect according to its terms.

Commencement information		
Column 1	Column 2	Column 3
Provisions	Commencement	Date/Details
1. The whole of this instrument	At the same time as Parts 2 and 3 of Schedule 2 to the <i>Intellectual Property Laws Amendment (Productivity Commission Response Part 1 and Other Measures) Act 2018</i> .  However, the provisions do not commence at all if those parts do not commence.	

Note 1: This table relates only to the provisions of this instrument as originally made. It will not be amended to deal with any later amendments of this instrument.

Note 2: Parts 2 and 3 of Schedule 2 to the *Intellectual Property Laws Amendment (Productivity Commission Response Part 1 and Other Measures) Act 2018* commence at the same time as Parts 2 and 3 of Schedule 1 to that Act: see item 6 of the table in subsection 2(1) of that Act. Parts 2 and 3 of Schedule 1 to that Act commence on 24 February 2019, unless proclaimed to commence earlier: see item 3 of the table in subsection 2(1) of that Act, after that Act received the Royal Assent on 24 August 2018.

- (2) Any information in column 3 of the table is not part of this instrument. Information may be inserted in this column, or information in it may be edited, in any published version of this instrument.

### 3 Authority

This instrument is made under the following provisions of the Act:

- (a) subsection 214A(1), for the purposes of section 214 of the Act; and
- (b) subsection 214B(1).

### 4 Definitions

In this instrument:

*Act* means the *Patents Act 1990*.

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**ALS** (short for Alternative Lodgement Service) means the backup function accessible from IP Australia's website that can be invoked during outages of the digital lodgement systems.

**API system** (short for Application Programming Interface system) means any transactional interface, application, mobile application, website or the like that utilises an application programming interface provided by IP Australia.

**B2B** (short for Business to Business) means the electronic system known as B2B maintained by IP Australia.

**digital lodgement systems** means any website, mobile application or other similar system provided by IP Australia to lodge transactions.

Note: At the time this instrument commenced, the only digital lodgement system was the website known as eServices.

**EFS** (short for Emergency Facsimile Service) means the facsimile service that is provided by IP Australia when digital lodgement systems and ALS are unavailable due to planned or unplanned outage.

**IP Lodgement Counter** means a facility provided by IP Australia for the processing of transactions in person.

Note: At the time this instrument commenced, the IP Lodgement Counter was located at IP Australia, 47 Bowes Street, Phillip, ACT 2606.

**Regulations** means the *Patents Regulations 1991*.

**WIPO** means World Intellectual Property Organization.

## 5 Application of instrument

This instrument does not apply to a document mentioned in subsections 5(3) or (4) of the *Patents (Means and Form of Filing Documents and Evidence) (Opposition and Other Proceedings) Instrument 2019*.

Note: The *Patents (Means and Form of Filing Documents and Evidence) (Opposition and Other Proceedings) Instrument 2019* determines the means and form for filing documents and evidence for opposition and other proceedings in relation to patents.

## Part 2—Means and form for filing documents

### 6 Approved means of filing documents

- (1) A document is to be filed with the Patent Office using:
  - (a) the electronic means mentioned in subsection (2); or
  - (b) the other means mentioned in subsection (3).

Note: The Regulations deal with the filing date for patent applications: see regulations 3.5 to 3.5A of the Regulations. Where documents comprising a patent application are filed partly using electronic means and partly using other means, and the documents are received on different dates, the application of the Regulations may mean that the filing date for the application is the date on which the last document was filed.

- (2) For paragraph (1)(a), the electronic means are:
  - (a) digital lodgement systems;

- 
- (b) an API system;
  - (c) B2B;
  - (d) ALS;
  - (e) EFS, if no other electronic means is available.

Note: For a document (including any attachments) filed with the Patent Office using electronic means, the time of receipt of the document is the time in Canberra, ACT (Australian Eastern Standard/Daylight Time) when the entirety of the document is capable of being retrieved from IP Australia's information system: see section 14A of the *Electronic Transactions Act 1999*. Users should note that the time of receipt may be different to the time in the user's location.

- (3) For paragraph (1)(b), the other means are:
  - (a) post;
  - (b) delivery in person to the IP Lodgement Counter.

Note 1: At the time this instrument commenced, the postal address of the Patent Office was PO Box 200, Woden, ACT 2606.

Note 2: Section 29 of the *Acts Interpretation Act 1901* may govern when filing of a document with the Patent Office by post is taken to be effected.

## 7 Preferred means for filing documents

- (1) The preferred means for filing a document with the Patent Office are:
  - (a) digital lodgement systems; or
  - (b) an API system; or
  - (c) B2B.
- (2) If a person is attempting to file a document with the Patent Office by a means specified in subsection (1), and the person is unable to do so due to maintenance, the preferred means of filing a document is by ALS.

Note: At the time this instrument commenced, the *Alternative Lodgement Service user guide* provided guidance on using ALS, and was available on IP Australia's website at <http://www.ipaustralia.gov.au>.

- (3) For the purposes of subsection (2), if ALS is unavailable due to a planned or unplanned outage, the preferred means of filing a document is by EFS.
- (4) Where subsection (3) applies, the person must also complete and file a Declaration for use of Emergency Fax form.

Note 1: At the time this instrument commenced, the Declaration for use of Emergency Fax form was available on IP Australia's website at <http://www.ipaustralia.gov.au>.

Note 2: Under the Regulations, reduced fees may be payable for filing a document by preferred means: see subsection 227(2A) of the Act.

## 8 Form for filing documents—filing using electronic means

- (1) This section sets out the form in which a document, other than a document that is required to be in an approved form, is to be filed using electronic means, other than EFS.

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Note: The *Patents (Formalities Requirements for Patent Documents) Determination 2019* sets out requirements for patent documents that apply in addition to the requirements of this section.

- (2) The document is to be in one of the following electronic file formats:
- (a) Portable Document Format (PDF) (.pdf);
  - (b) Text (.txt);
  - (c) Word (.doc, .docx);
  - (d) XML (.xml);
  - (e) TIFF (.tif);
  - (f) PNG (.png);
  - (g) JPEG (.jpeg, .jpg);
  - (h) MP3 (.mp3);
  - (i) MPEG (.mpg, .mpeg).

Note: Approved forms are available on IP Australia's website at <http://www.ipaustralia.gov.au>, or on the relevant digital lodgement system.

- (3) Documents filed in MP3 or MPEG format may be provided to facilitate understanding of the invention, but must not form part of the specification.

## **9 Form for filing documents—filing using other means**

- (1) This section sets out the form in which a document, other than a document that is required to be in an approved form, is to be filed using other means.
- (2) The document is to be filed in one or more of the following formats:
- (a) hard copy document;
  - (b) electronic file on the following physical media:
    - (i) Compact Disc (CD);
    - (ii) Digital Versatile Disc (DVD).
- (3) If a document is an electronic file on physical media, the physical media must be enclosed in a hard case and accompanied by a transmittal letter on paper. The transmittal letter must list:
- (a) the operating system compatibility (e.g. Windows, iOS, Linux);
  - (b) the files contained on the physical media including, for each file, the file name, the file size in bytes, and the date of creation.
- (4) Physical media must be labelled with the following information:
- (a) the name of the sender;
  - (b) the name of the invention;
  - (c) any relevant reference number;
  - (d) creation date of the physical media;
  - (e) the order of media if the document extends over multiple media (e.g. CD 1 of 2);
  - (f) an indication of copy of submission if more than one copy is filed (e.g. Copy 1 or Copy 2).

- 
- (5) Physical media identified for a digital lodgement systems request must be accompanied by the physical media coversheet generated by the digital lodgement system official receipt after submission.

Note: It is the practice of IP Australia not to return physical media.

AUSTRALIAN OFFICIAL JOURNAL OF PATENTS (Supplement) 17 January 2019  
Abstract of Decision

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

*Shen Dian Enterprise Ltd v ARK Corporation Pty Ltd [2018] APO 92*

Patent Application: 2011205034

Title: Charging Apparatus and Portable Power Supply

Patent Applicant: ARK Corporation Pty Ltd

Opponent: Shen Dian Enterprise Ltd

Delegate: R Subbarayan

Decision Date: 21 December 2018

Hearing Date: 12 April 2018, in Canberra

Catchwords: **PATENTS** – portable battery box with built-in charger  
– whether the claims are fairly based, novel and  
inventive – some of the claims lack fair basis – all of the  
claims are novel – all of the claims lack an inventive  
step – costs awarded

Representation: Counsel for the applicant: Tom Cordiner  
Patent attorney for the applicant: Fisher Adams Kelly  
Callinans  
Counsel for the opponent: Chris Burgess  
Patent attorney for the opponent: IP Solved

**AUSTRALIAN OFFICIAL JOURNAL OF PATENTS (Supplement) 17 January 2019**  
**Abstract of Decision**

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***Bellator Pty Ltd* [2018] APO 93**

Innovation Patent: 2017101681

Title: A method of innovation

Patentee: Bellator Pty Ltd

Delegate: Dr W.E. Guinea

Decision Date: 21 December 2018

Hearing Date: Written submissions filed on multiple dates, due to be filed by 5 October 2018

Catchwords: **PATENTS** – innovation patent – Examiner objections – manner of manufacture – invention is for a business scheme involving allocation of certain consideration in return for providing innovation services – all claims lack a manner of manufacture – no patentable subject matter in patent – patent revoked

Representation: Patent attorney for the Patentee: Bellator Patent & Trade Mark Attorneys



AUSTRALIAN OFFICIAL JOURNAL OF PATENTS (Supplement) 17 January 2019  
Abstract of Decision

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

*Wyeth LLC* [2019] APO 1

Patent: 2015264861

Title: Sodium ibuprofen tablets and methods of manufacturing pharmaceutical compositions including sodium ibuprofen

Patentee: Wyeth LLC

Delegate: Dr S. J. Smith

Decision Date: 7 January 2019

Hearing Date: 7 November 2018, in Canberra

Catchwords: **PATENTS** – application for extension of term of patent –composition defined in part by maximum sodium content relative to ibuprofen – pharmaceutical substance *per se* identified – contained in the goods Advil Rapid Release – application for extension of term accepted

Representation: Patent attorney for the patentee: Linda Govenlock and Claire Gregg of Allens Patent & Trade Mark Attorneys

AUSTRALIAN OFFICIAL JOURNAL OF PATENTS (Supplement) 17 January 2019  
Abstract of Decision

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

*Cytec Industries Inc. v Nalco Company* [2019] APO 2

Patent Application: 2012220990

Title: Reducing aluminosilicate scale in the Bayer process

Patent Applicant: Nalco Company

Opponent: Cytec Industries Inc.

Delegate: K. Wagg

Decision Date: 8 January 2018

Hearing Date: 10 October 2018

Catchwords: **PATENTS** – lack of clear enough and complete enough disclosure established – lack of clarity established – lack of support established – priority date considered – lack of novelty established – lack of inventive step not established – opportunity to file further amendments – costs awarded against the Applicant.

Representation: Patent attorney for the applicant: Dr Gareth Dixon of Shelston IP  
Patent attorney for the opponent: Dr Linda Govenlock and Dr Claire Gregg of Allens-Linklaters.

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 1 Jan 2019 .

(71) A.C.N. 630 589 507 PTY LTD (21) 2018904918 (22) 21.12.2018 (54) Battery Recycling Process	(71) ASE Patents Pty Limited (21) 2018904880 (22) 21.12.2018 (54) Engine Assembly	(71) Baraja Pty Ltd (21) 2018904943 (22) 24.12.2018 (54) An optical beam director
(71) AgResearch Limited (21) 2018904926 (22) 24.12.2018 (54) BOVINE BLOOD EXTRACT	(71) ATF Services Pty Ltd (21) 2018904814 (22) 18.12.2018 (54) Post assembly for an edge protection system	(71) Bellator Pty Ltd (21) 2018904894 (22) 21.12.2018 (54) Eyewear
(71) Agriculture Victoria Services Pty Ltd (21) 2018904869 (22) 20.12.2018 (54) METHOD OF PROTEIN EXTRACTION FROM PLANT MATERIAL	(71) Ausmetec Pty Ltd (21) 2018904830 (22) 19.12.2018 (54) Apparatus and Process for Improved Ore Recovery	(71) Bhargav Auto Pty Ltd (21) 2018904832 (22) 19.12.2018 (54) System for powering an internal combustion engine of a vehicle
(71) Agriculture Victoria Services Pty Ltd (21) 2018904875 (22) 20.12.2018 (54) An artificial plant seed and uses thereof	(71) AUSTRALIAN ADJUVANTS PTY LTD (21) 2018904836 (22) 19.12.2018 (54) Composition for reducing water hardness and pH and enhancing the efficacy of agricultural chemicals	(71) Bionomics Limited (21) 2018904858 (22) 20.12.2018 (54) Method Of Reducing The Risk Of Cancer
(71) Alexander, G. (21) 2019900003 (22) 01.01.2019 (54) Germsafe Toilet Seat & Surface Sanitiser Spray with Germ-Tex Technology	(71) Australian Institute of Robotic Orthopaedics Pty Ltd (21) 2018904877 (22) 20.12.2018 (54) INTELLIGENT TISSUE CLASSIFIER FOR LASER ABLATION OF BONE AND SOFT TISSUE	(71) Bionomics Limited (21) 2018904860 (22) 20.12.2018 (54) Method of Treating or Reducing the Risk of Cancer
<b>Alfred Health see Monash University</b> (21) 2019900018	<b>Australian Nuclear Science and Technology Organisation see Lithium Australia NL</b> (21) 2018904919	(71) BLUEGREEN POWER TECHNOLOGIES PTY. LTD. (21) 2018904815 (22) 18.12.2018 (54) AN IMPROVED AIR TURBINE ARRANGEMENT & AN ELECTRIC VEHICLE DRIVE ARRANGEMENT USING SAID AIR TURBINE ARRANGEMENT
(71) APC Group Pty Ltd (21) 2018904816 (22) 18.12.2018 (54) Storage System	(71) Australian Pork Limited (21) 2018904911 (22) 21.12.2018 (54) Condensed water recovery and sterilisation	(71) Body Composition Technologies Pty Ltd (21) 2018904941 (22) 24.12.2018 (54) Analysing a Body
(71) ArcActive Limited (21) 2018904853 (22) 20.12.2018 (54) LEAD-ACID BATTERY	(71) Auvenco Pty Ltd (21) 2018904839 (22) 19.12.2018 (54) STRUCTURAL MEMBER AND BUILDING STRUCTURE	(71) Boomer Advanced Manufacturing Solutions Pty Ltd (21) 2018904897 (22) 21.12.2018 (54) RESIN FOR ADDITIVE MANUFACTURING

Provisional Applications Filed - Name Index cont'd

(71) BORAH, R.; NANN, T.; HUGHSON, F.  
(21) 2018904852 (22) 20.12.2018  
(54) Electrolyte compositions

**Brady, G. see Brady, G.**  
(21) 2018904952

(71) Brady, G.; Brady, G.  
(21) 2018904952 (22) 24.12.2018  
(54) A Scalable and Sustainable Cryptocurrency / Crypto-asset

(71) Brauer International Pty Ltd  
(21) 2018904912 (22) 21.12.2018  
(54) Improvements in Plasma Reactors

(71) Breville Pty Limited  
(21) 2018904825 (22) 19.12.2018  
(54) Improvements in immersion circulator cooking devices

(71) Breville Pty Limited  
(21) 2018904901 (22) 21.12.2018  
(54) Locking mechanism

(71) Breville Pty Limited  
(21) 2018904902 (22) 21.12.2018  
(54) Agitator

(71) Breville Pty Limited  
(21) 2018904903 (22) 21.12.2018  
(54) A handheld motorised food cutting device

(71) Breville Pty Limited  
(21) 2018904904 (22) 21.12.2018  
(54) A kitchen device

(71) Camm, A.  
(21) 2018904950 (22) 24.12.2018  
(54) METHOD OF PROJECT COORDINATION

(71) Caprioli, E.V.B.; Poppi, E.  
(21) 2018904935 (22) 24.12.2018  
(54) MULTIPURPOSE RETRACTABLE BAG

(71) Children's Medical Research Institute  
(21) 2018904851 (22) 20.12.2018  
(54) Methods, cells and constructs for adeno-associated virus production

(71) CiiLOCK Engineering Pty Ltd  
(21) 2018904867 (22) 20.12.2018  
(54) A Hardware Assembly

(71) Clean Powr Pty Ltd  
(21) 2019900015 (22) 03.01.2019  
(54) Modular Energy Apparatus

**Coleman, W. see Vowles, R.**  
(21) 2018904962

(71) Coma, A.  
(21) 2018904953 (22) 25.12.2018  
(54) Watch device spray cleanser

(71) Coma, A.  
(21) 2019900001 (22) 01.01.2019  
(54) Fly and Mosquito unit

(71) CSR Building Products Limited  
(21) 2018904819 (22) 18.12.2018  
(54) Panel Mounting System

(71) CSR Building Products Limited  
(21) 2018904891 (22) 21.12.2018  
(54) Building Formwork Component

(71) D2D CRC LTD.  
(21) 2018904826 (22) 19.12.2018  
(54) METHOD AND SYSTEM FOR DATA DIFFERENTIATION

(71) dahl, c.  
(21) 2019900004 (22) 01.01.2019  
(54) Method for attachment to clothing.

(71) dahl, c.  
(21) 2019900007 (22) 02.01.2019  
(54) System for attachment to clothing.

(71) Davison, R.D.  
(21) 2018904846 (22) 18.12.2018  
(54) Tool

(71) Deakin University  
(21) 2018904944 (22) 24.12.2018  
(54) Method for amplification of nucleic acids

(71) Divvy Parking Pty Ltd  
(21) 2018904906 (22) 21.12.2018  
(54) Automated Car Park System with Improved Licence Plate Recognition

(71) Dobson, B.; Preston, S.  
(21) 2019900021 (22) 04.01.2019  
(54) SIPHON BREAKING SYSTEM

(71) Dunne, W.  
(21) 2018904892 (22) 21.12.2018  
(54) IMPROVED POOL SCOOP

(71) ECONOMOU, G.  
(21) 2018904870 (22) 20.12.2018  
(54) LADDER ACCESSORY

(71) Eisermann, T.  
(21) 2019900008 (22) 02.01.2019  
(54) Shopet

(71) Electro Magnetic Measurements Pty Ltd  
(21) 2018904863 (22) 20.12.2018  
(54) METHOD FOR IMPROVING PERFORMANCE OF A SODAR SYSTEM

(71) Enriquez, K.  
(21) 2019900009 (22) 02.01.2019  
(54) Delivery method, system and computer program

(71) ENVIROCHAR PTY LTD  
(21) 2018904879 (22) 21.12.2018  
(54) APPARATUS AND SYSTEM FOR PROCESSING

(71) ENVIRONMENTAL SEPARATION TECHNOLOGIES PTY LTD  
(21) 2019900025 (22) 04.01.2019  
(54) A Protector for a Marine Vessel

(71) Equilateral Group Pty Ltd  
(21) 2018904889 (22) 21.12.2018  
(54) A hoist system and method

(71) E S Sales & Marketing Pty Ltd  
(21) 2018904868 (22) 20.12.2018  
(54) Fire resistant cladding material

(71) Eustralis Pharmaceuticals Limited  
(21) 2018904929 (22) 24.12.2018  
(54) Chemical Compounds and Processes

(71) Evans, R.  
(21) 2018904913 (22) 21.12.2018  
(54) System and method for providing access to a secure facility

(71) EZ-LEADS PTY LTD  
(21) 2018904932 (22) 24.12.2018  
(54) Computer implemented technologies configured to enable efficient processing of electronic referrals in a business network system

(71) EZ-LEADS PTY LTD  
(21) 2018904937 (22) 24.12.2018  
(54) Computer implemented technologies configured to share content between electronic devices

Provisional Applications Filed - Name Index cont'd

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(71) Falcon Decks Asia Pte Ltd  
 (21) 2018904899 (22) 21.12.2018  
 (54) Crane-based loading platform system

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(71) Flame Security International Pty Limited  
 (21) 2018904883 (22) 21.12.2018  
 (54) Flame retardant polyurethane

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(71) Gatward, T.  
 (21) 2018904954 (22) 26.12.2018  
 (54) Platform for automatic generation of graphic representations of student learning data

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(71) Genvis Pty Ltd  
 (21) 2018904822 (22) 18.12.2018  
 (54) Video Tracking System and Data Processing

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(71) Glass Outlet IP Pty Ltd  
 (21) 2018904857 (22) 20.12.2018  
 (54) AN ELECTRICALLY INSULATING COVER ASSEMBLY

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(71) Gomez, R.  
 (21) 2019900022 (22) 04.01.2019  
 (54) Further Additions to Advanced Storage of Electrons in the Storage of Hydrogen and Oxygen

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(71) Gram Engineering Pty Ltd  
 (21) 2019900012 (22) 03.01.2019  
 (54) Improvements relating to picket fences

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(71) Grand Metal Aluminium Pty Ltd  
 (21) 2018904878 (22) 21.12.2018  
 (54) An improved cladding panel

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(71) Griffiths Components Pty Ltd  
 (21) 2018904964 (22) 31.12.2018  
 (54) Improved interlock and interlock control system

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(71) Griffith University  
 (21) 2018904887 (22) 21.12.2018  
 (54) COMPOSITIONS, METHODS AND USES FOR ELICITING AN IMMUNE RESPONSE

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(71) GROWTH CAPITAL PTY LTD  
 (21) 2019900000 (22) 01.01.2019  
 (54) Network Traffic Statistics Store

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(71) Harris, C.  
 (21) 2019900014 (22) 03.01.2019  
 (54) Eyelet beach towel

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Heyward, J. see Owen, C.  
 (21) 2019900006

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(71) Higgins, C.  
 (21) 2018904843 (22) 16.12.2018  
 (54) Improved computer architecture supporting simpler and more secure blockchains together with methods and systems for developing efficient blockchain based business solutions

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(71) Higgins, C.  
 (21) 2018904922 (22) 22.12.2018  
 (54) Improved computer architecture supporting simpler and more secure blockchains together with methods and systems for developing efficient blockchain based business solutions

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(71) Hogan, M.P.  
 (21) 2018904847 (22) 18.12.2018  
 (54) IMPROVEMENTS TO LARGE HOUSEHOLD GARBAGE BINS

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HUGHSON, F. see BORAH, R.  
 (21) 2018904852

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(71) Hume, K.  
 (21) 2018904925 (22) 23.12.2018  
 (54) Bib and Brace - Neck and Cervical Spine Protector

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(71) Imtrade Australia Pty Ltd  
 (21) 2018904938 (22) 24.12.2018  
 (54) Ioxnyl formulation

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(71) Integrated Packaging Australia Pty Ltd  
 (21) 2018904896 (22) 21.12.2018  
 (54) IMPROVED SHRINK FILM

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(71) InterK Peptide Therapeutics Limited  
 (21) 2018904942 (22) 24.12.2018  
 (54) Inhibitors and Methods for Treating Drug Addiction

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(71) Invest Australia Pty Ltd  
 (21) 2018904959 (22) 28.12.2018  
 (54) Post-Surgical Support, Yul Support

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(71) Isologics Pty Ltd  
 (21) 2019900028 (22) 04.01.2019  
 (54) SYSTEM AND METHOD OF CONDENSATE MITIGATION AND MONITORING IN INSULATED CRYOGENIC INSTALLATIONS

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(71) Jiang, X.; Uluru, L.  
 (21) 2018904924 (22) 22.12.2018  
 (54) A systematic project for the comprehensive treatment of desertification soil

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and deserts with mechanical sand control, chemical sand control and plant sand control.

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(71) Joro Pty Ltd  
 (21) 2018904955 (22) 27.12.2018  
 (54) ILLUMINATION SYSTEM FOR STREET NAME SIGNS

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(71) Kiely, L.  
 (21) 2018904845 (22) 16.12.2018  
 (54) A multiple layered heavy duty mobile shelving system

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(71) Kiss Tech Pty Ltd  
 (21) 2018904939 (22) 24.12.2018  
 (54) An apparatus for handling loose material

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(71) larkin, b.  
 (21) 2019900024 (22) 04.01.2019  
 (54) Plastic Clogs With removable sole Exposing metal Grip Plates

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Lavery, W. see Soden, M.  
 (21) 2018904956

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(71) LeBlanc Pty Ltd  
 (21) 2018904824 (22) 19.12.2018  
 (54) Anti-tampering Arrangement and Associated Method of Use

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(71) Lebnan, D.  
 (21) 2018904885 (22) 21.12.2018  
 (54) An emergency lighting system

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(71) Leica Biosystems Melbourne Pty Ltd  
 (21) 2018904849 (22) 20.12.2018  
 (54) A SLIDE TRAY ASSEMBLY

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(71) Leica Biosystems Melbourne Pty Ltd  
 (21) 2018904850 (22) 20.12.2018  
 (54) A SLIDE OUTPUT MODULE

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(71) Leica Biosystems Melbourne Pty Ltd  
 (21) 2018904862 (22) 20.12.2018  
 (54) Method and System for Generating a Schedule of Activities for an Automated Laboratory System

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(71) Leica Biosystems Melbourne Pty Ltd  
 (21) 2018904865 (22) 20.12.2018  
 (54) BULK FLUID WASH MODULE

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(71) Level35 Pty Ltd  
 (21) 2018904945 (22) 24.12.2018  
 (54) System and method for using natural language processing in data analytics

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Provisional Applications Filed - Name Index cont'd

<p>(71) Lithium Australia NL; Australian Nuclear Science and Technology Organisation (21) 2018904919 (22) 21.12.2018 (54) Process for recovering lithium phosphate and lithium sulfate from lithium-bearing silicates</p>	<p>(71) Memwa Pty Ltd (21) 2019900026 (22) 04.01.2019 (54) Livestock Transportation System</p>	<p>(71) Nucleotrace Pty. Ltd. (21) 2018904900 (22) 21.12.2018 (54) Systems and methods for identifying a products identity</p>
<p>(71) Lord, I. (21) 2018904861 (22) 20.12.2018 (54) Foldable Shelter</p>	<p>(71) M Johnson Building Pty Ltd (21) 2018904947 (22) 24.12.2018 (54) Construction of a building using precast panels</p>	<p>(71) Nuheara IP Pty Ltd (21) 2019900027 (22) 04.01.2019 (54) AN AUDIO ACCESSORY</p>
<p>(71) Loxton, B. (21) 2018904844 (22) 16.12.2018 (54) LPG Tank level Monitoring and Notification System</p>	<p>(71) Monash Institute of Medical Engineering (21) 2019900016 (22) 03.01.2019 (54) METHOD AND SYSTEM FOR ASSESSING THE STATE OF HEALING OF A FRACTURED LONG BONE</p>	<p>(71) OK Innovations Pty Ltd (21) 2018904834 (22) 19.12.2018 (54) Apparatus for washing animals</p>
<p>(71) Lyndon, H. (21) 2018904957 (22) 27.12.2018 (54) Improved computer architecture supporting simpler and more secure blockchains together with methods and systems for developing efficient blockchain based business solutions.</p>	<p>(71) Monash University; Murdoch Childrens Research Institute (21) 2018904831 (22) 19.12.2018 (54) Assay for screening drugs</p>	<p>(71) Ovula Pty Ltd (21) 2018904930 (22) 24.12.2018 (54) Method for improved ovulation outcome for assisted reproductive therapy</p>
<p>(71) Mainset Pty Ltd (21) 2018904841 (22) 19.12.2018 (54) PLUMBING FITTING</p>	<p>(71) Monash University (21) 2018904872 (22) 20.12.2018 (54) Novel activity-based probes and their use</p>	<p>(71) Owen, C.; Heyward, J. (21) 2019900006 (22) 02.01.2019 (54) Floorplan Laser System</p>
<p>(71) MALCORP BIODISCOVERIES LIMITED (21) 2018904828 (22) 19.12.2018 (54) METHODS OF TREATING SKIN CONDITIONS</p>	<p>(71) Monash University (21) 2018904873 (22) 20.12.2018 (54) Novel activity-based probes for neutrophil elastase and their use</p>	<p>(71) OzXcorp Pty Ltd (21) 2018904915 (22) 21.12.2018 (54) ANTILOCK BRAKING SYSTEM FOR A TOWED VEHICLE</p>
<p>(71) Matthews, N. (21) 2018904965 (22) 24.12.2018 (54) Marine Craft; 3 12 2018</p>	<p><b>Monash University see The University of Melbourne</b> (21) 2018904917</p>	<p>(71) Pagden, K. (21) 2018904842 (22) 19.12.2018 (54) A modular Solar/Adiabatic Ultra Efficient Cooling and Passive Ventilation system for Chicken Housing.</p>
<p>(71) Matthews, N. (21) 2018904966 (22) 24.12.2018 (54) Motor Vehicles (Final Prov.)</p>	<p>(71) Monash University; Alfred Health (21) 2019900018 (22) 03.01.2019 (54) METHOD AND SYSTEM FOR ASSESSING THE STATE OF HEALING OF A FRACTURED LONG BONE</p>	<p>(71) Patterson, L. (21) 2018904928 (22) 24.12.2018 (54) Hamilton Feeder</p>
<p>(71) Matthews, N. (21) 2018904967 (22) 24.12.2018 (54) Variable Surface &amp; Shapes, Material.</p>	<p>(71) Mulga Holdings Pty Limited (21) 2018904829 (22) 19.12.2018 (54) COLLAPSIBLE BOTTLE</p>	<p>(71) Pavey, D. (21) 2019900011 (22) 03.01.2019 (54) Mobile Application designed to boost safety, communication and productivity for all members of the construction industry.</p>
<p>(71) Matthews, N. (21) 2018904968 (22) 24.12.2018 (54) Basketball, Including the 3x3 Game and Netball.</p>	<p><b>Murdoch Childrens Research Institute see Monash University</b> (21) 2018904831</p>	<p>(71) Pelleton Global Renewables Ltd. (21) 2018904876 (22) 20.12.2018 (54) Pellet Processing Drum</p>
<p>(71) McNally, A. (21) 2019900005 (22) 02.01.2019 (54) Fixed Line Ocean Wave Energy Converter</p>	<p>(71) Murphy, N. (21) 2018904936 (22) 24.12.2018 (54) Method for screening IVF embryos</p>	<p>(71) Philia Labs Pty Ltd (21) 2018904934 (22) 24.12.2018 (54) APPARATUS AND METHOD FOR MEASURING PHYSIOLOGICAL DATA</p>
<p>(71) NewSouth Innovations Pty Ltd (21) 2018904840 (22) 19.12.2018 (54) A light emitting device</p>	<p><b>NANN, T. see BORAH, R.</b> (21) 2018904852</p>	<p>(71) PhosEnergy Ltd (21) 2018904898 (22) 21.12.2018 (54) METHODS AND PRODUCTS FOR CONVERTING CARBON DIOXIDE TO</p>

Provisional Applications Filed - Name Index cont'd

ONE OR MORE SMALL ORGANIC COMPOUNDS

**Poppi, E. see Caprioli, E.V.B.**  
(21) 2018904935

**Preston, S. see Dobson, B.**  
(21) 2019900021

(71) Quintal, E.  
(21) 2019900002 (22) 01.01.2019  
(54) Fake tan application gloves. They are made from the same rubber as dish-washing gloves but with the cotton lining usually found on the inside also featured on the outside. This material creates an easy application that does not cause streaking when applied and the gloves can be regularly washed/reused long term. These gloves will come in different sizes and will be a dark colour to disguise the tan colouring after use.

(71) Railsback, T.  
(21) 2018904931 (22) 24.12.2018  
(54) IMPROVED COOLING APPARATUS

(71) Red Dirt International Pty Ltd; Sanders, P.  
(21) 2019900010 (22) 02.01.2019  
(54) Inner chill pocket/ pouch in long sleeve work shirt on left and right sleeves on the inner wrist.

(71) Red Tiger (UK) Ltd  
(21) 2018904923 (22) 22.12.2018  
(54) HARDWARE ACCELERATED THREAD PROVISIONING FOR MULTI-CORE ARCHITECTURES

(71) Reserve Bank of Australia  
(21) 2018904933 (22) 24.12.2018  
(54) WASHING POWDER FOR BANKNOTE DURABILITY TESTING

(71) RESMED LIMITED  
(21) 2018904886 (22) 21.12.2018  
(54) Textile seal forming structure

(71) Rodriguez, B.  
(21) 2019900019 (22) 03.01.2019  
(54) The Clover - Dressing Apron, is a garment that offers a way to change out of wet clothing in a discrete and easy to use way while drying the body and offering a fashion-forward design that can be worn and enjoyed by both children and adults alike.

(71) Royal Melbourne Institute of Technology  
(21) 2018904940 (22) 24.12.2018  
(54) Metal Structures

(71) Ruttle, M.  
(21) 2018904848 (22) 20.12.2018  
(54) JOINT FOR AN ELECTRICAL UTILITY PEDESTAL

**Sanders, P. see Red Dirt International Pty Ltd**  
(21) 2019900010

(71) Sandoz, D.  
(21) 2019900017 (22) 03.01.2019  
(54) An Apparatus for Cutting A Food Article

(71) Schneider Electric (Australia) Pty Limited  
(21) 2018904907 (22) 21.12.2018  
(54) IMPROVEMENTS IN CIRCUIT IDENTIFICATION ON WALL MOUNTED ELECTRICAL OUTLETS AND SWITCH PLATES

(71) Schneider Electric (Australia) Pty Limited  
(21) 2018904908 (22) 21.12.2018  
(54) IMPROVEMENTS IN CIRCUIT IDENTIFICATION ON WALL MOUNTED ELECTRICAL OUTLETS AND SWITCH PLATES

(71) Schneider Electric (Australia) Pty Limited  
(21) 2018904909 (22) 21.12.2018  
(54) IMPROVEMENTS IN WALL MOUNTED ELECTRICAL OUTLETS AND SWITCH PLATES

(71) Schneider Electric (Australia) Pty Limited  
(21) 2018904910 (22) 21.12.2018  
(54) IMPROVEMENTS IN SWITCHED ELECTRICAL OUTLETS AND SWITCH PLATES

(71) SensAbility Pty Ltd  
(21) 2018904895 (22) 21.12.2018  
(54) A DEVICE FOR CONTROLLING A PROCESS OF MAKING A BEVERAGE AND A METHOD AND AN APPARATUS FOR MAKING A BEVERAGE

**Seymour, L. see Seymour, C.**  
(21) 2018904817

(71) Seymour, C.; Seymour, L.  
(21) 2018904817 (22) 18.12.2018  
(54) Artificial botanical elements

(71) ShadePower Group Pty Ltd  
(21) 2018904823 (22) 18.12.2018  
(54) LED STRIP LIGHTING COVER

(71) Sheather, P.  
(21) 2018904958 (22) 28.12.2018  
(54) A system for electronic document generation using bidirectional electronic communications between computing devices across a wide area network

(71) Silvercrete Group Pty Ltd  
(21) 2018904927 (22) 24.12.2018  
(54) MASONRY STRUCTURE

(71) Small, D.  
(21) 2018904813 (22) 18.12.2018  
(54) Safety detection system

(71) Smart, M.  
(21) 2018904914 (22) 21.12.2018  
(54) INFANT FORMULA DISPENSER AND SYSTEM

(71) Smart Bunks IP Pty Ltd  
(21) 2018904871 (22) 20.12.2018  
(54) A modular bunk

(71) Soden, M.; Lavery, W.  
(21) 2018904956 (22) 27.12.2018  
(54) JEWELLERY KEEPER

(71) Spark, I.  
(21) 2018904961 (22) 29.12.2018  
(54) Improved Articulated Vehicle

(71) Spa Tech International Pty Ltd  
(21) 2018904854 (22) 19.12.2018  
(54) Safe Spa Pool or Swim Spa

(71) Spa Tech International Pty Ltd  
(21) 2018904855 (22) 19.12.2018  
(54) Efficient Water Circulation System for Spa or Swim Spa

(71) Spray Nozzle Engineering Pty Ltd  
(21) 2018904960 (22) 28.12.2018  
(54) A Spray Nozzle

(71) Squire, T.  
(21) 2018904888 (22) 21.12.2018  
(54) Improved Pet Leash

(71) Stacey, k.  
(21) 2018904827 (22) 19.12.2018  
(54) Rock bolt and method of stabilising excavations

Provisional Applications Filed - Name Index cont'd

(71) Starpan Pty Ltd (21) 2019900020 (22) 04.01.2019 (54) EGG CRACKER	(71) THE FLYING SQUID BROTHERS PTY. LIMITED (21) 2018904837 (22) 19.12.2018 (54) DEVICE FOR EXTRACTING A LIQUID CONTAINED IN A CARTRIDGE OR CAPSULE, AND CARTRIDGE OR CAPSULE FOR THE DEVICE	(71) Vernx Biotechnology Pty Ltd (21) 2018904835 (22) 19.12.2018 (54) FATTY ACID COMPOSITIONS AND THE USE THEREOF
(71) Start Smart Investment Pty Ltd (21) 2018904820 (22) 18.12.2018 (54) Scaffolding mesh system	(71) The University of Melbourne; Monash University (21) 2018904917 (22) 21.12.2018 (54) CZTSe precursor inks and methods for preparing CZTS/Se thin films and CZTS/Se-based devices	(71) Vowles, R.; Coleman, W. (21) 2018904962 (22) 30.12.2018 (54) Image Indexing and Retrieval System
(71) Stevens, A. (21) 2018904890 (22) 21.12.2018 (54) Waterproof bed sheet	(71) The University of Sydney (21) 2018904856 (22) 20.12.2018 (54) A device for determining a concentration of a carbonyl containing compound	(71) Vucic, P. (21) 2018904838 (22) 19.12.2018 (54) SYSTEM FOR PROVIDING VERIFIABLE AND SECURE VEHICLE INFORMATION
(71) Stevens, T. (21) 2018904949 (22) 24.12.2018 (54) IMPROVED SAMPLER SYSTEM AND METHOD	(71) The Walter and Eliza Hall Institute of Medical Research (21) 2018904884 (22) 21.12.2018 (54) METHODS OF TREATING INFLAMMATION	(71) WaterGasRenew Pty Ltd (21) 2018904859 (22) 20.12.2018 (54) GAS MONITORING SYSTEM AND APPARATUS
(71) Stevenson, R. (21) 2018904905 (22) 21.12.2018 (54) COMPOSITION AND METHOD FOR TREATMENT OF EQUINE EXERCISE-INDUCTED PULMONARY HAEMORRHAGE	Thorburn, R. see Thorburn, C. (21) 2018904921	(71) Williams, B. (21) 2018904874 (22) 20.12.2018 (54) Personal Transport Vehicle
(71) Stoneleigh Pastoral Pty Ltd (21) 2018904821 (22) 18.12.2018 (54) SYSTEM AND METHOD FOR CONTROLLING ANIMALS	(71) Thorburn, C.; Thorburn, R. (21) 2018904921 (22) 21.12.2018 (54) DANGER ALERT DEVICE FOR VEHICLES AND METHODS OF USE	(71) Williams, A. (21) 2018904948 (22) 24.12.2018 (54) Necktie Knot
(71) Stramit Corporation Pty Limited (21) 2018904893 (22) 21.12.2018 (54) GUTTER	(71) Titan Ag Pty Ltd (21) 2018904866 (22) 20.12.2018 (54) AGRICULTURAL CHEMICAL COMPOSITION	(71) WorldWeb Group Pty Limited (21) 2018904946 (22) 24.12.2018 (54) Method and system for a multi-member cryptographic wallet
(71) STS Operations Limited (21) 2018904951 (22) 24.12.2018 (54) A SYSTEM, METHOD, COMPUTER PROGRAM AND DATA SIGNAL FOR AUTOMATING THE TRADING OF A TRADEABLE INSTRUMENT IN AN ELECTRONIC MARKETPLACE	(71) Transmarine Holdings Pty Ltd (21) 2019900013 (22) 03.01.2019 (54) Marine Vessel for and an Associated Method of Transferring Goods and Personnel in Open Sea	(71) Wulff, R. (21) 2018904920 (22) 21.12.2018 (54) Improved Connector
TAHERI, O. see TELFER, S. (21) 2018904882	Uluru, L. see Jiang, X. (21) 2018904924	(71) XEFCO PTY LTD (21) 2018904864 (22) 20.12.2018 (54) Insulated Radiant Barriers in Apparel
(71) Technological Resources Pty. Limited (21) 2018904818 (22) 18.12.2018 (54) AUTOMATED UPDATING OF GEOLOGICAL MODEL BOUNDARIES FOR IMPROVED ORE EXTRACTION	(71) University of Technology Sydney (21) 2018904833 (22) 19.12.2018 (54) POROUS MATERIALS COMPRISING METAL OXIDES AND THE USE THEREOF	(71) Zanette & Sons Pty Ltd (21) 2018904963 (22) 31.12.2018 (54) Method And Apparatus For Dispensing A Beverage In Chilled Condition
(71) TELFER, S.; TAHERI, O. (21) 2018904882 (22) 21.12.2018 (54) Metal-organic frameworks for gas adsorption	(71) University of the Sunshine Coast (21) 2018904916 (22) 21.12.2018 (54) Method	



Numerical Index

2018904813	Small, D.	2018904880	ASE Patents Pty Limited
2018904814	ATF Services Pty Ltd	2018904881	ARCACTIVE LIMITED
2018904815	BLUEGREEN POWER TECHNOLOGIES PTY. LTD.	2018904882	TELFER, S.; TAHERI, O.
2018904816	APC Group Pty Ltd	2018904883	Flame Security International Pty Limited
2018904817	Seymour, C.; Seymour, L.	2018904884	The Walter and Eliza Hall Institute of Medical Research
2018904818	Technological Resources Pty. Limited	2018904885	Lebnan, D.
2018904819	CSR Building Products Limited	2018904886	RESMED LIMITED
2018904820	Start Smart Investment Pty Ltd	2018904887	Griffith University
2018904821	Stoneleigh Pastoral Pty Ltd	2018904888	Squire, T.
2018904822	Genvis Pty Ltd	2018904889	Equilateral Group Pty Ltd
2018904823	ShadePower Group Pty Ltd	2018904890	Stevens, A.
2018904824	LeBlanc Pty Ltd	2018904891	CSR Building Products Limited
2018904825	Breville Pty Limited	2018904892	Dunne, W.
2018904826	D2D CRC LTD.	2018904893	Stramit Corporation Pty Limited
2018904827	Stacey, k.	2018904894	Bellator Pty Ltd
2018904828	MALCORP BIODISCOVERIES LIMITED	2018904895	SensAbility Pty Ltd
2018904829	Mulga Holdings Pty Limited	2018904896	Integrated Packaging Australia Pty Ltd
2018904830	Ausmetec Pty Ltd	2018904897	Boomer Advanced Manufacturing Solutions Pty Ltd
2018904831	Monash University; Murdoch Childrens Research Institute	2018904898	PhosEnergy Ltd
2018904832	Bhargav Auto Pty Ltd	2018904899	Falcon Decks Asia Pte Ltd
2018904833	University of Technology Sydney	2018904900	Nucleotrace Pty. Ltd.
2018904834	OK Innovations Pty Ltd	2018904901	Breville Pty Limited
2018904835	Vernx Biotechnology Pty Ltd	2018904902	Breville Pty Limited
2018904836	AUSTRALIAN ADJUVANTS PTY LTD	2018904903	Breville Pty Limited
2018904837	THE FLYING SQUID BROTHERS PTY. LIMITED	2018904904	Breville Pty Limited
2018904838	Vucic, P.	2018904905	Stevenson, R.
2018904839	Auvenco Pty Ltd	2018904906	Divvy Parking Pty Ltd
2018904840	NewSouth Innovations Pty Ltd	2018904907	Schneider Electric (Australia) Pty Limited
2018904841	Mainset Pty Ltd	2018904908	Schneider Electric (Australia) Pty Limited
2018904842	Pagden, K.	2018904909	Schneider Electric (Australia) Pty Limited
2018904843	Higgins, C.	2018904910	Schneider Electric (Australia) Pty Limited
2018904844	Loxton, B.	2018904911	Australian Pork Limited
2018904845	Kiely, L.	2018904912	Brauer International Pty Ltd
2018904846	Davison, R.D.	2018904913	Evans, R.
2018904847	Hogan, M.P.	2018904914	Smart, M.
2018904848	Ruttle, M.	2018904915	OzXcorp Pty Ltd
2018904849	Leica Biosystems Melbourne Pty Ltd	2018904916	University of the Sunshine Coast
2018904850	Leica Biosystems Melbourne Pty Ltd	2018904917	The University of Melbourne; Monash University
2018904851	Children's Medical Research Institute	2018904918	A.C.N. 630 589 507 PTY LTD
2018904852	BORAH, R.; NANN, T.; HUGHSON, F.	2018904919	Lithium Australia NL; Australian Nuclear Science and Technology Organisation
2018904853	ArcActive Limited	2018904920	Wulff, R.
2018904854	Spa Tech International Pty Ltd	2018904921	Thorburn, C.; Thorburn, R.
2018904855	Spa Tech International Pty Ltd	2018904922	Higgins, C.
2018904856	The University of Sydney	2018904923	Red Tiger (UK) Ltd
2018904857	Glass Outlet IP Pty Ltd	2018904924	Jiang, X.; Uluru, L.
2018904858	Bionomics Limited	2018904925	Hume, K.
2018904859	WaterGasRenew Pty Ltd	2018904926	AgResearch Limited
2018904860	Bionomics Limited	2018904927	Silvercrete Group Pty Ltd
2018904861	Lord, I.	2018904928	Patterson, L.
2018904862	Leica Biosystems Melbourne Pty Ltd	2018904929	Eustralis Pharmaceuticals Limited
2018904863	Electro Magnetic Measurements Pty Ltd	2018904930	Ovula Pty Ltd
2018904864	XEFCO PTY LTD	2018904931	Railsback, T.
2018904865	Leica Biosystems Melbourne Pty Ltd	2018904932	EZ-LEADS PTY LTD
2018904866	Titan Ag Pty Ltd	2018904933	Reserve Bank of Australia
2018904867	CiiLOCK Engineering Pty Ltd	2018904934	Philia Labs Pty Ltd
2018904868	E S Sales & Marketing Pty Ltd	2018904935	Caprioli, E.V.B.; Poppi, E.
2018904869	Agriculture Victoria Services Pty Ltd	2018904936	Murphy, N.
2018904870	ECONOMOU, G.	2018904937	EZ-LEADS PTY LTD
2018904871	Smart Bunks IP Pty Ltd	2018904938	Imtrade Australia Pty Ltd
2018904872	Monash University	2018904939	Kiss Tech Pty Ltd
2018904873	Monash University	2018904940	Royal Melbourne Institute of Technology
2018904874	Williams, B.	2018904941	Body Composition Technologies Pty Ltd
2018904875	Agriculture Victoria Services Pty Ltd	2018904942	InterK Peptide Therapeutics Limited
2018904876	Pelleton Global Renewables Ltd.	2018904943	Baraja Pty Ltd
2018904877	Australian Institute of Robotic Orthopaedics Pty Ltd	2018904944	Deakin University
2018904878	Grand Metal Aluminium Pty Ltd	2018904945	Level35 Pty Ltd
2018904879	ENVIROCHAR PTY LTD	2018904946	WorldWeb Group Pty Limited

## Provisional Applications Filed - Numerical Index cont'd

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2018904948 Williams, A.  
2018904949 Stevens, T.  
2018904950 Camm, A.  
2018904951 STS Operations Limited  
2018904952 Brady, G.; Brady, G.  
2018904953 Coma, A.  
2018904954 Gatward, T.  
2018904955 Joro Pty Ltd  
2018904956 Soden, M.; Lavery, W.  
2018904957 Lyndon, H.  
2018904958 Sheather, P.  
2018904959 Invest Australia Pty Ltd  
2018904960 Spray Nozzle Engineering Pty Ltd  
2018904961 Spark, I.  
2018904962 Vowles, R.; Coleman, W.  
2018904963 Zanette & Sons Pty Ltd  
2018904964 Griffiths Components Pty Ltd  
2018904965 Matthews, N.  
2018904966 Matthews, N.  
2018904967 Matthews, N.  
2018904968 Matthews, N.  
2019900000 GROWTH CAPITAL PTY LTD  
2019900001 Coma, A.  
2019900002 Quintal, E.  
2019900003 Alexander, G.  
2019900004 dahl, c.  
2019900005 Mcnally, A.  
2019900006 Owen, C.; Heyward, J.  
2019900007 dahl, c.  
2019900008 Eisermann, T.  
2019900009 Enriquez, K.  
2019900010 Red Dirt International Pty Ltd; Sanders, P.  
2019900011 Pavey, D.  
2019900012 Gram Engineering Pty Ltd  
2019900013 Transmarine Holdings Pty Ltd  
2019900014 Harris, C.  
2019900015 Clean Powr Pty Ltd  
2019900016 Monash Institute of Medical Engineering  
2019900017 Sandoz, D.  
2019900018 Monash University; Alfred Health  
2019900019 Rodriguez, B.  
2019900020 Starpan Pty Ltd  
2019900021 Dobson, B.; Preston, S.  
2019900022 Gomez, R.  
2019900024 Iarkin, b.  
2019900025 ENVIRONMENTAL SEPARATION TECHNOLOGIES  
PTY LTD  
2019900026 Memwa Pty Ltd  
2019900027 Nuheara IP Pty Ltd  
2019900028 Isologics Pty Ltd

**Complete Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 1 Jan 2019 .

. (\*) Title not in Roman characters

. (\*\*) Title not given

<hr/> <p>(71) 3M Innovative Properties Company (21) 2018282486 (22) 21.12.2018 (54) Systems and methods for generating random numbers using physical variations present in material samples (62) 2015383073</p> <hr/> <p>(71) ABB Schweiz AG (21) 2018286627 (22) 31.12.2018 (54) Method for detecting earth-fault conditions in a power conversion apparatus (31) 18150887.0 (32) 09.01.18 (33) EP</p> <hr/> <p>(71) AbbVie Stemcentrx LLC (21) 2018282328 (22) 19.12.2018 (54) DLL3 modulators and methods of use (62) 2016244333</p> <hr/> <p>(71) Acceleron Pharma Inc. (21) 2018282452 (22) 21.12.2018 (54) Activin-ActRII antagonists and uses for increasing red blood cell levels (62) 2016250354</p> <hr/> <p>(71) Accenture Global Solutions Limited (21) 2018282284 (22) 18.12.2018 (54) VIDEO-INTEGRATED USER INTERFACES (62) 2017208216</p> <hr/> <p>(71) Accenture Global Solutions Limited (21) 2018282289 (22) 18.12.2018 (54) CAPABILITY ASSESSMENT TOOL (62) 2017202888</p> <hr/> <p>(71) Accenture Global Solutions Limited (21) 2018282473 (22) 21.12.2018 (54) DECENTRALIZED SUPPLY CHAIN FOR THREE-DIMENSIONAL PRINTING BASED ON DISTRIBUTED LEDGER TECHNOLOGY (31) 15/917,500 (32) 09.03.18 (33) US</p> <hr/> <p>(71) Accenture Global Solutions Limited (21) 2019200046 (22) 04.01.2019 (54) UTILIZING ARTIFICIAL INTELLIGENCE TO TEST CLOUD APPLICATIONS (31) 15/864,610 (32) 08.01.18 (33) US</p> <hr/>	<p><b>Acclarent, Inc. see Biosense Webster (Israel) Ltd.</b> (21) 2018286598</p> <hr/> <p>(71) Afton Chemical Corporation (21) 2018286578 (22) 25.12.2018 (54) FUEL ADITIVE MIXTURES AND FUELS CONTAINING THEM (31) 15/855,011 (32) 27.12.17 (33) US</p> <hr/> <p>(71) Ainsworth Game Technology Limited (21) 2018282306 (22) 19.12.2018 (54) A gaming machine and method with token based jackpot award (31) 15/847,333 (32) 19.12.17 (33) US</p> <hr/> <p>(71) Akzo Nobel Chemicals International B.V. (21) 2018282339 (22) 19.12.2018 (54) Concentrated suspension of agrochemicals in high electrolyte aqueous medium (62) 2014375233</p> <hr/> <p><b>Akzo Nobel Chemicals International B.V. see Dow AgroSciences LLC</b> (21) 2018282351</p> <hr/> <p>(71) Alstom Transport Technologies (21) 2018282271 (22) 18.12.2018 (54) Reinitialization method of a zone controller and associated automatic train control system (31) 17 62959 (32) 22.12.17 (33) FR</p> <hr/> <p>(71) AMIP (21) 2018286568 (22) 24.12.2018 (54) Buffered upper GI absorption promoter (62) 2016277587</p> <hr/> <p>(71) Angel Playing Cards Co., Ltd. (21) 2018282261 (22) 17.12.2018 (54) FRAUD DETECTION SYSTEM IN CASINO (62) 2016210614</p> <hr/> <p>(71) Angel Playing Cards Co., Ltd. (21) 2018282262 (22) 17.12.2018 (54) FRAUD DETECTION SYSTEM IN CASINO (62) 2016210614</p> <hr/>	<p>(71) Angel Playing Cards Co., Ltd. (21) 2018282263 (22) 17.12.2018 (54) FRAUD DETECTION SYSTEM IN CASINO (62) 2016210614</p> <hr/> <p>(71) ANIMAL DENTAL CHART INC. (21) 2018282326 (22) 19.12.2018 (54) System and methods for animal dental charting (31) 62/627,471 (32) 07.02.18 (33) US</p> <hr/> <p>(71) Apple Inc. (21) 2018282384 (22) 20.12.2018 (54) Intelligent task discovery (62) 2017203668</p> <hr/> <p>(71) Apple Inc. (21) 2018282404 (22) 20.12.2018 (54) Touch-sensitive button with two levels (62) 2016203222</p> <hr/> <p>(71) Apple Inc. (21) 2018282409 (22) 20.12.2018 (54) Devices, methods, and graphical user interfaces for manipulating user interface objects with visual and/or haptic feedback (62) 2016203040</p> <hr/> <p>(71) Applied Explosives Technology Pty Limited (21) 2018282259 (22) 17.12.2018 (54) Further Improved Flexible Linear Charge System</p> <hr/> <p>(71) Arcadyan Technology Corporation (21) 2018282312 (22) 19.12.2018 (54) Network Device and WPS Connection Method Thereof (31) 106146612 (32) 29.12.17 (33) TW</p> <hr/> <p>(71) ARCADYAN TECHNOLOGY CORPORATION (21) 2018286564 (22) 24.12.2018 (54) NETWORK PATH SELECTION METHOD AND NETWORK NODE DEVICE USING THE SAME (31) 107100395 (32) 01.04.18 (33) TW</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2018282303 (22) 18.12.2018</p>
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Complete Applications Filed - Name Index cont'd

(54) Gaming Machine with two-stage Feature Determination  
(62) 2017208248

(71) Aristocrat Technologies Australia Pty Limited  
(21) 2018282331 (22) 19.12.2018  
(54) A GAMING SYSTEM AND A METHOD OF GAMING  
(62) 2016266024

(71) Aristocrat Technologies Australia Pty Limited  
(21) 2018282355 (22) 19.12.2018  
(54) A METHOD OF GAMING AND A GAMING SYSTEM  
(62) 2017202366

(71) Aristocrat Technologies Australia Pty Limited  
(21) 2018282383 (22) 20.12.2018  
(54) A GAMING SYSTEM AND A METHOD OF GAMING  
(62) 2017204343

(71) Aristocrat Technologies Australia Pty Limited  
(21) 2018282394 (22) 20.12.2018  
(54) A METHOD OF PLAYER TRACKING  
(62) 2017201976

(71) Aristocrat Technologies Australia Pty Limited  
(21) 2018282482 (22) 21.12.2018  
(54) Gaming machine with adjustable return to player  
(62) 2017204200

(71) Aristocrat Technologies Australia Pty Limited  
(21) 2018282494 (22) 21.12.2018  
(54) A GAMING SYSTEM AND METHOD OF GAMING  
(62) 2017200084

(71) Asahi Kasei Kabushiki Kaisha  
(21) 2018282439 (22) 21.12.2018  
(54) Bipolar alkaline water electrolysis unit and electrolytic cell  
(62) 2016266062

(71) Astellas Institute for Regenerative Medicine  
(21) 2018282333 (22) 19.12.2018  
(54) Improved modalities for the treatment of degenerative diseases of the retina  
(62) 2017200473

(71) Atea Pharmaceuticals, Inc.  
(21) 2018282469 (22) 21.12.2018

(54) Beta-D-2'-deoxy-2'-alpha-fluoro-2'-beta-C-substituted-2'-modified-N6-substituted purine nucleotides for HCV treatment  
(62) 2016229966

(71) Aurora Flight Sciences Corporation  
(21) 2018282490 (22) 21.12.2018  
(54) Ground manipulation system and method for fixing an aircraft  
(31) 15/856,301 (32) 28.12.17 (33) US

(71) Aurora Flight Sciences Corporation  
(21) 2019200044 (22) 04.01.2019  
(54) Collision avoidance system and method for unmanned aircraft  
(31) 15/863,529 (32) 05.01.18 (33) US

(71) BASF Plant Science Company GmbH  
(21) 2018282290 (22) 18.12.2018  
(54) Novel fatty acid desaturases and elongases and uses thereof  
(62) 2016273845

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(21) 2018282432

(71) BAYER CROPSCIENCE AG  
(21) 2018282370 (22) 20.12.2018  
(54) Heterocyclic compounds as pesticides  
(62) 2017204262

(71) Baylor College of Medicine  
(21) 2018286563 (22) 24.12.2018  
(54) IDENTIFICATION OF A NEW POLYPEPTIDE HORMONE FOR MAINTENANCE OF OPTIMAL BODY WEIGHT AND BLOOD GLUCOSE  
(62) 2014357521

(71) Becton, Dickinson and Company  
(21) 2018286611 (22) 28.12.2018  
(54) Antimicrobial obturator for use with vascular access devices  
(62) 2015250123

(71) BEDFORD INDUSTRIES, INC.  
(21) 2018286562 (22) 24.12.2018  
(54) HANG TAB AND PRODUCT TAG ASSEMBLY, AND METHOD OF USE  
(62) 2016228273

(71) Behr Process Corporation  
(21) 2018282497 (22) 24.12.2018  
(54) Fast dry stain formula  
(31) 15/858,082 (32) 29.12.17 (33) US

(71) Bell, W.  
(21) 2018282405 (22) 20.12.2018  
(54) Industrial apparatus  
(31) 1817965.5 (32) 02.11.18 (33) GB  
1820169.9 11.12.18 GB

(71) Belle-Aire Fragrances, Inc.  
(21) 2018282365 (22) 20.12.2018  
(54) Oral Odor Control Method and Product  
(62) 2017200781

(71) BEMIS MANUFACTURING COMPANY  
(21) 2018282361 (22) 20.12.2018  
(54) Child toilet seat assembly  
(31) 62/609,673 (32) 22.12.17 (33) US

(71) BGC Partners, Inc.  
(21) 2018282391 (22) 20.12.2018  
(54) SYSTEMS AND METHODS FOR PROVIDING NON-FULLY-TRANSPARENT MARKETS  
(62) 2017202813

(71) Biosense Webster (Israel) Ltd.  
(21) 2018282479 (22) 21.12.2018  
(54) Tracking a rigid tool in a patient body  
(31) 15/859,969 (32) 02.01.18 (33) US

(71) Biosense Webster (Israel) Ltd.; Acclarent, Inc.  
(21) 2018286598 (22) 27.12.2018  
(54) Use of augmented reality to assist navigation during medical procedures  
(31) 62/610,449 (32) 26.12.17 (33) US  
16/229,629 21.12.18 US

(71) Biosense Webster (Israel) Ltd.  
(21) 2018286618 (22) 31.12.2018  
(54) Mapping of intra-body cavity using a distributed ultrasound array on basket catheter  
(31) 15/866,784 (32) 10.01.18 (33) US

(71) Biosense Webster (Israel) Ltd.  
(21) 2018286619 (22) 31.12.2018  
(54) Position-controlled thermocouple  
(31) 15/867,457 (32) 10.01.18 (33) US

(71) Biotie Therapies, Inc.  
(21) 2018286608 (22) 28.12.2018  
(54) A2a antagonists as cognition and motor function enhancers  
(62) 2017201446

(71) BLY IP Inc.  
(21) 2018282299 (22) 18.12.2018  
(54) Drill rod having internally projecting portions  
(62) 2015289455

(71) Bourgault Industries Ltd  
(21) 2018282395 (22) 20.12.2018  
(54) Braking system for towed vehicles  
(62) 2017265182

Complete Applications Filed - Name Index cont'd

(71) Bourgault Industries Ltd  
(21) 2018282396 (22) 20.12.2018  
(54) Braking system for towed vehicles  
(62) 2017265182

(71) Britax Romer Kindersicherheit GmbH  
(21) 2018282335 (22) 19.12.2018  
(54) CHILD SAFETY SEAT WITH BELTED PIVOT LINK  
(31) 17209564.8 (32) 21.12.17 (33) EP

(71) Britax Romer Kindersicherheit GmbH  
(21) 2018282341 (22) 19.12.2018  
(54) CHILD SAFETY SEAT WITH ANTI-ROTATION DEVICE  
(31) 18151046.2 (32) 10.01.18 (33) EP

(71) Britax Romer Kindersicherheit GmbH  
(21) 2018282362 (22) 20.12.2018  
(54) EXTENDIBLE PROTECTIVE ELEMENT FOR USE IN A CHILD SAFETY SEAT  
(31) 18153176.5 (32) 24.01.18 (33) EP

(71) British American Tobacco (Investments) Limited  
(21) 2018282268 (22) 18.12.2018  
(54) Article and apparatus for generating an aerosol  
(62) 2016264012

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(21) 2018279044

(71) Bui, A.; Bui, A.  
(21) 2018279044 (22) 14.12.2018  
(54) Automatic Rolling Ball Pet Toy

(71) Campbell-Lloyd, P.C.  
(21) 2018282352 (22) 18.12.2018  
(54) Flooring system clamp  
(62) 2016228276

(71) Canon Kabushiki Kaisha  
(21) 2018282283 (22) 18.12.2018  
(54) Method, system and apparatus for displaying virtual content

(71) Canon Kabushiki Kaisha  
(21) 2018282338 (22) 19.12.2018  
(54) Method, system and apparatus for managing crops

(71) Canon Kabushiki Kaisha  
(21) 2018282342 (22) 19.12.2018  
(54) Semi-supervised training of an image segmentation model

(71) Canon Kabushiki Kaisha  
(21) 2018282418 (22) 20.12.2018

(54) Adjusting the optical zoom value based on expected error in predicted future location

(71) Canon Kabushiki Kaisha  
(21) 2018282419 (22) 20.12.2018  
(54) Using prediction to detect and correct tracking failures

(71) Canon Kabushiki Kaisha  
(21) 2018282485 (22) 21.12.2018  
(54) Cartridge, process cartridge and electrophotographic image forming apparatus  
(62) 2016273091

(71) Capral Limited  
(21) 2018282314 (22) 19.12.2018  
(54) Frame Assembly for Retaining a Screen  
(62) 2014360671

(71) CASIO COMPUTER CO., LTD.  
(21) 2018282455 (22) 21.12.2018  
(54) Diagnosis assisting device, and image processing method in diagnosis assisting device  
(62) 2017213456

(71) Caterpillar Inc.  
(21) 2018282371 (22) 20.12.2018  
(54) UNDERCARRIAGE SUPPORT FOR A TRACK CHAIN  
(31) 15/859,406 (32) 30.12.17 (33) US

(71) CFPH, LLC  
(21) 2018282372 (22) 20.12.2018  
(54) TIERED GAMING  
(62) 2013287263

(71) CFPH, LLC  
(21) 2018282425 (22) 20.12.2018  
(54) GAME WITH INTERIM BETTING  
(62) 2017200994

(71) Chaei Hsin Enterprise Co., Ltd.  
(21) 2018282474 (22) 21.12.2018  
(54) METHOD AND APPARATUS FOR ASSEMBLING SHOE COMPONENTS  
(31) 107111673 (32) 02.04.18 (33) TW

(71) ChargePoint, Inc.  
(21) 2018286572 (22) 24.12.2018  
(54) Electric vehicle charging station host definable pricing  
(62) 2016238928

(71) Clean Coal Technologies, Inc.  
(21) 2018282423 (22) 20.12.2018  
(54) TREATMENT OF COAL  
(62) 2014273996

(71) Commonwealth Scientific and Industrial Research Organisation  
(21) 2018282276 (22) 18.12.2018  
(54) Method and system for information retrieval and processing  
(62) 2016203899

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(21) 2018286567 (22) 24.12.2018  
(54) Evaporative Cooling System, Device and Method of Construction

(71) CommScope Connectivity Belgium BVBA  
(21) 2018282687 (22) 24.12.2018  
(54) Optical fiber distribution system with staggered cable guides  
(62) 2014300959

(71) CommScope Technologies LLC  
(21) 2018282307 (22) 19.12.2018  
(54) Antennas having dielectric supports and at least one metal layer having one or more slots therein  
(31) 62/620,650 (32) 23.01.18 (33) US

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(21) 2018282309 (22) 19.12.2018  
(54) AN ENDOVASCULAR DELIVERY DEVICE HAVING AN IMPROVED TOP-CAP ASSEMBLY

(71) Cook Medical Technologies LLC  
(21) 2018282403 (22) 20.12.2018  
(54) ELECTROSURGICAL FORMATION OF PSEUDOPOLYPS  
(62) 2015369778

(71) Covidien LP  
(21) 2018282389 (22) 20.12.2018  
(54) Systems and methods for laparoscopic planning and navigation  
(31) 15/867,779 (32) 11.01.18 (33) US

(71) Covidien LP  
(21) 2018282429 (22) 21.12.2018  
(54) Surgical access device with integral filter and evacuation port  
(31) 16/214,269 (32) 10.12.18 (33) US  
62/618,138 17.01.18 US

(71) Covidien LP  
(21) 2018282430 (22) 21.12.2018  
(54) Robotic surgical assemblies and adapter assemblies thereof  
(31) 15/887,391 (32) 02.02.18 (33) US

(71) Cox, P.; Schenscher, E.  
(21) 2018286575 (22) 24.12.2018

Complete Applications Filed - Name Index cont'd

(54) MEDICAL WORK AREA AND CARRIER APPARATUS

(71) CREO MEDICAL LIMITED  
(21) 2018282275 (22) 18.12.2018

(54) ELECTROSURGICAL APPARATUS FOR DELIVERING RF AND/OR MICROWAVE ENERGY INTO BIOLOGICAL TISSUE  
(62) 2014375127

(71) CROWN EQUIPMENT CORPORATION

(21) 2018282330 (22) 19.12.2018  
(54) Systems and methods for use of a materials handling vehicle in a warehouse environment  
(62) PCT/US2017/034026

(71) CROWN EQUIPMENT CORPORATION

(21) 2018282332 (22) 19.12.2018  
(54) Systems and methods for use of a materials handling vehicle in a warehouse environment  
(62) PCT/US2017/034026

(71) CyMedica, Inc.

(21) 2018286589 (22) 27.12.2018  
(54) Systems and methods for treating or supporting human joints or a portion of the human body  
(62) 2014236364

(71) Deep Exploration Technologies Cooperative Research Centre Ltd

(21) 2018279062 (22) 17.12.2018  
(54) Borehole logging methods and apparatus  
(62) 2014353871

(71) Deere & Company

(21) 2018282444 (22) 21.12.2018  
(54) Automatic Product Harvesting Method and Control System  
(31) 15/904,626 (32) 26.02.18 (33) US

(71) Demand Solutions Consulting Pty Ltd

(21) 2018282319 (22) 19.12.2018  
(54) SYSTEM AND METHOD FOR OBJECT DELIVERY AND PICKUP  
(62) 2013262437

Department of Veterans Affairs see The Board of Trustees of the Leland Stanford Junior University

(21) 2018286622

Department of Veterans Affairs see The Board of Trustees of the Leland Stanford Junior University

(21) 2018286623

Department of Veterans Affairs see The Board of Trustees of the Leland Stanford Junior University

(21) 2018286624

Department of Veterans Affairs see The Board of Trustees of the Leland Stanford Junior University

(21) 2018286625

(71) DePuy Mitek, Inc.

(21) 2018282379 (22) 20.12.2018  
(54) Methods and devices for preparing and implanting tissue scaffolds  
(62) 2017204795

(71) DePuy Synthes Products, Inc.

(21) 2018282416 (22) 20.12.2018  
(54) Implantable medical device detachment system with split tube and cylindrical coupling  
(31) 15/850,993 (32) 21.12.17 (33) US

(71) DePuy Synthes Products, Inc.

(21) 2018282470 (22) 21.12.2018  
(54) Aneurysm device and delivery system  
(31) 15/852,829 (32) 22.12.17 (33) US

(71) DePuy Synthes Products, Inc.

(21) 2018282472 (22) 21.12.2018  
(54) Aneurysm device and delivery system  
(31) 15/852,887 (32) 22.12.17 (33) US

(71) Deutsches Krebsforschungszentrum; Faulstich, H.

(21) 2018286601 (22) 27.12.2018  
(54) Amatoxin-armed therapeutic cell surface binding components designed for tumour therapy  
(62) 2017201356

(71) Dow AgroSciences LLC; Akzo Nobel Chemicals International B.V.

(21) 2018282351 (22) 19.12.2018  
(54) Amine and amine oxide surfactants for controlling herbicide spray drift  
(62) 2017201554

(71) Dr. Ing. h.c.F. Porsche Aktiengesellschaft

(21) 2018282349 (22) 19.12.2018  
(54) METHOD FOR CHARGING AN ENERGY STORE OF A VEHICLE USING A MODULAR CHARGING APPARATUS WITH HIGH OVERALL EFFICIENCY  
(31) 10 2018 105 841.1 (32) 14.03.18 (33) DE

(71) Ecolab USA Inc.; BASF SE

(21) 2018282432 (22) 21.12.2018

(54) Efficient surfactant system on plastic and all types of ware

(62) 2016264202

(71) Ecolab USA Inc.

(21) 2018282433 (22) 21.12.2018  
(54) Multiuse, enzymatic detergent and methods of stabilizing a use solution  
(62) 2017201578

(71) Ecolab USA Inc.

(21) 2018286586 (22) 27.12.2018  
(54) Mop bucket  
(62) 2016258828

(71) Electrolux Appliances Aktiebolag

(21) 2018279058 (22) 17.12.2018  
(54) An Air-Conditioner  
(62) 2014301388

(71) Eleven Biotherapeutics, Inc.

(21) 2018282269 (22) 18.12.2018  
(54) CHIMERIC CYTOKINE FORMULATIONS FOR OCULAR DELIVERY  
(62) 2014243839

(71) Elta Systems Ltd.

(21) 2018282256 (22) 17.12.2018  
(54) Systems and methods for locating a signal source  
(31) 256679 (32) 31.12.17 (33) IL

(71) Empi, Inc.

(21) 2018286569 (22) 24.12.2018  
(54) Personalized image-based guidance for energy-based therapeutic devices  
(62) 2014237893

(71) ENHANCED DRILLING, A.S.

(21) 2018282498 (22) 24.12.2018  
(54) SYSTEM AND METHODS FOR CONTROLLED MUD CAP DRILLING  
(62) 2017261932

(71) EPOCH Company, Ltd.

(21) 2018282477 (22) 21.12.2018  
(54) Fusible toy bead  
(31) 2017-250580 (32) 27.12.17 (33) JP

(71) ERACLEOUS, N.

(21) 2018282481 (22) 21.12.2018  
(54) AN ONLINE SYSTEM FOR EMPLOYMENT OF TEMPORARY EMPLOYEES  
(62) PCT/AU2017/050548

(71) ESBATech, an Alcon Biomedical Research Unit LLC

(21) 2018285441 (22) 24.12.2018  
(54) STABLE AND SOLUBLE ANTIBODIES INHIBITING TNFa  
(62) 2016273957

Complete Applications Filed - Name Index cont'd

<p>(71) Ethicon, Inc. (21) 2018282286 (22) 18.12.2018 (54) Sterilization tray (31) 15/858,576 (32) 29.12.17 (33) US</p>	<p>(54) Particle detection (62) 2017200797</p>	<p>(54) Grease gun pressure return valve</p>
<p>(71) Ethicon, Inc. (21) 2018282334 (22) 19.12.2018 (54) Sterilization tray (31) 15/858,381 (32) 29.12.17 (33) US</p>	<p>(71) General Electric Company (21) 2018282440 (22) 21.12.2018 (54) JET SWIRL AIR BLAST FUEL INJECTOR FOR GAS TURBINE ENGINE (31) 15/865,809 (32) 09.01.18 (33) US</p>	<p>(71) HANMI SCIENCE CO., LTD. (21) 2018282298 (22) 18.12.2018 (54) A CONJUGATE COMPRISING OXYN-TOMODULIN AND AN IMMUNOGLOBULIN FRAGMENT, AND USE THEREOF (62) 2017202672</p>
<p>(71) Facebook, Inc. (21) 2018282321 (22) 19.12.2018 (54) Hive table links (62) 2014216727</p>	<p>(71) Gen-Probe Incorporated (21) 2018282483 (22) 21.12.2018 (54) Detection of Shiga toxin genes in bacteria (62) 2016253588</p>	<p>(71) HEE Solar, L.L.C. (21) 2018282426 (22) 20.12.2018 (54) TITANATE INTERFACIAL LAYERS IN PEROVSKITE MATERIAL DEVICES (62) 2016261906</p>
<p>(71) Facebook, Inc. (21) 2018282487 (22) 21.12.2018 (54) Mobile device-related measures of affinity (62) 2017228704</p>	<p>(71) Genzyme Corporation (21) 2018282451 (22) 21.12.2018 (54) Site-specific antibody-drug conjugation through glycoengineering (62) 2014249224</p>	<p>(71) Hesheng Co.,Ltd. (21) 2018286613 (22) 28.12.2018 (54) Scissors with curved blades</p>
<p>(71) Farmalinx Pty Ltd (21) 2018282387 (22) 20.12.2018 (54) SUSPENSION CONCENTRATE COMPOSITION (31) 2017905156 (32) 22.12.17 (33) AU</p>	<p>(71) Geron Corporation (21) 2018282364 (22) 20.12.2018 (54) Use of Telomerase Inhibitors for the Treatment of Myeloproliferative Disorders and Myeloproliferative Neoplasms (62) 2013356533</p>	<p>(71) Ho, D.S.W. (21) 2018282454 (22) 21.12.2018 (54) HEADREST ADJUSTING DEVICE AND METHOD (62) 2015330544</p>
<p><b>Faulstich, H. see Deutsches Krebsforschungszentrum</b> (21) 2018286601</p>	<p>(71) Gilead Sciences, Inc. (21) 2018282291 (22) 18.12.2018 (54) Toll like receptor modulator compounds (62) 2017202755</p>	<p>(71) Icahn School of Medicine at Mount Sinai (21) 2018282345 (22) 19.12.2018 (54) Influenza virus vaccines and uses thereof (62) 2013362935</p>
<p>(71) FISHER &amp; PAYKEL HEALTHCARE LIMITED (21) 2018282279 (22) 18.12.2018 (54) METHOD AND APPARATUS FOR IMPROVING BREATHING THERAPY COMPLIANCE (62) 2013274976</p>	<p>(71) Glaxo Group Limited (21) 2018282427 (22) 21.12.2018 (54) COMBINATIONS OF A MUSCARINIC RECEPTOR ANTAGONIST AND A BETA-2 ADRENORECEPTOR AGONIST (62) 2016262698</p>	<p>(71) Icon Plastics Pty Ltd (21) 2018286606 (22) 28.12.2018 (54) Flashing (31) 2017905206 (32) 28.12.17 (33) AU</p>
<p>(71) Flexopack S.A. (21) 2018282357 (22) 20.12.2018 (54) FILM WITH LOW BREAKDOWN VOLTAGE (31) 17210215.4 (32) 22.12.17 (33) EP</p>	<p>(71) Global Fruit Protection Pty Ltd (21) 2018282281 (22) 18.12.2018 (54) A protective device for fruits (62) 2016273901</p>	<p>(71) ICU Medical, Inc. (21) 2018282458 (22) 21.12.2018 (54) Matching delayed infusion auto-programs with manually entered infusion programs (62) 2015318016</p>
<p>(71) Flexopack S.A. (21) 2018282358 (22) 20.12.2018 (54) FIBC LINER FILM (31) 17210227.9 (32) 22.12.17 (33) EP</p>	<p>(71) GNT Biotech &amp; Medicals Corporation (21) 2019200033 (22) 03.01.2019 (54) A pharmaceutical combination and method for regulation of tumor microenvironment and immunotherapy (31) 62/614,306 (32) 05.01.18 (33) US</p>	<p>(71) Illinois Tool Works Inc. (21) 2018282265 (22) 18.12.2018 (54) IMPROVEMENTS RELATING TO LIFTING OF BUILDING UNITS (62) 2015291285</p>
<p>(71) ForSight Vision4, Inc. (21) 2018282320 (22) 19.12.2018 (54) OPHTHALMIC IMPLANT FOR DELIVERING THERAPEUTIC SUBSTANCES (62) 2014241163</p>	<p>(71) GrowlerWerks, Inc (21) 2018282488 (22) 21.12.2018 (54) Beverage Dispenser (62) 2015315287</p>	<p>(71) Impetux Optics, S.L. (21) 2019200022 (22) 03.01.2019 (54) Method to label as defective a measure of an optical trap force exerted on a trapped particle by a trapping light beam (31) 62/614,792 (32) 08.01.18 (33) US</p>
<p>(71) Garrett Thermal Systems Limited (21) 2018282480 (22) 21.12.2018</p>	<p>(71) Gurtech (Pty) Ltd (21) 2018282292 (22) 18.12.2018</p>	<p>(71) INCYTE HOLDINGS CORPORATION (21) 2019200066 (22) 07.01.2019</p>

Complete Applications Filed - Name Index cont'd

(54) SUBSTITUTED TRICYCLIC COM-  
POUNDS AS FGFR INHIBITORS  
(62) 2013287176

**Indigo AG, Inc. see Indigo Agriculture, Inc.**  
(21) 2018282366

(71) Indigo AG, Inc.  
(21) 2018282373 (22) 20.12.2018  
(54) SEED-ORIGIN ENDOPHYTE POP-  
ULATIONS, COMPOSITIONS, AND  
METHODS OF USE  
(62) 2018222918

(71) Indigo Agriculture, Inc.; Indigo AG, Inc.  
(21) 2018282366 (22) 20.12.2018  
(54) ENDOPHYTES, ASSOCIATED COM-  
POSITIONS, AND METHODS OF USE  
THEREOF  
(62) 2017201009

(71) Intel Corporation  
(21) 2018282410 (22) 20.12.2018  
(54) Donor- or acceptor-based spin qubits  
with isotopically purified materials  
(31) 15/924,410 (32) 19.03.18 (33) US

(71) Intel Corporation  
(21) 2018282484 (22) 21.12.2018  
(54) Wafer-scale integration of dopant atoms  
for donor- or acceptor-based spin  
qubits  
(31) 15/924,407 (32) 19.03.18 (33) US

(71) Intuit Inc.  
(21) 2018286574 (22) 24.12.2018  
(54) Method and system for generating dy-  
namic user experience  
(62) 2014412697

(71) Inventio AG  
(21) 2018282280 (22) 18.12.2018  
(54) System and method for alternatively in-  
teracting with elevators  
(62) 2015357147

(71) iOmniscient Pty Ltd  
(21) 2018286587 (22) 27.12.2018  
(54) SURVEILLANCE SYSTEM  
(31) 15/854,452 (32) 26.12.17 (33) US

(71) IrvinGQ Limited  
(21) 2018286604 (22) 28.12.2018  
(54) A disconnect assembly for an aerial de-  
livery apparatus  
(31) 15/937,805 (32) 27.03.18 (33) US  
1800037.2 02.01.18 GB

(71) Janssen Biotech, Inc.  
(21) 2018282310 (22) 19.12.2018

(54) Differentiation of human embryonic  
stem cells into pancreatic endocrine  
cells using HB9 regulators  
(62) 2013368224

(71) Janssen Pharmaceutica NV  
(21) 2018282466 (22) 21.12.2018  
(54) Esketamine for the treatment of depres-  
sion  
(31) 62/663219 (32) 26.04.18 (33) US  
62/755905 05.11.18 US  
62/675846 24.05.18 US  
62/667406 04.05.18 US  
62/663206 26.04.18 US  
62/609504 22.12.17 US

(71) Janssen Vaccines & Prevention B.V.  
(21) 2018282463 (22) 21.12.2018  
(54) Therapeutic HPV16 vaccines  
(62) 2015341926

(71) JCM American Corporation  
(21) 2018286628 (22) 31.12.2018  
(54) Electronic voucher ticket system  
(62) 2016234973

(71) Joy Global Underground Mining LLC  
(21) 2018282356 (22) 20.12.2018  
(54) Horizon monitoring for longwall system  
(62) 2015218537

(71) Kabushiki Kaisha Toshiba; Toshiba En-  
ergy Systems & Solutions Corporation  
(21) 2018282431 (22) 21.12.2018  
(54) Acid component removal device, acid  
component removal method, and acid  
gas removal device  
(31) 2017-248992 (32) 26.12.17 (33) JP

(71) KABUSHIKI KAISHA TOSHIBA  
(21) 2018286602 (22) 27.12.2018  
(54) DECODING DEVICE AND DECODING  
METHOD  
(62) 2017202582

(71) Kevin, D.  
(21) 2018286629 (22) 31.12.2018  
(54) IDENTIFIABLE ORE SAMPLE TRAY  
AND TRACING METHOD  
(62) 2017213568

(71) Kistler Holding AG  
(21) 2018286584 (22) 27.12.2018  
(54) Turning plate for measuring the push-  
ing-off forces of swimmers  
(62) 2015251481

(71) Kolor Magnetic (Shenzhen) Co., Ltd.  
(21) 2019200037 (22) 04.01.2019  
(54) TABLEWARE HANDLE AND TABLE-  
WARE THEREOF  
(31) 2018105680387 (32) 05.06.18 (33) CN

(71) KSB SAS  
(21) 2018282386 (22) 20.12.2018  
(54) ELECTRIC MOTOR FILLED WITH OIL  
(31) 17 71405 (32) 21.12.17 (33) FR

(71) Levitation Sciences, LLC  
(21) 2018282329 (22) 19.12.2018  
(54) Passive mattress management system  
(62) 2013381789

(71) LG Electronics Inc.  
(21) 2018282287 (22) 18.12.2018  
(54) Refrigerator  
(31) 10-2018-0030980 (32) 16.03.18 (33) KR

(71) LG Electronics Inc.  
(21) 2018282288 (22) 18.12.2018  
(54) Refrigerator  
(31) 10-2018-0034297 (32) 26.03.18 (33) KR

(71) LG Electronics Inc.  
(21) 2018282380 (22) 20.12.2018  
(54) Water purifier  
(31) 10-2017-0178734 (32) 22.12.17 (33) KR

(71) LG Electronics Inc.  
(21) 2018282397 (22) 20.12.2018  
(54) Laundry treatment apparatus  
(62) 2016226784

(71) LG Electronics Inc.  
(21) 2018286573 (22) 24.12.2018  
(54) Laundry treating apparatus and control  
method thereof  
(31) 10-2017-0181372 (32) 27.12.17 (33) KR

(71) LG Electronics Inc.  
(21) 2018286576 (22) 24.12.2018  
(54) Laundry treatment apparatus and con-  
trol method thereof  
(31) 10-2017-0181374 (32) 27.12.17 (33) KR

(71) LG Electronics Inc.  
(21) 2018286577 (22) 24.12.2018  
(54) Laundry treating apparatus  
(31) 10-2017-0181371 (32) 27.12.17 (33) KR

(71) LG Electronics Inc.  
(21) 2019200008 (22) 02.01.2019  
(54) Washing machine  
(31) 10-2017-0182265 (32) 28.12.17 (33) KR

(71) LG Electronics Inc.  
(21) 2019200018 (22) 03.01.2019  
(54) Dishwasher  
(31) 10-2018-0001095 (32) 04.01.18 (33) KR



Complete Applications Filed - Name Index cont'd

(71) LG Electronics Inc.  
(21) 2019200019 (22) 03.01.2019  
(54) Dishwasher  
(31) 10-2018-0001086 (32) 04.01.18 (33) KR

(71) Longyear TM, Inc.  
(21) 2018282492 (22) 21.12.2018  
(54) Handling and recovery devices for tubular members and associated methods  
(62) 2014374101

(71) Looker Data Sciences, Inc.  
(21) 2018282315 (22) 19.12.2018  
(54) Relation aware aggregation (RAA) on normalized datasets  
(62) 2015353782

(71) Lupin Limited  
(21) 2018282448 (22) 21.12.2018  
(54) Pharmaceutical compositions of donepezil having specific in vitro dissolution profile or pharmacokinetics parameters  
(62) 2014222375

(71) Malejko, L.  
(21) 2018278922 (22) 12.12.2018  
(54) I designed a new swimming pool roofing system here in Australia, I have not seen this technology before. I have a structural engineer who has just finished his job and we got a certificate of compliance for proposed building work.

**Mancone, D. see Mancone, G.**  
(21) 2018282367

(71) Mancone, G.; Mancone, D.  
(21) 2018282367 (22) 20.12.2018  
(54) Rumble Strip Laying Apparatus

(71) Mars Incorporated  
(21) 2018282381 (22) 20.12.2018  
(54) Methods  
(62) 2014279901

(71) Mason, C.  
(21) 2018282340 (22) 19.12.2018  
(54) A system for directing air flow in a long-wall mine  
(31) 2017279623 (32) 19.12.17 (33) AU

(71) Massachusetts Institute of Technology  
(21) 2018282420 (22) 20.12.2018  
(54) Spectrometer devices  
(62) 2017200188

(71) Massachusetts Institute of Technology; Sanofi  
(21) 2018286560 (22) 24.12.2018

(54) CONTROL OF CARBON DIOXIDE LEVELS AND PH IN SMALL VOLUME REACTORS  
(62) 2013334168

(71) Matthews, J.  
(21) 2019200086 (22) 07.01.2019  
(54) HOOK SYSTEMS FOR HANGING SCHOOL BAGS  
(62) 2016222271

(71) McLendon, J.  
(21) 2018282496 (22) 23.12.2018  
(54) GOLF SWING TRAINING DEVICE  
(31) 15/853,112 (32) 22.12.17 (33) US

(71) Medivation Technologies LLC  
(21) 2018282363 (22) 20.12.2018  
(54) Compounds and methods of use  
(62) 2014373773

(71) Meridian Medical Technologies, Inc.  
(21) 2018282337 (22) 19.12.2018  
(54) WET/DRY AUTOMATIC INJECTOR ASSEMBLY  
(62) 2017201059

(71) Microtech Medical Technologies Ltd.  
(21) 2018286600 (22) 27.12.2018  
(54) Method of detecting portal and/or hepatic pressure and a portal hypertension monitoring system  
(62) 2017201282

(71) Mills, T.W.  
(21) 2018282350 (22) 19.12.2018  
(54) POWER SUPPLY SYSTEMS AND METHODS  
(61) 2015252152

(71) Mitsubishi Heavy Industries Engineering, Ltd.  
(21) 2018282459 (22) 21.12.2018  
(54) Dry-distilled coal cooling device, coal upgrading plant, and dry-distilled coal cooling method  
(62) 2016230476

(71) Mitsubishi Heavy Industries Thermal Systems, Ltd.  
(21) 2018282385 (22) 20.12.2018  
(54) INDOOR UNIT OF AIR-CONDITIONING APPARATUS  
(31) 2017-254122 (32) 28.12.17 (33) JP

(71) Mitsubishi Heavy Industries Thermal Systems, Ltd.  
(21) 2018282402 (22) 20.12.2018  
(54) AIR CONDITIONER AND METHOD FOR CONTROLLING THE SAME  
(31) 2017-254120 (32) 28.12.17 (33) JP

**Monash University see The University of Melbourne**  
(21) 2018282493

(71) Motorola Solutions, Inc.  
(21) 2018282294 (22) 18.12.2018  
(54) METHOD AND APPARATUS FOR ESTABLISHING A GROUP CALL IN A MULTIPLE WIRELESS TECHNOLOGY COMMUNICATION SYSTEM  
(62) 2015370081

(71) NeuroVive Pharmaceutical AB  
(21) 2018282308 (22) 19.12.2018  
(54) Novel cell-permeable succinate compounds  
(62) 2015243346

(71) New York Stem Cell Foundation, Inc.  
(21) 2018286561 (22) 24.12.2018  
(54) Automated system for producing induced pluripotent stem cells or differentiated cells  
(62) 2012345676

(71) Nippon Steel & Sumitomo Metal Corporation  
(21) 2018286590 (22) 27.12.2018  
(54) Method for measuring wear of railroad vehicle wheel flange  
(62) 2015347772

(71) NovaBiotics Limited  
(21) 2018282257 (22) 17.12.2018  
(54) A composition comprising an antibiotic and a dispersant or an anti-adhesive agent  
(62) 2017201670

(71) NOZOMI NETWORKS SAGL  
(21) 2018286603 (22) 28.12.2018  
(54) METHOD AND APPARATUS FOR DETECTING THE ANOMALIES OF AN INFRASTRUCTURE

(71) Nuctech Company Limited  
(21) 2018286570 (22) 24.12.2018  
(54) Accelerator system for mineral component analysis, system and method for mineral component analysis  
(31) 201711435413.2 (32) 26.12.17 (33) CN

(71) Oberthur Technologies  
(21) 2018282344 (22) 19.12.2018  
(54) Secure electronic entity for authorizing a transaction  
(62) 2013288498

(71) OLOFSSON, E.G.  
(21) 2018282491 (22) 21.12.2018

Complete Applications Filed - Name Index cont'd

(54) Improved Accelerator Pedal with Braking Action  
(61) 2011226993

(71) Omya International AG  
(21) 2018282277 (22) 18.12.2018  
(54) Inkjet printing method  
(62) 2016232469

(71) Ono Pharmaceutical Co., Ltd.  
(21) 2018282336 (22) 19.12.2018  
(54) Trk-inhibiting compound  
(62) 2017279570

(71) Optimedica Corporation  
(21) 2018282406 (22) 20.12.2018  
(54) System for modifying eye tissue and intraocular lenses  
(62) 2017203081

(71) Orbital Australia Pty Ltd  
(21) 2018282413 (22) 20.12.2018  
(54) DIESEL PARTICULATE FILTER THERMAL MANAGEMENT SYSTEM  
(31) 2017905116 (32) 21.12.17 (33) AU

(71) Patent Investment & Licensing Company  
(21) 2018282322 (22) 19.12.2018  
(54) Systems to Facilitate Communication with Casino Employees and Players and to Log Data Related to Employee Work  
(62) 2014203160

(71) Pearl Therapeutics, Inc.  
(21) 2018282272 (22) 18.12.2018  
(54) COMPOSITIONS, METHODS & SYSTEMS FOR RESPIRATORY DELIVERY OF TWO OR MORE ACTIVE AGENTS  
(62) 2017201709

(71) Pearl Therapeutics, Inc.  
(21) 2018282273 (22) 18.12.2018  
(54) COMPOSITIONS FOR PULMONARY DELIVERY OF LONG-ACTING MUSCARINIC ANTAGONISTS AND LONG-ACTING B2 ADRENERGIC RECEPTOR AGONISTS AND ASSOCIATED METHODS AND SYSTEMS  
(62) 2017201626

(71) Pesense Pty Ltd  
(21) 2018282436 (22) 21.12.2018  
(54) A mounting and positioning device for an electronic sensor in a termite monitor  
(31) 2017905133 (32) 21.12.17 (33) AU

(71) Pierian Biosciences, LLC  
(21) 2018282460 (22) 21.12.2018

(54) System and method for automated determination of the relative effectiveness of anti-cancer drug candidates  
(62) 2013256248

Posadowski, A.N. see Spanton, C.  
(21) 2018282462

(71) Power Pin Inc.  
(21) 2018282414 (22) 20.12.2018  
(54) Reducing wear in hitch apparatuses  
(62) 2016218895

(71) Progress Profiles SpA  
(21) 2019200023 (22) 03.01.2019  
(54) Waterproof panel for shower tray  
(31) 102018000001008 (32) 16.01.18 (33) IT

(71) Promentis Pharmaceuticals, Inc.  
(21) 2018282446 (22) 21.12.2018  
(54) Substituted N-acetyl-L-cysteine derivatives and related compounds  
(62) 2014346591

(71) Proxene Tools Co., Ltd.  
(21) 2019200014 (22) 03.01.2019  
(54) Pipe Pliers  
(31) 107101050 (32) 11.01.18 (33) TW

(71) Quatius Technology (China) Limited  
(21) 2018282398 (22) 20.12.2018  
(54) METHOD AND DEVICE FOR HUMAN-MACHINE INTERACTION IN A STORAGE UNIT, STORAGE UNIT, AND STORAGE MEDIUM  
(31) 201810439679.2 (32) 09.05.18 (33) CN

(71) Quatius Technology (China) Limited  
(21) 2018282399 (22) 20.12.2018  
(54) METHOD AND DEVICE FOR HUMAN-MACHINE INTERACTION IN A STORAGE UNIT, STORAGE UNIT AND STORAGE MEDIUM  
(31) 201810439678.8 (32) 09.05.18 (33) CN

(71) Quincy Bioscience, LLC  
(21) 2018279057 (22) 17.12.2018  
(54) APOAEQUORIN-CONTAINING COMPOSITIONS AND METHODS OF USING SAME TO TREAT NEURONAL INFLAMMATION  
(62) 2015346430

(71) Rasmussen, G.  
(21) 2018282424 (22) 20.12.2018  
(54) GUIDE ASSEMBLY FOR GUIDING CUTS TO A FEMUR AND TIBIA DURING A KNEE ARTHROPLASTY  
(62) 2016203260

(71) RMW CHO Group Limited  
(21) 2018282411 (22) 20.12.2018  
(54) Chlorin derivative useful in photodynamic therapy and diagnosis  
(62) 2013357030

Rokos, S. see Weingarth, P.  
(21) 2018282346

(71) Rose, A.  
(21) 2018282464 (22) 21.12.2018  
(54) Solar Panel Support Frames for Towers  
(31) 2017905114 (32) 21.12.17 (33) AU

(71) Safelec Technology Holdings Pty Ltd  
(21) 2018282392 (22) 20.12.2018  
(54) A method for tripping a residual current device, a secondary protection device for tripping a residual current device, an electrical protection unit and a mounting bracket  
(62) 2014280851

(71) SAMSON CLINICAL PTY LTD  
(21) 2018279055 (22) 17.12.2018  
(54) DETECTION AND TREATMENT OF EXCESSIVE HAIR SHEDDING  
(62) 2017210523

(71) Samsung Electronics Co., Ltd.  
(21) 2018282401 (22) 20.12.2018  
(54) USER TERMINAL DEVICE AND CONTROL METHOD THEREOF  
(62) 2013332591

(71) Samsung Electronics Co., Ltd.  
(21) 2018282456 (22) 21.12.2018  
(54) METHOD AND APPARATUS FOR ENTROPY ENCODING/DECODING A TRANSFORM COEFFICIENT  
(62) 2017261624

(71) SAMSUNG ELECTRONICS CO., LTD.  
(21) 2019200007 (22) 02.01.2019  
(54) Electronic device and method for processing information associated with food  
(31) 10-2018-0002476 (32) 08.01.18 (33) KR

(71) Sanden Holdings Corporation; The Coca-Cola Company  
(21) 2018282412 (22) 20.12.2018  
(54) Vending machine  
(62) 2015365008

Sanofi see Massachusetts Institute of Technology  
(21) 2018286560

(71) SANOFI-AVENTIS  
(21) 2018279056 (22) 17.12.2018

Complete Applications Filed - Name Index cont'd

(54) NOVEL ANTI-CD38 ANTIBODIES FOR THE TREATMENT OF CANCER  
(62) 2017200354

Schenscher, E. see Cox, P.  
(21) 2018286575

(71) Scodon Engineering Services Pty Ltd  
(21) 2018282449 (22) 21.12.2018  
(54) Wine Glass Case

Scully-Power, P. see Weingarth, P.  
(21) 2018282346

(71) Seminis Vegetable Seeds, Inc.  
(21) 2019200031 (22) 03.01.2019  
(54) MELON HYBRID SVMF5675 AND PARENTS THEREOF  
(31) 15/878,023 (32) 23.01.18 (33) US

(71) Seres Therapeutics, Inc.  
(21) 2018282348 (22) 19.12.2018  
(54) COMPOSITIONS AND METHODS  
(62) 2014212004

(71) SEROLA BIOMECHANICS, INC.  
(21) 2018282465 (22) 21.12.2018  
(54) Sacroiliac Belt and Composite Structure  
(62) 2017210531

(71) SHANG HAI PAN SHI TOU ZI GUAN LI YOU XIAN GONG SI  
(21) 2018282354 (22) 19.12.2018  
(54) PROMPTING METHOD AND APPARATUS  
(62) 2016262718

(71) Sharma, A.  
(21) 2018282415 (22) 20.12.2018  
(54) Optical correction  
(62) 2017201568

(71) Shengli College China University of Petroleum  
(21) 2018282325 (22) 19.12.2018  
(54) CLUTCH DEVICE APPLICABLE TO MULTI-WELL OIL PUMPING MACHINE  
(31) 20181069929.8 (32) 24.01.18 (33) CN

(71) SignPath Pharma, Inc.  
(21) 2018286147 (22) 24.12.2018  
(54) PROTECTIVE EFFECT OF DMPC, DMPG, DMPC/DMPG, EGPG, LYOPG AND LYOPC AGAINST DRUGS THAT CAUSE CHANNELOPATHIES  
(62) 2016266020

(71) SMALL, W.K.  
(21) 2018286605 (22) 28.12.2018

(54) Boot Dip Mat  
(31) 2018900099 (32) 12.01.18 (33) AU

(71) SMART Medical Systems Ltd.  
(21) 2018282447 (22) 21.12.2018  
(54) ENDOSCOPE REPROCESSING SYSTEM AND METHOD  
(62) 2014269901

(71) SMART Medical Systems Ltd.  
(21) 2018282450 (22) 21.12.2018  
(54) Balloon-Equipped Endoscopic Devices and Methods Thereof  
(62) 2017202285

(71) Somero Enterprises, Inc.  
(21) 2018282311 (22) 19.12.2018  
(54) Concrete screeding system with floor quality feedback/control  
(62) 2015253384

(71) Sony Corporation  
(21) 2018282443 (22) 21.12.2018  
(54) Device  
(62) 2015338473

(71) Southern Seawall Solutions Pty Limited  
(21) 2018286620 (22) 31.12.2018  
(54) Improved caisson and wall element system and method and apparatus for constructing shoring walls  
(61) 2018202809

(71) Spanton, C.; Posadowski, A.N.  
(21) 2018282462 (22) 21.12.2018  
(54) FISHING STATION  
(62) 2016204470

(71) SPENCER, B.R.  
(21) 2018282382 (22) 20.12.2018  
(54) DISTRIBUTION SYSTEM FOR OZONE

(71) Studco Australia Pty Ltd  
(21) 2018282368 (22) 20.12.2018  
(54) METHOD OF CONNECTING AND INSTALLING A BUILDING MEMBER  
(31) 2017905123 (32) 21.12.17 (33) AU

(71) Studco Australia Pty Ltd  
(21) 2018282393 (22) 20.12.2018  
(54) ACOUSTIC AND INSULATION MOUNTING  
(31) 2017905175 (32) 22.12.17 (33) AU

(71) StyleRide Pty Ltd  
(21) 2018282260 (22) 17.12.2018  
(54) A bus module and method  
(61) 2007237155

(71) Suprasensor Technologies, LLC  
(21) 2018282293 (22) 18.12.2018  
(54) MOLECULAR RECEPTOR-BASED CHEMICAL FIELD-EFFECT TRANSDUCER  
(62) 2014323628

(71) Synergy Pharmaceuticals Inc.  
(21) 2018286626 (22) 31.12.2018  
(54) Formulations Of Guanylate Cyclase C Agonists And Methods Of Use  
(62) 2016216716

(71) SYNERZ MEDICAL, INC.  
(21) 2018282461 (22) 21.12.2018  
(54) Intragastric device for treating obesity  
(62) 2016328478

(71) TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)  
(21) 2018284937 (22) 24.12.2018  
(54) UPLINK RESOURCE SCHEDULING IN MULTIPLE TIME INSTANCES  
(62) 2014414143

(71) The Board of Trustees of the Leland Stanford Junior University; Department of Veterans Affairs  
(21) 2018286622 (22) 31.12.2018  
(54) Identification of polynucleotides associated with a sample  
(62) 2017232235

(71) The Board of Trustees of the Leland Stanford Junior University; Department of Veterans Affairs  
(21) 2018286623 (22) 31.12.2018  
(54) Identification of polynucleotides associated with a sample  
(62) 2017232235

(71) The Board of Trustees of the Leland Stanford Junior University; Department of Veterans Affairs  
(21) 2018286624 (22) 31.12.2018  
(54) Identification of polynucleotides associated with a sample  
(62) 2017232235

(71) The Board of Trustees of the Leland Stanford Junior University; Department of Veterans Affairs  
(21) 2018286625 (22) 31.12.2018  
(54) Identification of polynucleotides associated with a sample  
(62) 2017232235

(71) The Boeing Company  
(21) 2018282360 (22) 20.12.2018  
(54) Aircraft privacy door and door frame assembly  
(31) 62/628,254 (32) 08.02.18 (33) US  
15/935,318 26.03.18 US

Complete Applications Filed - Name Index cont'd

<p>(71) The Boeing Company (21) 2018282428 (22) 21.12.2018 (54) Wing rib, wing having wing rib, and method for manufacturing the same (31) 15/879,789 (32) 25.01.18 (33) US</p>	<p>(54) Methods and apparatus to share online media impressions data (62) 2017200060</p>	<p>(54) COMPOSITIONS FOR BINDING AGGREGATE</p>
<p>(71) The Boeing Company (21) 2018282478 (22) 21.12.2018 (54) Aircraft privacy door and door frame assembly (31) 62/628,254 (32) 08.02.18 (33) US 15/935,259 26.03.18 US</p>	<p>(71) Therabiome, LLC (21) 2018282453 (22) 21.12.2018 (54) Targeted gastrointestinal tract delivery of probiotic organisms and/or therapeutic agents (62) 2014239883</p>	<p>(71) Univation Technologies, LLC (21) 2018282274 (22) 18.12.2018 (54) METHOD TO PREPARE ETHYLENE COPOLYMERS (62) 2015217388</p>
<p>(71) THE CHEMOURS COMPANY FC, LLC (21) 2018282475 (22) 21.12.2018 (54) COMPOSITIONS COMPRISING FLUOROOLEFINS AND USES THEREOF (62) 2017201286</p>	<p>(71) The United States of America, as represented by the Secretary, Department of Health and Human Services (21) 2018282476 (22) 21.12.2018 (54) PREFUSION RSV F PROTEINS AND THEIR USE (62) 2014243756</p>	<p>(71) Univation Technologies, LLC (21) 2018282375 (22) 18.12.2018 (54) PRODUCING POLYOLEFIN PRODUCTS (62) 2015217402</p>
<p>(71) The Coca-Cola Company (21) 2018282376 (22) 20.12.2018 (54) BIO-BASED POLYETHYLENE TEREPHTHALATE POLYMER AND METHOD OF MAKING THE SAME (62) 2017200475</p>	<p>(71) The University of Melbourne; Monash University (21) 2018282493 (22) 21.12.2018 (54) CZTS precursor inks and methods for preparing CZTS thin films and CZTS-based devices</p>	<p>(71) UPL LTD (21) 2018282305 (22) 19.12.2018 (54) STABLE HERBICIDAL COMPOSITIONS (62) 2015212525</p>
<p>(71) The Coca-Cola Company (21) 2018282377 (22) 20.12.2018 (54) BIO-BASED POLYETHYLENE TEREPHTHALATE PACKAGING AND METHOD OF MAKING THEREOF (62) 2017200869</p>	<p>(71) The University of North Carolina at Chapel Hill (21) 2018282408 (22) 20.12.2018 (54) Methods and compositions for dual glycan binding AAV vectors (62) 2014227766</p>	<p>(71) VeChain Global Technology S.á.r.l. (21) 2018282400 (22) 20.12.2018 (54) METHODS, MEDIUM, IOT DEVICE, BLOCK CHAIN PLATFORM AND IOT SYSTEM FOR RECORDING TRANSPORTATION DATA OF OBJECT (31) 201711483635 (32) 29.12.17 (33) CN</p>
<p>(71) The Coca-Cola Company (21) 2018282378 (22) 20.12.2018 (54) FURANOIC POLYMER PREFORMS, CONTAINERS AND PROCESSING (62) 2014312018</p>	<p>(71) Tkach, J. (21) 2019200034 (22) 04.01.2019 (54) Kick Scooter Control Mechanism (31) 2018900029 (32) 05.01.18 (33) AU</p>	<p>(71) Vehicle Monitoring Systems Pty Ltd (21) 2018282421 (22) 20.12.2018 (54) Method, apparatus and system for parking overstay detection (62) 2017201635</p>
<p><b>The Coca-Cola Company see Sanden Holdings Corporation</b> (21) 2018282412</p>	<p>(71) Tomba Enterprises Pty Ltd (21) 2018282468 (22) 21.12.2018 (54) Structural Connector (31) 2017905120 (32) 21.12.17 (33) AU</p>	<p>(71) Velazquez, E.R. (21) 2018282295 (22) 18.12.2018 (54) Urinal mat (62) 2013407370</p>
<p>(71) The General Hospital Corporation (21) 2018282457 (22) 21.12.2018 (54) COMPOSITIONS AND METHODS FOR DETECTING AND/OR TREATING INFLAMMATION (62) 2014346641</p>	<p><b>Toshiba Energy Systems &amp; Solutions Corporation see Kabushiki Kaisha Toshiba</b> (21) 2018282431</p>	<p>(71) Velos Media International Limited (21) 2018282369 (22) 20.12.2018 (54) Image coding method, image decoding method, image coding apparatus, image decoding apparatus, and image coding and decoding apparatus (62) 2017200514</p>
<p>(71) The Nielsen Company (US), LLC (21) 2018282417 (22) 20.12.2018 (54) Methods and apparatus to identify media (62) 2016216648</p>	<p>(71) Trading Technologies International, Inc (21) 2018282343 (22) 19.12.2018 (54) Distribution of market data based on price level transitions (62) 2016204615</p>	<p>(71) Verona Pharma PLC (21) 2018286571 (22) 24.12.2018 (54) Liquid inhalation formulation comprising RPL554 (62) 2015316592</p>
<p>(71) The Nielsen Company (US), LLC (21) 2018282471 (22) 21.12.2018</p>	<p>(71) Tranz Products Limited (21) 2018282266 (22) 18.12.2018 (54) WEAR SENSOR (31) 2017905121 (32) 21.12.17 (33) AU 742408 10.05.18 NZ</p>	<p>(71) Virginia Tech Intellectual Properties, Inc. (21) 2018282374 (22) 20.12.2018 (54) Cleaning and dewatering fine coal (62) 2016247055</p>
<p>(71) The Nielsen Company (US), LLC (21) 2018282471 (22) 21.12.2018</p>	<p>(71) Underground Roads Pty Ltd (21) 2018282324 (22) 19.12.2018</p>	<p></p>

Complete Applications Filed - Name Index cont'd

(71) Visa U.S.A. Inc  
(21) 2018282359 (22) 20.12.2018  
(54) CONFIGURABLE PAYMENT TOKENS  
(62) 2013209318

(71) Vyome Biosciences Pvt. Ltd.  
(21) 2018282407 (22) 20.12.2018  
(54) Coated particles and compositions  
comprising same  
(62) 2017203374

(71) W. L. Gore & Associates, Inc.  
(21) 2018282323 (22) 19.12.2018  
(54) Frame with integral sewing cuff for  
prosthetic valves  
(62) 2015305868

(71) W. L. Gore & Associates, Inc.  
(21) 2018286581 (22) 27.12.2018  
(54) Prosthetic heart valve with retention  
elements  
(62) 2015318007

(71) W. L. Gore & Associates, Inc.  
(21) 2019200075 (22) 07.01.2019  
(54) Stent having adjacent elements con-  
nected by narrow flexible webs  
(62) 2015289497

(71) Weeks Holdings Pty Ltd  
(21) 2018282285 (22) 18.12.2018  
(54) A prefabricated structural building  
frame and method of making the same  
(62) 2017202001

(71) Weingarth, P.; Rokos, S.; Scully-Power,  
P.  
(21) 2018282346 (22) 19.12.2018  
(54) A system for digital receipts enrolment  
and issuance  
(31) 2016901891 (32) 20.05.16 (33) AU  
2016903897 27.09.16 AU

(71) Welikala, K.  
(21) 2018286621 (22) 31.12.2018  
(54) HeartMonitor: An intergrated home-  
based and mobile Heart Attack Monitor  
and alert system.

(71) Wilson & Gilkes Pty Ltd  
(21) 2018282282 (22) 18.12.2018  
(54) Secure enclosure for server rack

(71) Winfield Solutions, LLC  
(21) 2018282327 (22) 19.12.2018  
(54) Drop nozzle  
(62) 2014201304

(71) Wonderland Switzerland AG  
(21) 2018282434 (22) 21.12.2018

(54) Child stroller apparatus having an ex-  
pandable frame  
(62) 2017200492

(71) Wonderland Switzerland AG  
(21) 2018282438 (22) 21.12.2018  
(54) Child stroller apparatus having an ex-  
pandable frame  
(62) 2017200492

(71) Wonderland Switzerland AG  
(21) 2018282442 (22) 21.12.2018  
(54) Child stroller apparatus having an ex-  
pandable frame  
(62) 2017200492

(71) Wonderland Switzerland AG  
(21) 2018282445 (22) 21.12.2018  
(54) Child stroller apparatus having an ex-  
pandable frame  
(62) 2017200492

(71) Woodform Architectural Pty Ltd  
(21) 2018282353 (22) 19.12.2018  
(54) Batten Fixing System  
(31) 2017905087 (32) 20.12.17 (33) AU

(71) Wright Medical Technology, Inc.  
(21) 2018285474 (22) 24.12.2018  
(54) Implant peg with multiple components  
(62) 2016398373

(71) Wuhan Kaidi Engineering Technology  
Research Institute Co., Ltd  
(21) 2018282301 (22) 18.12.2018  
(54) Cobalt-Based Fischer-Tropsch Syn-  
thesis Catalyst And Preparation Method  
And Use Thereof  
(62) 2016208857

(71) X Development LLC  
(21) 2018286597 (22) 27.12.2018  
(54) Methods and systems for transitioning  
an aerial vehicle between crosswind  
flight and hover flight  
(62) 2017202978

(71) Xinxiang Hengxing Technology Co., Ltd  
(21) 2018282967 (22) 24.12.2018  
(54) Special composite lithium-based grease  
and preparation method thereof  
(31) CN201711421435.3(32) 25.12.17 (33) CN

(71) Zafgen, Inc.  
(21) 2018282489 (22) 21.12.2018  
(54) Methods of treating renal disease and  
other disorders  
(62) 2014236528

(71) Zimmer, Inc.  
(21) 2018282467 (22) 21.12.2018

(54) SOFT TISSUE BALANCING IN ARTIC-  
ULAR SURGERY  
(31) 15/853,657 (32) 22.12.17 (33) US

(71) ZINNIA TEK LIMITED  
(21) 2018279060 (22) 17.12.2018  
(54) PHOTOVOLTAIC SYSTEMS  
(62) 2014269204

Numerical Index

2018278922	Malejko, L.	2018282327	Winfield Solutions, LLC
2018279044	Bui, A.; Bui, A.	2018282328	AbbVie Stemcentrx LLC
2018279055	SAMSON CLINICAL PTY LTD	2018282329	Levitation Sciences, LLC
2018279056	SANOFI-AVENTIS	2018282330	CROWN EQUIPMENT CORPORATION
2018279057	Quincy Bioscience, LLC	2018282331	Aristocrat Technologies Australia Pty Limited
2018279058	Electrolux Appliances Aktiebolag	2018282332	CROWN EQUIPMENT CORPORATION
2018279060	ZINNATEK LIMITED	2018282333	Astellas Institute for Regenerative Medicine
2018279062	Deep Exploration Technologies Cooperative Research Centre Ltd	2018282334	Ethicon, Inc.
2018282256	Elta Systems Ltd.	2018282335	Britax Romer Kindersicherheit GmbH
2018282257	NovaBiotics Limited	2018282336	Ono Pharmaceutical Co., Ltd.
2018282259	Applied Explosives Technology Pty Limited	2018282337	Meridian Medical Technologies, Inc.
2018282260	StyleRide Pty Ltd	2018282338	Canon Kabushiki Kaisha
2018282261	Angel Playing Cards Co., Ltd.	2018282339	Akzo Nobel Chemicals International B.V.
2018282262	Angel Playing Cards Co., Ltd.	2018282340	Mason, C.
2018282263	Angel Playing Cards Co., Ltd.	2018282341	Britax Romer Kindersicherheit GmbH
2018282265	Illinois Tool Works Inc.	2018282342	Canon Kabushiki Kaisha
2018282266	Tranz Products Limited	2018282343	Trading Technologies International, Inc
2018282268	British American Tobacco (Investments) Limited	2018282344	Oberthur Technologies
2018282269	Eleven Biotherapeutics, Inc.	2018282345	Icahn School of Medicine at Mount Sinai
2018282271	Alstom Transport Technologies	2018282346	Weingarh, P.; Rokos, S.; Scully-Power, P.
2018282272	Pearl Therapeutics, Inc.	2018282348	Seres Therapeutics, Inc.
2018282273	Pearl Therapeutics, Inc.	2018282349	Dr. Ing. h.c.F. Porsche Aktiengesellschaft
2018282274	Univation Technologies, LLC	2018282350	Mills, T.W.
2018282275	CREO MEDICAL LIMITED	2018282351	Dow AgroSciences LLC; Akzo Nobel Chemicals International B.V.
2018282276	Commonwealth Scientific and Industrial Research Organisation	2018282352	Campbell-Lloyd, P.C.
2018282277	Omya International AG	2018282353	Woodform Architectural Pty Ltd
2018282279	FISHER & PAYKEL HEALTHCARE LIMITED	2018282354	SHANG HAI PAN SHI TOU ZI GUAN LI YOU XIAN GONG SI
2018282280	Inventio AG	2018282355	Aristocrat Technologies Australia Pty Limited
2018282281	Global Fruit Protection Pty Ltd	2018282356	Joy Global Underground Mining LLC
2018282282	Wilson & Gilkes Pty Ltd	2018282357	Flexopack S.A.
2018282283	Canon Kabushiki Kaisha	2018282358	Flexopack S.A.
2018282284	Accenture Global Solutions Limited	2018282359	Visa U.S.A. Inc
2018282285	Weeks Holdings Pty Ltd	2018282360	The Boeing Company
2018282286	Ethicon, Inc.	2018282361	BEMIS MANUFACTURING COMPANY
2018282287	LG Electronics Inc.	2018282362	Britax Romer Kindersicherheit GmbH
2018282288	LG Electronics Inc.	2018282363	Medivation Technologies LLC
2018282289	Accenture Global Solutions Limited	2018282364	Geron Corporation
2018282290	BASF Plant Science Company GmbH	2018282365	Belle-Aire Fragrances, Inc.
2018282291	Gilead Sciences, Inc.	2018282366	Indigo Agriculture, Inc.; Indigo AG, Inc.
2018282292	Gurtech (Pty) Ltd	2018282367	Mancone, G.; Mancone, D.
2018282293	Suprasensor Technologies, LLC	2018282368	Studco Australia Pty Ltd
2018282294	Motorola Solutions, Inc.	2018282369	Velos Media International Limited
2018282295	Velazquez, E.R.	2018282370	BAYER CROPSCIENCE AG
2018282298	HANMI SCIENCE CO., LTD.	2018282371	Caterpillar Inc.
2018282299	BLY IP Inc.	2018282372	CFPH, LLC
2018282301	Wuhan Kaidi Engineering Technology Research Institute Co., Ltd	2018282373	Indigo AG, Inc.
2018282303	Aristocrat Technologies Australia Pty Limited	2018282374	Virginia Tech Intellectual Properties, Inc.
2018282305	UPL LTD	2018282375	Univation Technologies, LLC
2018282306	Ainsworth Game Technology Limited	2018282376	The Coca-Cola Company
2018282307	CommScope Technologies LLC	2018282377	The Coca-Cola Company
2018282308	NeuroVive Pharmaceutical AB	2018282378	The Coca-Cola Company
2018282309	Cook Medical Technologies LLC	2018282379	DePuy Mitek, Inc.
2018282310	Janssen Biotech, Inc.	2018282380	LG Electronics Inc.
2018282311	Somero Enterprises, Inc.	2018282381	Mars Incorporated
2018282312	Arcadyan Technology Corporation	2018282382	SPENCER, B.R.
2018282314	Capral Limited	2018282383	Aristocrat Technologies Australia Pty Limited
2018282315	Looker Data Sciences, Inc.	2018282384	Apple Inc.
2018282319	Demand Solutions Consulting Pty Ltd	2018282385	Mitsubishi Heavy Industries Thermal Systems, Ltd.
2018282320	ForSight Vision4, Inc.	2018282386	KSB SAS
2018282321	Facebook, Inc.	2018282387	Farmalinx Pty Ltd
2018282322	Patent Investment & Licensing Company	2018282389	Covidien LP
2018282323	W. L. Gore & Associates, Inc.	2018282391	BGC Partners, Inc.
2018282324	Underground Roads Pty Ltd	2018282392	Safelec Technology Holdings Pty Ltd
2018282325	Shengli College China University of Petroleum	2018282393	Studco Australia Pty Ltd
2018282326	ANIMAL DENTAL CHART INC.	2018282394	Aristocrat Technologies Australia Pty Limited
		2018282395	Bourgault Industries Ltd

Complete Applications Filed - Numerical Index cont'd

2018282396	Bourgault Industries Ltd	2018282470	DePuy Synthes Products, Inc.
2018282397	LG Electronics Inc.	2018282471	The Nielsen Company (US), LLC
2018282398	Quatius Technology (China) Limited	2018282472	DePuy Synthes Products, Inc.
2018282399	Quatius Technology (China) Limited	2018282473	Accenture Global Solutions Limited
2018282400	VeChain Global Technology S.á.r.l.	2018282474	Chaei Hsin Enterprise Co., Ltd.
2018282401	Samsung Electronics Co., Ltd.	2018282475	THE CHEMOURS COMPANY FC, LLC
2018282402	Mitsubishi Heavy Industries Thermal Systems, Ltd.	2018282476	The United States of America, as represented by the Secretary, Department of Health and Human Services
2018282403	Cook Medical Technologies LLC		
2018282404	Apple Inc.	2018282477	EPOCH Company, Ltd.
2018282405	Bell, W.	2018282478	The Boeing Company
2018282406	Optimedica Corporation	2018282479	Biosense Webster (Israel) Ltd.
2018282407	Vyome Biosciences Pvt. Ltd.	2018282480	Garrett Thermal Systems Limited
2018282408	The University of North Carolina at Chapel Hill	2018282481	ERACLEOUS, N.
2018282409	Apple Inc.	2018282482	Aristocrat Technologies Australia Pty Limited
2018282410	Intel Corporation	2018282483	Gen-Probe Incorporated
2018282411	RMW CHO Group Limited	2018282484	Intel Corporation
2018282412	Sanden Holdings Corporation; The Coca-Cola Company	2018282485	Canon Kabushiki Kaisha
		2018282486	3M Innovative Properties Company
2018282413	Orbital Australia Pty Ltd	2018282487	Facebook, Inc.
2018282414	Power Pin Inc.	2018282488	GrowlerWerks, Inc
2018282415	Sharma, A.	2018282489	Zafgen, Inc.
2018282416	DePuy Synthes Products, Inc.	2018282490	Aurora Flight Sciences Corporation
2018282417	The Nielsen Company (US), LLC	2018282491	OLOFSSON, E.G.
2018282418	Canon Kabushiki Kaisha	2018282492	Longyear TM, Inc.
2018282419	Canon Kabushiki Kaisha	2018282493	The University of Melbourne; Monash University
2018282420	Massachusetts Institute of Technology	2018282494	Aristocrat Technologies Australia Pty Limited
2018282421	Vehicle Monitoring Systems Pty Ltd	2018282496	McLendon, J.
2018282423	Clean Coal Technologies, Inc.	2018282497	Behr Process Corporation
2018282424	Rasmussen, G.	2018282498	ENHANCED DRILLING, A.S.
2018282425	CFPH, LLC	2018282687	CommScope Connectivity Belgium BVBA
2018282426	HEE Solar, L.L.C.	2018282967	Xinxiang Hengxing Technology Co., Ltd
2018282427	Glaxo Group Limited	2018284937	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
2018282428	The Boeing Company	2018285441	ESBATech, an Alcon Biomedical Research Unit LLC
2018282429	Covidien LP	2018285474	Wright Medical Technology, Inc.
2018282430	Covidien LP	2018286147	SignPath Pharma, Inc.
2018282431	Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation	2018286560	Massachusetts Institute of Technology; Sanofi
		2018286561	New York Stem Cell Foundation, Inc.
2018282432	Ecolab USA Inc.; BASF SE	2018286562	BEDFORD INDUSTRIES, INC.
2018282433	Ecolab USA Inc.	2018286563	Baylor College of Medicine
2018282434	Wonderland Switzerland AG	2018286564	ARCADYAN TECHNOLOGY CORPORATION
2018282436	Pesense Pty Ltd	2018286567	Commonwealth Scientific and Industrial Research Organisation
2018282438	Wonderland Switzerland AG		
2018282439	Asahi Kasei Kabushiki Kaisha	2018286568	AMIP
2018282440	General Electric Company	2018286569	Empi, Inc.
2018282442	Wonderland Switzerland AG	2018286570	Nuctech Company Limited
2018282443	Sony Corporation	2018286571	Verona Pharma PLC
2018282444	Deere & Company	2018286572	ChargePoint, Inc.
2018282445	Wonderland Switzerland AG	2018286573	LG Electronics Inc.
2018282446	Promentis Pharmaceuticals, Inc.	2018286574	Intuit Inc.
2018282447	SMART Medical Systems Ltd.	2018286575	Cox, P.; Schenscher, E.
2018282448	Lupin Limited	2018286576	LG Electronics Inc.
2018282449	Scodon Engineering Services Pty Ltd	2018286577	LG Electronics Inc.
2018282450	SMART Medical Systems Ltd.	2018286578	Afton Chemical Corporation
2018282451	Genzyme Corporation	2018286581	W. L. Gore & Associates, Inc.
2018282452	Acceleron Pharma Inc.	2018286584	Kistler Holding AG
2018282453	Therabiome, LLC	2018286586	Ecolab USA Inc.
2018282454	Ho, D.S.W.	2018286587	iOmniscient Pty Ltd
2018282455	CASIO COMPUTER CO., LTD.	2018286589	CyMedica, Inc.
2018282456	Samsung Electronics Co., Ltd.	2018286590	Nippon Steel & Sumitomo Metal Corporation
2018282457	The General Hospital Corporation	2018286597	X Development LLC
2018282458	ICU Medical, Inc.	2018286598	Biosense Webster (Israel) Ltd.; Acclarent, Inc.
2018282459	Mitsubishi Heavy Industries Engineering, Ltd.	2018286600	Microtech Medical Technologies Ltd.
2018282460	Pierian Biosciences, LLC	2018286601	Deutsches Krebsforschungszentrum; Faulstich, H.
2018282461	SYNERZ MEDICAL, INC.	2018286602	KABUSHIKI KAISHA TOSHIBA
2018282462	Spanton, C.; Posadowski, A.N.	2018286603	NOZOMI NETWORKS SAGL
2018282463	Janssen Vaccines & Prevention B.V.	2018286604	IrvinGQ Limited
2018282464	Rose, A.	2018286605	SMALL, W.K.
2018282465	SEROLA BIOMECHANICS, INC.	2018286606	Icon Plastics Pty Ltd
2018282466	Janssen Pharmaceutica NV	2018286608	Biotie Therapies, Inc.
2018282467	Zimmer, Inc.	2018286611	Becton, Dickinson and Company
2018282468	Tomba Enterprises Pty Ltd	2018286613	Hesheng Co.,Ltd.
2018282469	Atea Pharmaceuticals, Inc.	2018286618	Biosense Webster (Israel) Ltd.

Complete Applications Filed - Numerical Index cont'd

**2018286619** Biosense Webster (Israel) Ltd.  
**2018286620** Southern Seawall Solutions Pty Limited  
**2018286621** Welikala, K.  
**2018286622** The Board of Trustees of the Leland Stanford Junior University; Department of Veterans Affairs  
**2018286623** The Board of Trustees of the Leland Stanford Junior University; Department of Veterans Affairs  
**2018286624** The Board of Trustees of the Leland Stanford Junior University; Department of Veterans Affairs  
**2018286625** The Board of Trustees of the Leland Stanford Junior University; Department of Veterans Affairs  
**2018286626** Synergy Pharmaceuticals Inc.  
**2018286627** ABB Schweiz AG  
**2018286628** JCM American Corporation  
**2018286629** Kevin, D.  
**2019200007** SAMSUNG ELECTRONICS CO., LTD.  
**2019200008** LG Electronics Inc.  
**2019200014** Proxene Tools Co., Ltd.  
**2019200018** LG Electronics Inc.  
**2019200019** LG Electronics Inc.  
**2019200022** Impetux Optics, S.L.  
**2019200023** Progress Profiles SpA  
**2019200031** Seminis Vegetable Seeds, Inc.  
**2019200033** GNT Biotech & Medicals Corporation  
**2019200034** Tkach, J.  
**2019200037** Kolor Magnetic (Shenzhen) Co., Ltd.  
**2019200044** Aurora Flight Sciences Corporation  
**2019200046** Accenture Global Solutions Limited  
**2019200066** INCYTE HOLDINGS CORPORATION  
**2019200075** W. L. Gore & Associates, Inc.  
**2019200086** Matthews, J.



**Innovation Patent Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 1 Jan 2019 .  
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

(71) AL & BEL PTY LTD (21) 2018102117 (22) 21.12.2018 (54) IMPROVED GREETING CARD SYSTEM AND GREETING CARD	(71) Cyberlabs Pty Ltd (21) 2018102106 (22) 20.12.2018 (54) Cyber security assessment tool (31) 2017905169 (32) 22.12.17 (33) AU	gineer only needs login to a web portal and manages all network devices from the portal. With distributed application visibility, all computing/processing is handled by remote device, it is not handled centrally. This architecture can scale to millions of remote devices per server. (31) 2018904636 (32) 06.12.18 (33) AU
(71) Apple Inc. (21) 2018102095 (22) 19.12.2018 (54) Input device with force sensor (62) 2018101271	(71) DAENA INDUSTRIAL IOT PTY LTD (21) 2018102092 (22) 19.12.2018 (54) SELF-POWERED DEVICE MONITORING SYSTEM (62) PCT/AU2017/050523	(71) Hwang, C. (21) 2019100003 (22) 04.01.2019 (54) SOLAR GARDEN LIGHT
(71) Apple Inc. (21) 2018102108 (22) 21.12.2018 (54) Rotary input mechanism for an electronic device (62) 2017228696	(71) eslick, r. (21) 2018102118 (22) 24.12.2018 (54) Paint Roller	(71) iMFLUX Inc. (21) 2018102109 (22) 21.12.2018 (54) Encapsulation shroud for an injection molding machine
<b>Betts, M. see CHARITY CARDS PTY. LIMITED</b> (21) 2018102080	(71) EXODRILL PTY LTD (21) 2018102119 (22) 24.12.2018 (54) DSR Tool	(71) Instyle Contract Textiles Pty Ltd (21) 2018102104 (22) 20.12.2018 (54) Ceiling module (62) 2018253489
(71) CC & S Trading Pty Ltd (21) 2018102115 (22) 21.12.2018 (54) PLINTH	(71) Fedorenko, A. (21) 2018102082 (22) 18.12.2018 (54) A specific type of dimension extending standard functional capabilities beyond slicing and dicing. Applicable for cases when it's required to change behaviour of calculations without redeployment of OLAP solution or full reprocessing.	(71) Kilmallock (ACT) Pty Ltd (21) 2018102073 (22) 17.12.2018 (54) Blind-Type Curtain (62) 2015101931
(71) CHARITY CARDS PTY. LIMITED; Betts, M. (21) 2018102080 (22) 18.12.2018 (54) Electronic Storage and security of life documents from birth certificate, income, expenses, assets, liabilities to insurance policies, retirement plans and will or directions in the event of death or incapacity in a format for the purpose of taxation lending insurance and retirement planning to reduce business and individual costs in financial services and electronic storage fees (31) 2018900011 (32) 03.01.18 (33) AU	(71) Fix-A-Tap Australia Pty Limited (21) 2018102096 (22) 19.12.2018 (54) SAFETY CUT OFF HOSE	(71) Kilmallock (ACT) Pty Ltd (21) 2018102074 (22) 17.12.2018 (54) Curtain Blind (62) 2015101931
(71) COMPETITIVE EDGE TECHNOLOGY PTY LTD (21) 2018102105 (22) 20.12.2018 (54) Method and Technology Components for Migrating (and Maintaining) Personal Data to a Private Permissioned Blockchain from Human Resource Legacy Systems via a Pre-Built Data Platform (31) 2018903133 (32) 24.08.18 (33) AU	(71) Fung, T.C. (21) 2018102088 (22) 18.12.2018 (54) Smart Product Modular Structure (31) 201821342659.5 (32) 20.08.18 (33) CN	(71) Kilmallock (ACT) Pty Ltd (21) 2018102075 (22) 17.12.2018 (54) Blind-type Curtain (62) 2015101931
(71) Cutts, J. (21) 2018102091 (22) 19.12.2018 (54) An infant earmuff retention headband (31) 2018900147 (32) 17.01.18 (33) AU	(71) He, S. (21) 2018102093 (22) 19.12.2018 (54) The cloud based out of band network management, network high availability and distributed application visibility in a box solution changes the current work-flow of out of band network management. It also changes the network application visibility architecture. With cloud based OOB, network en-	(71) Kros Investments Pty Ltd (21) 2018102116 (22) 21.12.2018 (54) ANIMAL-ACTUATED FEEDER AND/OR DRINKER

Innovation Patent Applications Filed - Name Index cont'd

(71) Lahtinen, M.  
(21) 2019100002 (22) 03.01.2019  
(54) A Mineral Processing Apparatus and Method  
(31) 2018900142 (32) 17.01.18 (33) AU

(71) LEADVISION PTY. LTD  
(21) 2018102122 (22) 28.12.2018  
(54) EOI is a single integrated Platform, designed and built to enable digital business transformation with ease, adopting the 4th industrial revolution (AI) & (ML). EOI enables process optimisation with complete agility, and autonomies by the business. The AI is designed with built-in "if-else" scenarios that will auto-detect areas where process optimisation is needed for business improvement. EOI integrated Resource Management increases the efficiency of resource utilisation and performance. EOI built-in predictive analysis via its comprehensive dashboard enables effective macro analysis.

(71) Macau University of Science and Technology  
(21) 2018102089 (22) 18.12.2018  
(54) METHOD OF TREATING ENDOTOXEMIA

(71) Markiz, N.  
(21) 2018102123 (22) 28.12.2018  
(54) Knowledge-based Recommendation System for Infrastructure Project Design

(71) Minifie, G.  
(21) 2018102103 (22) 20.12.2018  
(54) Net Assembly  
(31) 2017905088 (32) 20.12.17 (33) AU

(71) Nestec S.A.  
(21) 2018102079 (22) 18.12.2018  
(54) Gender specific synthetic nutritional compositions and nutritional systems comprising them  
(62) 2015101946

(71) Nestec S.A.  
(21) 2018102081 (22) 18.12.2018  
(54) Gender specific synthetic nutritional compositions and, nutritional systems comprising them  
(62) 2015101947

(71) Nestec S.A.  
(21) 2018102083 (22) 18.12.2018  
(54) Gender specific synthetic nutritional compositions and nutritional systems comprising them  
(62) 2015101946

(71) Nestec S.A.  
(21) 2018102084 (22) 18.12.2018  
(54) Gender specific synthetic nutritional compositions and, nutritional systems comprising them  
(62) 2015101947

(71) Nestec S.A.  
(21) 2018102085 (22) 18.12.2018  
(54) Gender specific synthetic nutritional compositions and nutritional systems comprising them  
(62) 2015101946

(71) Nestec S.A.  
(21) 2018102086 (22) 18.12.2018  
(54) Gender specific synthetic nutritional compositions and nutritional systems comprising them  
(62) 2015101946

(71) Nestec S.A.  
(21) 2018102087 (22) 18.12.2018  
(54) Gender specific synthetic nutritional compositions and nutritional systems comprising them  
(62) 2015101945

(71) Nianah Pty Ltd  
(21) 2018102102 (22) 20.12.2018  
(54) Camper Trailer  
(62) 2017100225

(71) Ocean University of China  
(21) 2019100001 (22) 03.01.2019  
(54) An in-situ test device and method to measure the amount of pollutants released from interior of marine sediments under wave action  
(31) 2018114443605 (32) 29.11.18 (33) CN

(71) Outotec (Finland) Oy  
(21) 2018102111 (22) 21.12.2018  
(54) Method and arrangement for controlling a dewatering process  
(62) 2018100166

(71) OXTI CORPORATION  
(21) 2018102097 (22) 19.12.2018  
(54) MULTIFUNCTIONAL SCREEN TABLE-BODY STRUCTURE CAPABLE OF ACCOMMODATING CARRYING BAG WITH SCREEN

(71) OXTI CORPORATION  
(21) 2018102098 (22) 19.12.2018  
(54) CHARGING DEVICE CAPABLE OF IMPROVING CONTACT EFFECT

(71) Palmer, K.C.  
(21) 2018102090 (22) 15.12.2018  
(54) 3D condom mobile phone application

(71) POLLEN CONSULTING GROUP PTY LTD  
(21) 2018102113 (22) 21.12.2018  
(54) Business Analytics Dashboard A unique circular visual representation of a company's performance using current business information infrastructure. The graphical representation is a combination of multiple circles displaying for each a number of performance indicators. Performances are measured against defined targets for a selected period of time and displayed using advanced mathematical equations to produce a unique aesthetic representation of holistic company performance. This visual representation presents back performances in a simple display using colour coding.

(71) Razer (Asia-Pacific) Pte Ltd.  
(21) 2019100004 (22) 04.01.2019  
(54) COMPUTER MOUSE

(71) Rossi, A.  
(21) 2018102094 (22) 19.12.2018  
(54) Fuel Me.

(71) Sayfa R&D Pty Ltd  
(21) 2018102112 (22) 21.12.2018  
(54) A fall arresting overhead safety rail system

(71) Schwartz, A.  
(21) 2018102101 (22) 20.12.2018  
(54) Improved baby nest  
(31) 2018900021 (32) 04.01.18 (33) AU

(71) Smith, G.  
(21) 2018102114 (22) 21.12.2018  
(54) A PUBLIC INTERFACE FOR IMPROVED BANKING SECURITY, SHARING STATEMENT TRANSACTIONS AS WRITTEN POSITIVE REVIEWS FOR ONLINE MARKETING:

(71) TEKNO NRG PTY LTD  
(21) 2018102107 (22) 20.12.2018  
(54) Bi-directional V2G EV Charging System with Energy Storage System and PV

(71) Tidd Ross Todd Limited  
(21) 2018102100 (22) 20.12.2018  
(54) A STEERING SYSTEM FOR OVERDIMENSION TRAILERS

(71) Woods, D.  
(21) 2018102110 (22) 21.12.2018  
(54) A system for desalinating water at ambient temperatures using low grade heat.

## Innovation Patent Applications Filed - Name Index cont'd

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**(71)** ZHONGSHAN ISTABILIZER PHOTO-  
GRAPHY TECHNOLOGY CO., LTD  
**(21)** 2018102072      **(22)** 17.12.2018  
**(54)** PHOTOGRAPHIC EQUIPMENT BRA-  
CING PIECE  
**(62)** PCT/CN2016/097570

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**(71)** Zhongshan Ophthalmic Center, Sun  
Yat-Sen University  
**(21)** 2018102120      **(22)** 24.12.2018  
**(54)** PREPARATION AND EXPANSION  
METHODS FOR HUMAN PLURIPO-  
TENT STEM CELL-DERIVED HU-  
MAN RETINAL PIGMENT EPITHELIAL  
CELLS  
**(62)** PCT/CN2018/085026

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**(71)** Zhuhai Hermesin Enterprises CO.,LTD  
**(21)** 2019100000      **(22)** 02.01.2019  
**(54)** Novel Dehumidification Bag

**Numerical Index**

<b>2018102071</b>	Forster, B.	<b>2018102100</b>	Tidd Ross Todd Limited
<b>2018102072</b>	ZHONGSHAN STABILIZER PHOTOGRAPHY TECHNOLOGY CO., LTD	<b>2018102101</b>	Schwartz, A.
<b>2018102073</b>	Kilmallock (ACT) Pty Ltd	<b>2018102102</b>	Nianah Pty Ltd
<b>2018102074</b>	Kilmallock (ACT) Pty Ltd	<b>2018102103</b>	Minifie, G.
<b>2018102075</b>	Kilmallock (ACT) Pty Ltd	<b>2018102104</b>	Instyle Contract Textiles Pty Ltd
<b>2018102076</b>	Kilmallock (ACT) Pty Ltd	<b>2018102105</b>	COMPETITIVE EDGE TECHNOLOGY PTY LTD
<b>2018102077</b>	Kilmallock (ACT) Pty Ltd	<b>2018102106</b>	Cyberlabs Pty Ltd
<b>2018102079</b>	Nestec S.A.	<b>2018102107</b>	TEKNO NRG PTY LTD
<b>2018102080</b>	CHARITY CARDS PTY. LIMITED; Betts, M.	<b>2018102108</b>	Apple Inc.
<b>2018102081</b>	Nestec S.A.	<b>2018102109</b>	iMFLUX Inc.
<b>2018102082</b>	Fedorenko, A.	<b>2018102110</b>	Woods, D.
<b>2018102083</b>	Nestec S.A.	<b>2018102111</b>	Outotec (Finland) Oy
<b>2018102084</b>	Nestec S.A.	<b>2018102112</b>	Sayfa R&D Pty Ltd
<b>2018102085</b>	Nestec S.A.	<b>2018102113</b>	POLLEN CONSULTING GROUP PTY LTD
<b>2018102086</b>	Nestec S.A.	<b>2018102114</b>	Smith, G.
<b>2018102087</b>	Nestec S.A.	<b>2018102115</b>	CC & S Trading Pty Ltd
<b>2018102088</b>	Fung, T.C.	<b>2018102116</b>	Kros Investments Pty Ltd
<b>2018102089</b>	Macau University of Science and Technology	<b>2018102117</b>	AL & BEL PTY LTD
<b>2018102090</b>	Palmer, K.C.	<b>2018102118</b>	eslick, r.
<b>2018102091</b>	Cutts, J.	<b>2018102119</b>	EXODRILL PTY LTD
<b>2018102092</b>	DAENA INDUSTRIAL IOT PTY LTD	<b>2018102120</b>	Zhongshan Ophthalmic Center, Sun Yat-Sen University
<b>2018102093</b>	He, S.	<b>2018102122</b>	LEADVISION PTY. LTD
<b>2018102094</b>	Rossi, A.	<b>2018102123</b>	Markiz, N.
<b>2018102095</b>	Apple Inc.	<b>2019100000</b>	Zhuhai Hermesin Enterprises CO.,LTD
<b>2018102096</b>	Fix-A-Tap Australia Pty Limited	<b>2019100001</b>	Ocean University of China
<b>2018102097</b>	OXTI CORPORATION	<b>2019100002</b>	Lahtinen, M.
<b>2018102098</b>	OXTI CORPORATION	<b>2019100003</b>	Hwang, C.
		<b>2019100004</b>	Razer (Asia-Pacific) Pte Ltd.

**Applications with amended filing dates Reg 3.5(A).**

2018226511	<b>elliss, c.</b>	The filing date has been amended to 28.10.2018
2018903908	<b>Rooke, M.</b>	The filing date has been amended to 13.12.2018

**Applications Lapsed, Refused Or Withdrawn, Patents Ceased or Expired**

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

The codes next to each number have the following meanings:

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

**1998**

1998097241 ( 14 )    1998097257 ( 14 )    1998097259 ( 14 )  
 1998098149 ( 14 )    1998098180 ( 14 )    1998098276 ( 14 )

**1999**

1999010009 ( 14 )    1999015011 ( 14 )    1999016530 ( 14 )  
 1999016535 ( 14 )    1999016540 ( 14 )    1999016853 ( 14 )  
 1999016887 ( 14 )    1999017437 ( 14 )    1999017438 ( 14 )  
 1999017732 ( 14 )    1999017737 ( 14 )    1999019077 ( 14 )  
 1999019355 ( 14 )    1999019380 ( 14 )    1999019406 ( 14 )  
 1999019429 ( 14 )    1999019464 ( 14 )    1999019472 ( 14 )  
 1999019931 ( 14 )    1999020081 ( 14 )    1999020084 ( 14 )  
 1999020101 ( 14 )    1999020132 ( 14 )    1999020198 ( 14 )  
 1999020204 ( 14 )    1999020228 ( 14 )    1999020261 ( 14 )  
 1999020266 ( 14 )    1999020642 ( 14 )    1999020820 ( 14 )  
 1999020823 ( 14 )    1999020833 ( 14 )    1999020902 ( 14 )  
 1999020926 ( 14 )    1999020973 ( 14 )    1999020985 ( 14 )  
 1999021636 ( 14 )    1999021946 ( 14 )    1999021949 ( 14 )  
 1999021950 ( 14 )    1999022034 ( 14 )    1999022092 ( 14 )  
 1999022753 ( 14 )    1999022774 ( 14 )    1999022777 ( 14 )  
 1999023071 ( 14 )    1999024157 ( 14 )    1999024186 ( 14 )  
 1999026524 ( 14 )    1999033921 ( 14 )    1999033923 ( 14 )  
 1999033970 ( 14 )    1999035010 ( 14 )    1999035073 ( 14 )

1999035749 ( 14 )    1999035758 ( 14 )    1999040607 ( 14 )  
 1999041282 ( 14 )    1999042691 ( 14 )    1999042783 ( 14 )  
 1999042794 ( 14 )    1999044420 ( 14 )    1999044804 ( 14 )  
 1999044932 ( 14 )    1999045746 ( 14 )    1999045757 ( 14 )  
 1999045789 ( 14 )    1999046750 ( 14 )    1999046820 ( 14 )  
 1999047002 ( 14 )    1999048060 ( 14 )    1999049401 ( 14 )  
 1999049444 ( 14 )    1999050284 ( 14 )

**2000**

2000039364 ( 14 )    2000040839 ( 14 )    2000040842 ( 14 )  
 2000042537 ( 14 )    2000042608 ( 14 )    2000042655 ( 14 )  
 2000052377 ( 14 )    2000053841 ( 14 )    2000054042 ( 14 )  
 2000054860 ( 14 )    2000055295 ( 14 )    2000056083 ( 14 )  
 2000056142 ( 14 )    2000057181 ( 14 )    2000057430 ( 14 )  
 2000057543 ( 14 )    2000057640 ( 14 )    2000058555 ( 14 )  
 2000058638 ( 14 )    2000058778 ( 14 )    2000058858 ( 14 )  
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**2001**

2001051884 ( 14 )    2001051917 ( 14 )    2001083648 ( 14 )  
 2001085753 ( 14 )    2001263972 ( 14 )    2001264059 ( 14 )  
 2001264075 ( 14 )    2001264481 ( 14 )    2001266082 ( 14 )  
 2001266748 ( 14 )    2001266974 ( 14 )    2001268279 ( 14 )  
 2001268397 ( 14 )    2001268706 ( 14 )    2001268714 ( 14 )  
 2001269062 ( 14 )    2001269640 ( 14 )    2001269842 ( 14 )  
 2001270381 ( 14 )    2001273700 ( 14 )    2001279664 ( 14 )  
 2001285764 ( 14 )

**2002**

2002034365 ( 14 )    2002047506 ( 14 )    2002047513 ( 14 )  
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**2003**

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**2011**

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**2012**

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2012273710 ( 14 )	2012273788 ( 14 )	2012274055 ( 14 )	2014283529 ( 14 )	2014284137 ( 4C )	2014284216 ( 14 )
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			2014397180 ( 4C )	2014397432 ( 1B )	2014397499 ( 5C )
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**2013**

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**2014**

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**2015**

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**2016**

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 2016209504 ( 1B ) 2016210614 ( 5C ) 2016210974 ( 1B )  
 2016215095 ( 5C ) 2016216586 ( 5C ) 2016218226 ( 1B )  
 2016222361 ( 5C ) 2016222565 ( 1B ) 2016222597 ( 1B )  
 2016222955 ( 1B ) 2016223466 ( 1B ) 2016223554 ( 1B )  
 2016224876 ( 5C ) 2016224979 ( 1B ) 2016225457 ( 1B )  
 2016228276 ( 5C ) 2016230476 ( 5C ) 2016234980 ( 5C )  
 2016235021 ( 4C ) 2016238841 ( 5C ) 2016238928 ( 5C )  
 2016244219 ( 5C ) 2016247165 ( 5C ) 2016247195 ( 5C )  
 2016247217 ( 5C ) 2016250319 ( 25D ) 2016250345 ( 5C )  
 2016251650 ( 5C ) 2016253543 ( 5C ) 2016256767 ( 5C )  
 2016256787 ( 5C ) 2016256797 ( 5C ) 2016259346 ( 5C )  
 2016261906 ( 5C ) 2016262646 ( 5C ) 2016262718 ( 5C )  
 2016262778 ( 5C ) 2016265959 ( 5C ) 2016265978 ( 5C )  
 2016266024 ( 5C ) 2016266045 ( 5C ) 2016266062 ( 5C )  
 2016266081 ( 5C ) 2016266103 ( 5C ) 2016269532 ( 5C )  
 2016273845 ( 5C ) 2016273861 ( 5C ) 2016273901 ( 5C )  
 2016276964 ( 5C ) 2016277547 ( 5C ) 2016357659 ( 25D )

**2017**

2017101071 ( 22E ) 2017101072 ( 22E ) 2017101085 ( 22E )  
 2017101096 ( 22E ) 2017200022 ( 5C ) 2017200086 ( 5C )  
 2017200188 ( 5C ) 2017200386 ( 5C ) 2017200444 ( 5C )  
 2017200797 ( 5C ) 2017200934 ( 5C ) 2017200993 ( 4C )  
 2017201167 ( 5C ) 2017201291 ( 5C ) 2017201294 ( 5C )  
 2017201373 ( 12C ) 2017201376 ( 5C ) 2017201416 ( 5C )  
 2017201604 ( 5C ) 2017201635 ( 5C ) 2017201720 ( 5C )  
 2017201733 ( 5C ) 2017201744 ( 5C ) 2017201754 ( 5C )  
 2017201756 ( 5C ) 2017201976 ( 5C ) 2017202001 ( 5C )  
 2017202153 ( 5C ) 2017202366 ( 5C ) 2017202483 ( 4C )  
 2017202888 ( 5C ) 2017203093 ( 5C ) 2017203119 ( 5C )  
 2017203124 ( 5C ) 2017203143 ( 5C ) 2017203201 ( 5C )  
 2017203301 ( 5C ) 2017203303 ( 5C ) 2017203374 ( 5C )  
 2017203532 ( 5C ) 2017203664 ( 5C ) 2017203731 ( 5C )  
 2017204152 ( 5C ) 2017204200 ( 5C ) 2017204343 ( 5C )  
 2017204469 ( 5C ) 2017204567 ( 4C ) 2017204736 ( 4C )  
 2017204795 ( 5C ) 2017206155 ( 5CN ) 2017208209 ( 5C )  
 2017208216 ( 5C ) 2017208356 ( 5C ) 2017208360 ( 5C )  
 2017219101 ( 4C ) 2017228693 ( 4A ) 2017228704 ( 5C )  
 2017235904 ( 4C ) 2017261568 ( 5C ) 2017261578 ( 5C )  
 2017261582 ( 4C ) 2017261623 ( 4C ) 2017268560 ( 4C )  
 2017905098 ( 12AN )

**2018**

2018100125 ( 21F ) 2018100166 ( 21F ) 2018100189 ( 21F )  
 2018100310 ( 21F ) 2018100359 ( 21F ) 2018100385 ( 21F )  
 2018100440 ( 21F ) 2018100491 ( 21F ) 2018100515 ( 21F )  
 2018101490 ( 18AN ) 2018101503 ( 18AN ) 2018101544 ( 18AN )  
 2018203232 ( 4C ) 2018204222 ( 1B ) 2018236876 ( 1B )

2018236914 ( 1B ) 2018241047 ( 1B ) 2018241155 ( 1B )  
 2018241164 ( 1B ) 2018241193 ( 7AN ) 2018241211 ( 1B )  
 2018241218 ( 1B ) 2018247205 ( 1B ) 2018247209 ( 1B )  
 2018279028 ( 12AN ) 2018900038 ( 12AN ) 2018900039 ( 12AN )  
 2018900362 ( 12AN ) 2018901573 ( 12AN ) 2018902413 ( 12AN )

**Assignments before Grant, Section 113**

**2004**

2004902937 Hollier, Clinton The application has been assigned to **CMH Products Pty Ltd**

**2013**

2013276345 Angany Genetics The application has been assigned to **Angany Inc.**

**2014**

2014238118 Silver Spring Networks, Inc. The application has been assigned to **Itron Networked Solutions, Inc.**

2014307793 Reckitt Benckiser LLC The application has been assigned to **RB Health (US) LLC**

2014358842 Biserkon Holdings Ltd. The application has been assigned to **ADVANCED TECHNOLOGY ASSETS B.V.**

2014394631 Biserkon Holdings Ltd. The application has been assigned to **ADVANCED TECHNOLOGY ASSETS B.V.**

**2015**

2015216704 Reckitt Benckiser LLC The application has been assigned to **RB Health (US) LLC**

2015229578 Silver Spring Networks, Inc. The application has been assigned to **Itron Networked Solutions, Inc.**

2015229599 Silver Spring Networks, Inc. The application has been assigned to **Itron Networked Solutions, Inc.**

2015231497 Silver Spring Networks, Inc. The application has been assigned to **Itron Networked Solutions, Inc.**

2015273298 The Secretary of State for Business, Innovation & Skills The application has been assigned to **NPL Management Limited**

2015316610 Proximagen Limited The application has been assigned to **PROXIMAGEN, LLC**

2015316611 Proximagen Limited The application has been assigned to **PROXIMAGEN, LLC**

2015317898 Matrix Genetics, LLC The application has been assigned to **Reliance Holding USA, Inc.; Lumen Bioscience, Inc.**

2015321458 Georgia-Pacific Containerboard LLC The application has been assigned to **Juno LLC**

2015328576 Georgia-Pacific Containerboard LLC The application has been assigned to **Juno LLC**



**Assignments before Grant, Section 113**

**2016**

2016242118 Proximagen Limited The application has been assigned to **PROXIMAGEN, LLC**

2016257672 Silver Spring Networks, Inc. The application has been assigned to **Itron Networked Solutions, Inc.**

2016319195 Universität zu Köln The application has been assigned to **Ad Astra ehf**

2016329881 Reckitt Benckiser LLC The application has been assigned to **RB Health (US) LLC**

2016336033 Verton Technologies Australia Pty Ltd The application has been assigned to **Verton IP Pty Ltd**

2016341081 Kreisel Electric GmbH & Co KG The application has been assigned to **Raiffeisenlandesbank Oberösterreich Aktiengesellschaft**

2016344492 Reckitt Benckiser LLC The application has been assigned to **RB Health (US) LLC**

2016367229 Proximagen Group Limited The application has been assigned to **PROXIMAGEN, LLC**

2016378362 Muller, Richard; Muller, Elizabeth The application has been assigned to **Deep Isolation, Inc.**

2016406348 Halliburton Energy Services, Inc. The application has been assigned to **Landmark Graphics Corporation**

**2017**

2017200772 Koninklijke Philips N.V.; Koninklijke Douwe Egberts B.V. The application has been assigned to **Koninklijke Douwe Egberts B.V.**

2017220728 Strongbridge Ireland Limited The application has been assigned to **Strongbridge Dublin Limited**

2017229773 Halimi, Henry The application has been assigned to **FLO TECHNOLOGIES, INC.**

2017268030 Kettels, Trevor; BLK Ventures LLC The application has been assigned to **BLK Ventures LLC**

2017277280 Maher, David P.; Tamir, Michael The application has been assigned to **Intertrust Technologies Corporation**

**2018**

2018247273 Johnsen, Asle The application has been assigned to **Aiwell Holding AS**

2018253537 Tyson Security Pty Limited The application has been assigned to **TNBT HOLDINGS PTY LTD**

2018256579 MoMelan Technologies, Inc. The application has been assigned to **KCI Licensing, Inc.**

**Assignments before Grant, Section 113**

2018256666 Zhang, Lei; Wang, Zhenying; Zhang, Chunli The application has been assigned to **Zhang, Lei**

2018256667 Zhang, Lei; Wang, Zhenying; Zhang, Chunli The application has been assigned to **Zhang, Lei**

2018900411 DPMENG Pty Ltd The application has been assigned to **AIQ Hybrid Pty Ltd**

2018901030 Verton Technologies Australia Pty Ltd The application has been assigned to **Verton IP Pty Ltd**

2018903007 Symons, Ian The application has been assigned to **Prospect Silver Ltd**

2018903974 Monitum Pty Ltd The application has been assigned to **Mthing Pty Ltd**

2018904604 Eiffe, Eleanor; Gunning, Peter; Hardeman, Edna The application has been assigned to **TroBio Therapeutics Pty Ltd**

**Extensions of Time, Section 223**

**Applications Received**

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

**2004**

2004233308 **Itea S.P.A.** An application to extend the time from 22 Apr 2018 to 22 Nov 2018 in which to pay a renewal fee has been filed . Address for service - Griffith Hack GPO Box 4164 Sydney NSW 2001 AU

**2010**

2010234193 **University of Saskatchewan** An application to extend the time from 06 Apr 2017 to 06 Nov 2018 in which to pay a renewal fee has been filed . Address for service - Phillips Ormonde Fitzpatrick L 16 333 Collins St Melbourne VIC 3000 AU

2010246910 **Ausco Modular Pty Limited** An application to extend the time from 12 May 2018 to 12 Dec 2018 in which to pay a renewal fee has been filed . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2012**

2012205257 **KMM Contracting Pty Ltd** An application to extend the time from 20 Jul 2017 to 20 Oct 2018 in which to pay a renewal fee has been filed . Address for service - Watermark Intellectual Property Pty Ltd L 1 109 Burwood Rd Hawthorn VIC 3122 AU

2012268426 **Akebia Therapeutics Inc.** An application to extend the time from 05 Jun 2018 to 05 Jan 2019 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2013**

2013209887 **Mckenna, Elizabeth** An application to extend the time from 16 Aug 2014 to 16 Sep 2018 in which to enter the National Phase

**Extensions of Time, Section 223**

has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2013251635 **IPT LLC** An application to extend the time from 24 Apr 2018 to 24 Dec 2018 in which to pay a renewal fee has been filed . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2013262189 **Chan, M.; Chan, H.** An application to extend the time from 17 May 2018 to 17 Dec 2018 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2013302297 **MTS Consulting Pty Limited** An application to extend the time from 16 Jul 2018 to 16 Sep 2018 in which to request examination has been filed . Address for service - FPA Patent Attorneys Pty Ltd Level 43 101 Collins Street Melbourne VIC 3000 AU

**2014**

2014233803 **Zanotti, M.** An application to extend the time from 17 Jul 2016 to 17 Aug 2018 in which to request examination has been filed . Address for service - Spruson & Ferguson L 24 Tower 2 Darling Park 201 Sussex St Sydney NSW 2000 AU

2014271196 **Intex Holdings Pty Ltd** An application to extend the time from 23 May 2018 to 23 Dec 2018 in which to pay a renewal fee has been filed . Address for service - LESICAR MAYNARD ANDREWS PTY LTD PO BOX 2545 KENT TOWN SA 5071 AU

2014275090 **Walach, M.; Fijalkowski, A.** An application to extend the time from 03 Jun 2018 to 03 Apr 2019 in which to gain acceptance and pay the continuation fee has been filed . Address for service - WRAYS PTY LTD L 20 600 Bourke St Melbourne VIC 3000 AU

**2016**

2016100699 **Direct Injection Systems Pty Ltd** An application to extend the time from 21 May 2018 to 21 Dec 2018 in which to pay a renewal fee has been filed . Address for service - Direct Injection Systems Pty Ltd PO Box 2822 Toowoomba QLD 4350 AU

2016376837 **Homag Bohrsysteme GmbH** An application to extend the time from 21 Jul 2018 to 21 Nov 2018 in which to enter the National Phase has been filed . Address for service - Griffith Hack GPO Box 1285 Melbourne VIC 3001 AU

2016385541 **Wuhan Wuda Zoyon Science And Technology Co., Ltd** An application to extend the time from 15 Aug 2018 to 15 Nov 2018 in which to enter the National Phase has been filed . Address for service - Shelston IP Pty Ltd. L 9 60 Margaret St Sydney NSW 2000 AU

**2018**

2018241220 **SINGH, J.; SINGH, J.S.** An application to extend the time from 16 Feb 2018 to 16 Oct 2018 in which to make a further application for a divisional patent has been filed . Address for service - Griffith Hack L 22 Allendale Square 77 St Georges Terrace Perth WA 6000 AU

**Extensions of Time, Section 223**

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

**2000**

2000018436 **Soundcraft, Inc.** The time in which to pay a renewal fee has been extended to 10 Jul 2018 . Address for service - Davies Collison Cave Pty Ltd 255 Elizabeth Street Sydney NSW 2000 AU

**2006**

2006335096 **Astra Tech, Inc.** The time in which to pay a renewal fee has been extended to 28 Aug 2018 . Address for service - Phillips Ormonde Fitzpatrick L 16 333 Collins St Melbourne VIC 3000 AU

**2008**

2008200832 **Injureeze Australia Pty Ltd.** The time in which to pay a renewal fee has been extended to 22 Sep 2018 . Address for service - The Trustee for Bewick Trust 4 Whitecliffe Sq Iluka WA 6028 AU

**2010**

2010200082 **Dunstan, J.** The time in which to pay a renewal fee has been extended to 08 Aug 2018 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2011**

2011216159 **NITROSET, LLC** The time in which to pay a renewal fee has been extended to 19 Sep 2018 . Address for service - Adam Law Patent & Trade Mark Attorney 26 Glengariff Drive FLOREAT WA 6014 AU

2011219427 **MUV Interactive Ltd.** The time in which to pay a renewal fee has been extended to 23 Oct 2018 . Address for service - Collison & Co Gpo Box 2556 Adelaide SA 5001 AU

**2012**

2012227267 **Anson-Smith, B.** The time in which to pay the renewal fee has been extended to 23 Oct 2017 . Address for service - IP SOLVED (ANZ) PTY. LTD. PO BOX R1791 ROYAL EXCHANGE NSW 1225 AU

**2013**

2013204603 **Stay Wild Pty Ltd** The time in which to pay a renewal fee has been extended to 12 Jan 2019 . Address for service - Allens Patent & Trade Mark Attorneys Deutsche Bank Place Corner Hunter and Phillip Streets SYDNEY NSW 2000 AU

2013237655 **Reed, C.** The time in which to gain acceptance has been extended to 04 Oct 2019 . Address for service - The Trustee for Reed Family Trust U1/70 Payne St Indooroopilly QLD 4068 AU

2013334475 **Future Construction & Civil Pty Ltd** The time in which to gain acceptance has been extended to 03 Oct 2018 . Address for service - Adam Law Patent & Trade Mark Attorney 26 Glengariff Drive FLOREAT WA 6014 AU

2013378566 **SICPA HOLDING SA** The time in which to pay a renewal fee has been extended to 20 Aug 2018 . Address for service - Franke Hyland PO Box 356 North Ryde NSW 1670 AU

**2014**

2014361735 **Munro Engineers Pty Ltd** The time in which to gain acceptance has been extended to 07 Feb 2019 . Address for service - AD-

**Extensions of Time, Section 223**

EPT IP PTY LTD Level 3, 2 Brandon Park Drive Wheelers Hill VIC 3150 AU

**2015**

2015200340 **UPL LIMITED** The time in which to gain acceptance has been extended to 30 Jan 2019 . Address for service - Churchill Attorneys PO BOX 3238 BURNLEY NORTH VIC 3121 AU

2015296885 **Jkp Marine Pty Ltd** The time in which to enter the National Phase has been extended to 28 Aug 2018 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2015353889 **The Procter & Gamble Company** The time in which to pay the acceptance fee has been extended to 16 Dec 2018 . Address for service - Watermark Intellectual Property Pty Ltd L 1 109 Burwood Rd Hawthorn VIC 3122 AU

**2016**

2016219597 **Chan, H.; Chan, M.** The time in which to gain acceptance has been extended to 16 Feb 2019 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2016222271 **Matthews, J.** The time in which to gain acceptance has been extended to 23 Sep 2018 . Address for service - Adam Law Patent & Trade Mark Attorney 26 Glengariff Drive FLOREAT WA 6014 AU

2016228918 **Paulus, Antoine Marcel** The time in which to enter the National Phase has been extended to 10 May 2018 . Address for service - FOUNDRY INTELLECTUAL PROPERTY PTY LTD PO Box Q1466 Queen Victoria Building NSW 1230 AU

2016247115 **Illinois Tool Works Inc.** The time in which to pay the acceptance fee has been extended to 07 Oct 2018 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2016256676 **NITROSET, LLC** The time in which to pay a continuation fee has been extended to 19 Sep 2018 . Address for service - Adam Law Patent & Trade Mark Attorney 26 Glengariff Drive FLOREAT WA 6014 AU

**2017**

2017203394 **Smart Medical Systems Ltd** The time in which to pay a continuation fee has been extended to 09 Oct 2018 . Address for service - Lord & Company PO Box 530 West Perth WA 6872 AU

2017203585 **Mars, Incorporated** The time in which to pay a continuation fee has been extended to 22 Aug 2018 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2017203860 **Mannkind, Corp** The time in which to pay a renewal fee has been extended to 07 Sep 2018 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2017216594 **Kido, T.** The time in which to pay the continuation fee has been extended to 12 Aug 2018 . Address for service - Adams Pluck PO Box 905 HORNSBY NSW 2077 AU

2017251790 **Vapotherm, Inc.** The time in which to pay a continuation fee has been extended to 23 Oct 2018 . Address for service - Pizzeys

**Extensions of Time, Section 223**

Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

**2018**

2018101106 **Azumah, G.** The time in which to associate with a complete application has been extended to 19 Aug 2018 . Address for service - George Maclean Azumah 39 domain st Palmerston ACT 2913 AU

2018229509 **Kratzmann, J.; Mansbridge, K.** The time in which to request examination has been extended to 25 Dec 2018 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2018267592 **McCOUBREY, N.** The time in which to make a further application for a divisional patent has been extended to 20 Nov 2018 . Address for service - Walsh & Associates Locked Bag 2011 Glebe Post Office GLEBE NSW 2037 AU

2018279002 **Bright Light Systems, Inc.** The time in which to make a further application for a divisional patent has been extended to 13 Jan 2019 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

**Section 223(1) Allowances**

**2008**

2008340276 **MicroVention, Inc.** The time in which to pay a renewal fee has been extended to 19 Aug 2018

**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.

**2008**

2008272900 System and method for generating time-slot samples to which content may be assigned for measuring effects of the assigned content **3M Innovative Properties Company** The nature of the amendment is: Amend the name of the inventors to read Canavan, Michael Kelly; Brooks, Brian E. and Arsenault, Frederick J. . Address for service - Davies Collison Cave Pty Ltd Level 14 255 Elizabeth Street Sydney NSW 2000 AU

**2010**

2010313785 Fast dissolving solid dosage form **iX Biopharma Ltd** The nature of the amendment is as shown in the statement(s) filed 19 Nov 2018 . Address for service - Wrays L7 863 Hay St Perth WA 6000 AU

**2012**

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

**Amendments**

Dec 2018 . Address for service - FPA Patent Attorneys Pty Ltd L 43 101 Collins St Melbourne VIC 3000 AU

2012323311 Rotary knife fixture for cutting spiral, textured potato pieces **J.R. Simplot Company** The nature of the amendment is as shown in the statement(s) filed 17 Dec 2018 . Address for service - Madderns Patent & Trade Mark Attorneys GPO Box 2752 ADELAIDE SA 5001 AU

2012369247 User equipment, network node and methods therein for determining a transport block size in downlink transmissions in a telecommunications system **Telefonaktiebolaget L M Ericsson (publ)** The nature of the amendment is as shown in the statement(s) filed 18 Dec 2018 . Address for service - Watermark Intellectual Property Pty Ltd L 1 109 Burwood Rd Hawthorn VIC 3122 AU

**2013**

2013200682 Fast Dissolving Solid Dosage Form **iX Biopharma Ltd** The nature of the amendment is as shown in the statement(s) filed 19 Nov 2018 . Address for service - Wrays L7 863 Hay St Perth WA 6000 AU

**2014**

2014203481 Heat-dissipating structure having embedded support tube to form internally recycling heat transfer fluid and application apparatus **Yang , T.** The nature of the amendment is: Amend the priority details to read 13/927,240 26 Jun 2013 US . Address for service - Davies Collison Cave Pty Ltd Level 14 255 Elizabeth Street Sydney NSW 2000 AU

2014224205 Lipids and lipid compositions for the delivery of active agents **Novartis AG** The nature of the amendment is as shown in the statement(s) filed 18 Dec 2018 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2014244341 Methods and devices for patellar resurfacing treatment **Zimmer Knee Creations, Inc.** The nature of the amendment is as shown in the statement(s) filed 19 Dec 2018 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 Collins Street West VIC 8007 AU

2014247188 Beta-hairpin peptidomimetics **Polyphor AG** The nature of the amendment is as shown in the statement(s) filed 13 Dec 2018 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2014247189 Beta-hairpin peptidomimetics **Polyphor AG** The nature of the amendment is as shown in the statement(s) filed 12 Dec 2018 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2014261043 Method for ultra-dehydrating thickened or pasty biomass products, and equipment for implementing the method **Suez International ; Terranova Energy GMBH** The nature of the amendment is: Amend the name of the inventors to read Pardo, Pierre Emmanuel; Judenne, Eric and Buttman, Marc . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2014266990 Security documents and methods of manufacture thereof **De La Rue International Limited** The nature of the amendment is as shown in the statement(s) filed 09 Nov 2018 . Address for ser-

**Amendments**

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

**2015**

2015247575 Polycyclic hERG activators **Novartis AG** The nature of the amendment is as shown in the statement(s) filed 18 Dec 2018 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2015266797 Tri-Specific Binding Molecules that specifically bind to multiple Cancer Antigens and methods of use thereof **Macrogenics, Inc.** The nature of the amendment is as shown in the statement(s) filed 12 Dec 2018 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2015273708 Friction bolt **Sandvik Intellectual Property AB** The nature of the amendment is as shown in the statement(s) filed 13 Dec 2018 . Address for service - Griffith Hack GPO Box 4164 Sydney NSW 2001 AU

2015316125 Modular safety razor with adjustable blade angle **Rockwell Razors Corporation** The nature of the amendment is as shown in the statement(s) filed 13 Dec 2018 . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2015325329 CARBONATED BEVERAGE, SYRUP USED FOR PREPARING CARBONATED BEVERAGE, METHOD FOR MANUFACTURING CARBONATED BEVERAGE, AND METHOD FOR SUPPRESSING FOAMING IN CARBONATED BEVERAGE **Suntory Holdings Limited** The nature of the amendment is as shown in the statement(s) filed 30 Nov 2018 . Address for service - Davies Collison Cave Pty Ltd 1 Nicholson ST Melbourne VIC 3000 AU

2015373431 Method and apparatus for cooling down a cryogenic heat exchanger and method of liquefying a hydrocarbon stream **Shell Internationale Research Maatschappij B.V.** The nature of the amendment is as shown in the statement(s) filed 27 Nov 2018 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2016**

2016251940 Crystalline forms of 1-((2R,4R)-2-(1H-benzod[*j*]imidazol-2-yl)-1-methylpiperidin-4-yl)-3-(4-cyanophenyl)urea maleate **Pfizer Inc.** The nature of the amendment is as shown in the statement(s) filed 14 Dec 2018 . Address for service - Allens Patent & Trade Mark Attorneys Deutsche Bank Place Corner Hunter and Phillip Streets SYDNEY NSW 2000 AU

2016264496 Custom communication channels for application deployment **Amazon Technologies, Inc.** The nature of the amendment is as shown in the statement(s) filed 06 Dec 2018 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 Collins Street West VIC 8007 AU

**2017**

2017200953 High density aqueous well fluids **Albemarle Corporation** The nature of the amendment is as shown in the statement(s) filed 04 Dec 2018 . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2017202080 ROTARY KNIFE FIXTURE FOR CUTTING SPIRAL, TEXTURED POTATO PIECES **J.R. Simplot Company** The nature of the amendment is as shown in the statement(s) filed 19 Dec 2018 .

**Amendments**

Address for service - Madderns Patent & Trade Mark Attorneys GPO  
Box 2752 ADELAIDE SA 5001 AU

2017203668 Intelligent task discovery **Apple Inc.** The nature of the amendment is as shown in the statement(s) filed 20 Dec 2018. Address for service - FPA Patent Attorneys Pty Ltd ANZ Tower 161 Castlereagh Street Sydney NSW 2000 AU

**2018**

2018101344 Method of eluting an anion exchange resin loaded with uranium **Australian Nuclear Science and Technology Organisation** The nature of the amendment is: Amend the name of the inventor to read QUINN, James; SOLDENHOFF, Karin and BRENNAN, Ashley. Address for service - Davies Collison Cave Pty Ltd Level 14 255 Elizabeth Street Sydney NSW 2000 AU

**Amendments Made****2003**

2003273218 **Genentech, Inc.; F. Hoffmann - La Roche AG** The nature of the amendment is as shown in the statement(s) filed 06 Sep 2018

**2009**

2009210545 **GENENTECH, INC.** The nature of the amendment is as shown in the statement(s) filed 06 Sep 2018

**2012**

2012307022 **Avale Enterprises Pty Ltd** The nature of the amendment is: Amend the name of the inventor to read Le, Vu and Mahdavi, Abtin

**2013**

2013203272 **Agriculture Victoria Services Pty Ltd** The nature of the amendment is as shown in the statements filed 08 Jun 2018 and 31 August 2018

2013215539 **Caterpillar Inc.** The nature of the amendment is: Amend the name of the inventor to read Subrt, Michael C.; Zhu, Yongliang; Kolstad, Owen C. and Sharma, Amit

2013296564 **Hantash, B.** The nature of the amendment is as shown in the statement filed 20 Sep 2018

2013308595 **Amgen Inc.** The nature of the amendment is as shown in the statement(s) filed 28 Aug 2018

2013312218 **Respiratory Motion, Inc.** The nature of the amendment is as shown in the statement filed 27 Sep 2018

2013370982 **Boehringer Ingelheim Vetmedica GmbH** The nature of the amendment is as shown in the statement filed 20 Jul 2018

2013371146 **CrystalGenomics, Inc.** The nature of the amendment is as shown in the statement filed 24 Sep 2018

2013378163 **J. S. Pasricha Enterprises, LLC** The nature of the amendment is as shown in the statement filed 09 Oct 2018

**Amendments****2014**

2014214561 **Mitokinin LLC; The Regents of the University of California** The nature of the amendment is as shown in the statement(s) filed 17 May 2018

2014216440 **Corbus Pharmaceuticals, Inc.** The nature of the amendment is: Amend the name of the inventor to read Tepper, Mark; Frey, Dean A.; Goeddel, David and Reineke, Karl E.

2014229082 **Midway Pharmaceuticals, Inc.; Board of Trustees of Michigan State University** The nature of the amendment is as shown in the statement filed 21 Sep 2018

2014234962 **Commonwealth Scientific and Industrial Research Organisation** The nature of the amendment is as shown in the statement filed 17 Sep 2018

2014236370 **City of Hope; National and Kapodistrian University of Athens** The nature of the amendment is as shown in the statement filed 04 Oct 2018

2014238546 **BiocerOX Products B.V.; Janssen Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement filed 08 Oct 2018

2014250836 **Asana BioSciences, LLC** The nature of the amendment is as shown in the statement filed 03 Oct 2018

2014281702 **Raptor Pharmaceuticals, Inc.; The Regents of the University of California** The nature of the amendment is: Amend the name of the inventor to read Powell, Kathlene; Muttavarapu, Ramesh and DOHIL, Ranjan

2014281702 **Raptor Pharmaceuticals, Inc.; The Regents of the University of California** The nature of the amendment is: To add a co-applicant in the name of The Regents of the University of California

2014305646 **CSL Limited** The nature of the amendment is as shown in the statements filed 22 Aug 2018, 07 Sep 2018 and 26 Sep 2018

2014319100 **Advantec Sensing AS** The nature of the amendment is: Amend the invention title to read Apparatus and method for connecting a cable to a high temperature circuit

2014324593 **Alphapointe; The Government of the United States as represented by The Secretary of the Army** The nature of the amendment is as shown in the statement filed 15 Jun 2018

2014368949 **Visa International Service Association** The nature of the amendment is: Amend the name of the inventor to read Wong, Erick; Flurschein, Christian; Makhotin, Oleg; Lopez, Eduardo; Sharma, Sanjeev; Jones, Christopher; Guglani, Abhishek; Sevanto, Jarkko Os-kari; Patel, Bharatkumar; Or, Tai Lung Burnnet; Ngo, Hao; Aabye, Christian and Sheets, John F.

2014368992 **Takeda Pharmaceutical Company Limited** The nature of the amendment is as shown in the statement filed 19 Sep 2018

**Amendments**

2014409112 **Landmark Graphics Corporation** The nature of the amendment is: Amend the name of the inventor to read Aniket, Samuel, Robello and Dursun, Serkan

**2015**

2015200330 **Gliknik Inc.** The nature of the amendment is: Amend the patentee name to Gliknik Inc.

2015219463 **Microsoft Technology Licensing, LLC** The nature of the amendment is: Amend the invention title to read Localization of a wireless user equipment device in a target zone

2015245728 **Nestec S.A.** The nature of the amendment is: Application is to proceed under the number 2015101939

2015248784 **proionic GmbH** The nature of the amendment is as shown in the statement filed 29 Aug 2018

2015253478 **Instrumentation Laboratory Company** The nature of the amendment is as shown in the statement(s) filed 25 Jul 2018 and 17 Sep 2018

2015271689 **Fred Hutchinson Cancer Research Center** The nature of the amendment is as shown in the statement filed 26 Sep 2018

2015273432 **Hyglos Invest GmbH** The nature of the amendment is as shown in the statement filed 10 Oct 2018

2015294954 **Nestec S.A.** The nature of the amendment is as shown in the statement filed 08 Oct 2018

2015340556 **Inventio AG** The nature of the amendment is: Amend the name of the inventor to read Püntener, Urs

2015349641 **Johnson, R.; Hines, B.; Hamacher, G.; Neff, R.; Gregory, C.** The nature of the amendment is: Amend the name of the inventor to read Johnson, Richard Lee; Hines, Braden Eric; Hamacher, Guido; Neff, Russ and Bailey, John Terry

**2016**

2016206316 **Indiana University Research & Technology Corporation** The nature of the amendment is as shown in the statement filed 05 Oct 2018

2016206974 **Instrumentation Laboratory Company** The nature of the amendment is as shown in the statements filed 28 Sep 2018 and 12 October 2018

2016211569 **Crown Equipment Corporation** The nature of the amendment is as shown in the statement(s) filed 05 Oct 2018

2016216347 **Komatsu Ltd.** The nature of the amendment is: Amend the invention title to read Evaluation device and evaluation method

2016222142 **Kuang Yu Metal Working Co., Ltd.** The nature of the amendment is: Amend the invention title to read EXERCISING DEVICE AND OPERATING METHOD THEREOF

**Amendments**

2016224354 **Komatsu Ltd.** The nature of the amendment is: Amend the invention title to read Evaluation apparatus and evaluation method

2016244192 **Trudell Medical International; The University of Western Ontario** The nature of the amendment is as shown in the statement filed 13 Sep 2018

2016248421 **DENSO CORPORATION** The nature of the amendment is as shown in the statement(s) filed 06 Aug 2018

2016259212 **Weatherford Technology Holdings, LLC** The nature of the amendment is as shown in the statement filed 25 Sep 2018

2016298208 **Stryker Corporation** The nature of the amendment is: Amend the name of the inventor to read Horton IV, John Coleman; Bernero, John; Brown, Steven; Diehl, Eric; Roy, Shammodip; Babaris, Robin; Lynch, Robert and Thelen, Adam

2016306304 **University of Virginia Patent Foundation; The University Of Birmingham** The nature of the amendment is: Amend the invention title to read IDENTIFICATION OF CLASS I MHC ASSOCIATED GLYCOPEPTIDES AS TARGETS FOR CANCER IMMUNOTHERAPY

2016340167 **AbbVie Inc.** The nature of the amendment is: Amend the name of the inventor to read Allian, Ayman D.; Jayanth, Jayanth; Mohamed, Mohamed-Eslam F.; Mulhern, Mathew M.; Nordstrom, Fredrik Lars; Othman, Ahmed A.; Rozema, Michael J.; Bhagavatula, Lakshmi; Marroum, Patrick J.; Mayer, Peter T.; Sheikh, Ahmad Y.; Borchardt, Thomas B. and Klünder, Ben

2016354590 **PDS Biotechnology Corporation** The nature of the amendment is: Amend the name of the inventor to read Bedu-Addo, Frank; Conn, Greg; Gandhapudi, Siva K.; Ward, Martin and Woodward, Jerold

2016377856 **thyssenkrupp Industrial Solutions AG; thyssenkrupp AG; indurad GmbH** The nature of the amendment is: Amend the name of the co-applicant to read Thyssenkrupp Industrial Solutions AG

2016403554 **iGeneTech Biotech (Beijing) Co., Ltd.** The nature of the amendment is: Application is to proceed under the number 2016102398

2016405379 **Igenetech Biotech (Beijing) Co., Ltd.** The nature of the amendment is: Application is to proceed under the number 2016102399

2016406180 **NKT HV Cables GmbH** The nature of the amendment is as shown in the statement filed 11 Dec 2018

2016407875 **Glority Ltd.** The nature of the amendment is: Amend the invention title to read Sheet information collection device and sheet information collection method

2016408910 **Mitsubishi Electric Corporation** The nature of the amendment is: Amend the invention title to read Position matching device, position matching method, and position matching program

**Amendments**

2016413288 **Lo, P.** The nature of the amendment is: Application is to proceed under the number 2016102400

2016415408 **Shandong Luye Pharmaceutical Co., Ltd.** The nature of the amendment is: Amend the invention title to read ROTIGOTINE BEHENATE, AND PREPARATION METHOD AND USE THEREOF

**2017**

2017200067 **Phytogen Seed Company LLC** The nature of the amendment is as shown in the statement filed 14 Sep 2018

2017200371 **Weatherford Technology Holdings, LLC** The nature of the amendment is as shown in the statement filed 18 Sep 2018

2017202564 **BiocerOX Products B.V.** The nature of the amendment is: Amend the name of the Co inventor/s to read SIMONS, Petrus Johannes and BOON, Louis

2017202755 **Gilead Sciences, Inc.** The nature of the amendment is as shown in the statement filed 03 Oct 2018

2017203633 **Medrobotics Corporation** The nature of the amendment is as shown in the statement filed 25 Sep 2018

2017204074 **Dolby International AB** The nature of the amendment is as shown in the statement filed 05 Oct 2018

2017204787 **Novozymes Bioag A/S** The nature of the amendment is as shown in the statement filed 27 Sep 2018

2017217455 **Equality Cosmetics, Inc.** The nature of the amendment is as shown in the statement filed 13 Sep 2018

2017260466 **The Regents of the University of Colorado, a body corporate** The nature of the amendment is as shown in the statement filed 03 Dec 2018

2017266497 **Edwards Limited** The nature of the amendment is: Application is to proceed under the number 2017101844

2017267625 **Teleflex Life Sciences Unlimited Company** The nature of the amendment is: Amend the name of the inventor to read Ramot, Yair; Amar, Eizik and ZACHAR, Oron

2017267625 **Teleflex Life Sciences Unlimited Company** The nature of the amendment is: Amend the invention title to read Catheter dynamic tip occlusion

2017269610 **Gries, G.** The nature of the amendment is: Amend the invention title to read ATTRACTANTS FOR RODENTS

2017270979 **Guangzhou Xaircraft Technology Co., Ltd** The nature of the amendment is: Amend the invention title to read Method and Device for Controlling Flight of Unmanned Aerial Vehicle and Remote Controller

2017271990 **Gilead Sciences, Inc.** The nature of the amendment is: Amend the name of the inventor to read Gaggar, Anuj and Subramanian, G. Mani

**Amendments**

2017273169 **Samsung Life Public Welfare Foundation** The nature of the amendment is: Amend the invention title to read Method for screening antibody using patient-derived tumor spheroids

2017275081 **Eiken Kagaku Kabushiki Kaisha** The nature of the amendment is as shown in the statement(s) filed 04 Dec 2018 and 20 Dec 2018

2017277281 **University of Minnesota; Lawrence Livermore National Security, LLC** The nature of the amendment is as shown in the statement filed 20 Dec 2018

2017277600 **UCB Biopharma SPRL** The nature of the amendment is as shown in the statement filed 11 Dec 2018

2017277985 **Dow AgroSciences LLC** The nature of the amendment is as shown in the statement(s) filed 17 Dec 2018

2017289220 **CarbonX B.V.** The nature of the amendment is as shown in the statement filed 18 Dec 2018

2017289317 **Janssen Pharmaceutica NV** The nature of the amendment is: Amend the name of the inventor to read Stansfield, Ian; Querolle, Olivier Alexis Georges; Ligny, Yannick Aime Eddy; Gross, Gerhard Max; Jacoby, Edgar; Meerpoel, Lieven; Green, Simon Richard; Hynd, George; Kulagowski, Janusz Jozef; Macleod, Calum and Mann, Samuel Edward

2017289782 **GC Corporation** The nature of the amendment is: Amend the invention title to read Packaging body for viscous dental material

2017291842 **Board of Regents, the University of Texas System** The nature of the amendment is: Amend the invention title to read HUMAN-ENZYME MEDIATED DEPLETION OF CYSTINE

**2018**

2018101381 **Electrolux Home Products Corporation N.V.** The nature of the amendment is: Amend the name of the inventor to read SPECHT, Trevor; SCHUTZ, Tobias; WALZLEIN, Klaus; WITTMANN, Michael and HIMMELEIN, Benjamin

2018236898 **Deere & Company** The nature of the amendment is: Amend the priority details to read 62/578,591 30 Oct 2017 US and 15/996,871 04 Jun 2018 US

2018282259 **Applied Explosives Technology Pty Limited** The nature of the amendment is: Amend Divisional Details to read: 2016225950

2018282340 **Mason, C.** The nature of the amendment is: Amend Divisional Details to read: 2017279623

2018282366 **Indigo Agriculture, Inc.; Indigo AG, Inc.** The nature of the amendment is: Amend the name of the inventor to read Von Maltzahn, Geoffrey; Toledo, Gerardo V.; Djonovic, Slavica; Marquez, Luis Miguel; Johnston, David Morris; Millet, Yves Alain; Lyford, Jeffrey; Sadowski, Craig; Samayoa, Phillip; Flavell, Richard Bailey; Leff, Jonathan W.; Ambrose, Karen V. and Zhang, Xuecheng

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

**Amendments**

**2000**

2000014892 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2000015326 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2000021258 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2000258803 Avocent Corporation The name of the patentee has been altered to **Vertiv IT Systems, Inc.**

**2001**

2001021240 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2001024896 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2001097055 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2001275616 Cattron Intellectual Property Corporation The name of the patentee has been altered to **Cattron-Theimeg, Inc.**

**2002**

2002220362 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2002231456 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2002233025 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2002315917 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2002324018 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2002325399 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

**2003**

2003203832 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2003203833 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2003203835 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

**Amendments**

2003203836 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2003204620 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

**2004**

2004201221 Whitmire Micro-gen Research Laboratories, Inc. The name of the patentee has been altered to **BASF Corporation**

2004212633 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2004216918 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2004248855 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2004292336 ResMed Limited The name of the patentee has been altered to **ResMed Limited**

2004292337 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2004292338 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2004308535 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2004308536 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2004308537 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2004313613 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2004319708 Neptune-Benson, LLC The name of the applicant has been altered to **Neptune Benson, Inc.**

**2005**

2005211828 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2005253641 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2005256138 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2005301097 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2005304270 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**



**Amendments**

2005318949 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

**2006**

2006200833 Whitmire Micro-gen Research Laboratories, Inc. The name of the patentee has been altered to **BASF Corporation**

2006201573 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2006206040 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2006206042 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2006255476 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2006303816 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

**2007**

2007201783 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2007202555 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2007222882 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2007231860 Whitmire Micro0gen Research Laboratories, Inc. The name of the patentee has been altered to **BASF Corporation**

2007291951 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2007317198 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

**2008**

2008201916 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2008203812 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2008221506 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2008251011 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2008316306 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

**Amendments**

2008323541 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

**2009**

2009200357 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2009200879 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2009203204 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2009221630 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2009221639 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2009230737 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2009238305 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2009256467 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2009291491 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2009294660 PROXIMAGEN LIMITED The name of the patentee has been altered to **BENEVOLENTAL CAMBRIDGE LIMITED**

2009326861 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

**2010**

2010201899 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2010202144 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2010206053 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2010206082 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2010213352 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2010214658 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2010241520 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

**Amendments**

2010248938 Gliknik, Inc. The name of the patentee has been altered to **Gliknik Inc.**

2010249207 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2010249318 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2010251884 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2010257238 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2010311388 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2010317611 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

**2011**

2011200996 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2011202209 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2011242562 Viamet Pharmaceuticals (NC), Inc The name of the patentee has been altered to **Mycovia Pharmaceuticals, Inc.**

2011257209 PetrolValves S.r.l. The name of the patentee has been altered to **Petrolvalves S.p.A.**

2011292033 MPC, Inc. The name of the patentee has been altered to **CECO ENVIRONMENTAL IP INC.**

2011325872 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2011334593 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

**2012**

2012201085 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2012211031 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2012216551 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2012258376 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2012261592 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

**Amendments**

2012269735 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2012312529 Mount Sinai School of Medicine The name of the patentee has been altered to **Icahn School of Medicine at Mount Sinai**

2012334808 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2012334820 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2012339622 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

**2013**

2013201312 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2013201315 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2013201490 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2013206648 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2013212534 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2013213685 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2013247403 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2013257413 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2013257426 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2013257505 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2013284348 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2013296145 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2013351120 PetrolValves S.r.l. The name of the patentee has been altered to **Petrolvalves S.p.A.**

**2014**

2014101449 Amylex Pharmaceuticals, Inc The name of the patentee has been altered to **Amylex Biotech**

**Amendments**

2014200366 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2014201197 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2014202899 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2014204454 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2014207243 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2014207247 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2014209141 Palvella Therapeutics LLC The name of the patentee has been altered to **Palvella Therapeutics, Inc.**

2014213016 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2014218465 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2014224161 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2014231714 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2014246586 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2014246587 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2014252758 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2014277723 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2014281702 Raptor Pharmaceuticals, Inc.; The Regents of the University of California The name of the applicant has been altered to **Horizon Orphan LLC; The Regents of the University of California**

2014292823 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2014301955 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2014332200 Bristol-Myers Squibb Holdings Ireland The name of the applicant has been altered to **Bristol-Myers Squibb Holdings Ireland Unlimited Company**

**Amendments**

2014412015 Alfred E. Mann Foundation for Scientific Research The name of the patentee has been altered to **Monolythix, Inc.; The Alfred E. Mann Foundation for Scientific Research**

**2015**

2015200781 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2015200813 Resiweb Limited The name of the applicant has been altered to **Senterprisys Limited**

2015200915 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2015202999 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2015203513 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2015204360 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2015205927 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2015230749 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2015231226 Viamet Pharmaceuticals (NC), Inc.; The United States of America, as represented by the Secretary, Department of Health & Human Services The name of the applicant has been altered to **Mycovia Pharmaceuticals, Inc.; The United States of America, as represented by the Secretary, Department of Health & Human Services**

2015231275 Viamet Pharmaceuticals (NC), Inc The name of the applicant has been altered to **Mycovia Pharmaceuticals, Inc.**

2015238868 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2015238920 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2015249041 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2015264928 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2015356793 Rexam Beverage Can Europe Limited; Rexam Beverage Can South America S.A. The name of the patentee has been altered to **Ball Beverage Packaging Europe Limited; Ball Beverage Can South America S.A.**

**2016**

2016201534 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

**Amendments**

2016202494 Neptune-Benson, LLC The name of the applicant has been altered to **Neptune Benson, Inc.**

2016203725 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2016204360 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2016208257 Amylex Pharmaceuticals, Inc The name of the patentee has been altered to **Amylex Biotech**

2016210611 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2016222397 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2016233113 Viamet Pharmaceuticals (NC), Inc The name of the applicant has been altered to **Mycovia Pharmaceuticals, Inc.**

2016259285 ResMed Limited The name of the applicant has been altered to **ResMed Pty Ltd**

2016270739 Neptune-Benson, LLC The name of the applicant has been altered to **Neptune Benson, Inc.**

2016277560 AMB i.t. Holding B.V. The name of the applicant has been altered to **MYLAPS B.V.**

2016364101 CSR Yangtze Co., Ltd. The name of the applicant has been altered to **CRRC YANGTZE CO., LTD.**

2016403142 Suntory Holdings Limited; S.I.P.A. Societa'industrializzazione Progettazione e Automazione S.p.A.; ER-EMA Engineering Recycling Maschinen und Anlagen Gesellschaft m.b.H.; Kyoei Industry Co., Ltd. The name of the applicant has been altered to **SUNTORY HOLDINGS LIMITED; KYOEI INDUSTRY CO., LTD.**

2016406837 Saito Koji The name of the applicant has been altered to **Koji Saito**

**2017**

2017200515 Gliknik, Inc. The name of the patentee has been altered to **Gliknik Inc.**

2017201346 ResMed Limited The name of the patentee has been altered to **ResMed Pty Ltd**

2017203609 ResMed Limited The name of the applicant has been altered to **ResMed Pty Ltd**

2017215605 Gree Electric Appliances, Inc. of Zhuhai The name of the applicant has been altered to **Gree Electric Appliances, Inc.**

2017225905 Nicholas, Michael; Nicholson-Perry, Kathryn; Newton-John, Toby; Ketsimur, Catherine; Trifecta Brace Pty Limited The

**Amendments**

name of the applicant has been altered to **Recovery App Pty Ltd; Nicholas, M.; Nicholson-Perry, K.; Newton-John, T.; Ketsimur, C.**

2017232080 Viamet Pharmaceuticals (NC), Inc The name of the applicant has been altered to **Mycovia Pharmaceuticals, Inc.**

2017251845 ResMed Limited The name of the applicant has been altered to **ResMed Pty Ltd**

2017393428 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.**

2017904590 RESMED LIMITED The name of the applicant has been altered to **ResMed Pty Ltd**

2017905137 RESMED LIMITED The name of the applicant has been altered to **ResMed Pty Ltd**

**2018**

2018201283 ResMed Limited The name of the applicant has been altered to **ResMed Pty Ltd**

2018201658 ResMed Limited The name of the applicant has been altered to **ResMed Pty Ltd**

2018202388 Mount Sinai School of Medicine The name of the applicant has been altered to **Icahn School of Medicine at Mount Sinai**

2018204624 ResMed Limited The name of the applicant has been altered to **ResMed Pty Ltd**

2018223034 ResMed Limited The name of the applicant has been altered to **ResMed Pty Ltd**

2018267671 ResMed Limited The name of the applicant has been altered to **ResMed Pty Ltd**

2018278937 zhen chuan kang The name of the applicant has been altered to **Control wizard Pty Ltd**

2018900389 RESMED LIMITED The name of the applicant has been altered to **ResMed Pty Ltd**

2018900444 RESMED LIMITED The name of the applicant has been altered to **ResMed Pty Ltd**

2018900477 RESMED LIMITED The name of the applicant has been altered to **ResMed Pty Ltd**

2018900674 RESMED LIMITED The name of the applicant has been altered to **ResMed Pty Ltd**

2018900724 RESMED LIMITED; University of Technology Sydney The name of the applicant has been altered to **ResMed Pty Ltd; University of Technology Sydney**

2018901147 RESMED LIMITED The name of the applicant has been altered to **ResMed Pty Ltd**

**Amendments**

2018901975 RESMED LIMITED The name of the applicant has been altered to **ResMed Pty Ltd**

2018902751 Supercool Asia Pacific Pty Ltd; Unicia International Limited The name of the applicant has been altered to **Supercool Asia Pacific Pty Ltd; Unicia International Limited**

2018903109 RESMED LIMITED The name of the applicant has been altered to **ResMed Pty Ltd**

2018903114 RESMED LIMITED The name of the applicant has been altered to **ResMed Pty Ltd**

2018903377 Waugh & Son The name of the applicant has been altered to **Waugh Quality Imports Pty Ltd**

2018903562 RESMED LIMITED The name of the applicant has been altered to **ResMed Pty Ltd**

2018903634 RESMED LIMITED The name of the applicant has been altered to **ResMed Pty Ltd**

2018903752 RESMED LIMITED The name of the applicant has been altered to **ResMed Pty Ltd**

Applications Open to Public Inspection

Name Index

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

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(71) 2 Be Different Pty Ltd  
 (11) AU-A-2017204493  
 (21) 2017204493 (22) 30.06.2017  
 (54) Multi-reversible cushion and pillow cover  
 (51) Int. Cl.  
**A47G 9/10** ( 2006.01 )  
**A47C 31/10** ( 2006.01 )  
 (43) 17.01.2019  
 (72) Strauss, Ivy Booker  
 (74) Watermark Intellectual Property Pty Ltd

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(71) AbbVie Stemcentrx LLC  
 (11) AU-A-2018282328  
 (21) 2018282328 (22) 19.12.2018  
 (54) DLL3 modulators and methods of use  
 (51) Int. Cl.  
**C12N 15/00** ( 2006.01 )  
 (43) 17.01.2019  
 (62) 2016244333  
 (72) Stull, Robert A.; Saunders, Laura; Dylla, Scott J.; Foord, Orit; Liu, David; Torgov, Michael; Shao, Hui  
 (74) Shelston IP Pty Ltd.

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(71) Able High International Ltd  
 (11) AU-A-2017204510  
 (21) 2017204510 (22) 30.06.2017  
 (54) Improvements in or in relation to automated packaging  
 (51) Int. Cl.  
**B65D 21/032** ( 2006.01 )  
**B65D 43/16** ( 2006.01 )  
 (43) 17.01.2019  
 (61) 2017202923  
 (72) Mo, Helan  
 (74) Intellepro

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(71) Acceleron Pharma Inc.  
 (11) AU-A-2018279010  
 (21) 2018279010 (22) 14.12.2018  
 (54) ALK1 receptor and ligand antagonists and uses thereof  
 (51) Int. Cl.  
**C07K 14/71** ( 2006.01 )  
 (43) 17.01.2019  
 (62) 2016247166  
 (72) Grinberg, Asya; Seehra, Jasbir; Pearsall, Robert Scott; Kumar, Ravindra; Knopf, John  
 (74) Davies Collison Cave Pty Ltd

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(71) Accenture Global Solutions Limited  
 (11) AU-A-2018202580  
 (21) 2018202580 (22) 12.04.2018  
 (54) CONTEXTUAL PHARMACOVIGILANCE SYSTEM  
 (51) Int. Cl.

**G06F 17/20** ( 2006.01 )  
 (31) 15/637,821 (32) 29.06.17 (33) US  
 (43) 17.01.2019  
 (72) BURKE, Orlaith; ZAMAN, Md Faisal; VARD, John; DAVIS, April; LIMSOPATHAM, Nut  
 (74) Murray Trento & Associates Pty Ltd

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(71) Accenture Global Solutions Limited  
 (11) AU-A-2018203367  
 (21) 2018203367 (22) 14.05.2018  
 (54) System and method for determining side-effects associated with a substance  
 (51) Int. Cl.  
**G16H 70/40** ( 2018.01 )  
 (31) 15/625,702 (32) 16.06.17 (33) US  
 (43) 17.01.2019  
 (72) LIMSOPATHAM, Nut; ZAMAN, Md Faisal  
 (74) FB Rice Pty Ltd

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(71) Accenture Global Solutions Limited  
 (11) AU-A-2018204133  
 (21) 2018204133 (22) 08.06.2018  
 (54) AUTOMATIC GENERATION OF MICROSERVICES BASED ON TECHNICAL DESCRIPTION OF LEGACY CODE  
 (51) Int. Cl.  
**G06F 9/00** ( 2006.01 )  
 (31) 15/626,830 (32) 19.06.17 (33) US  
 (43) 17.01.2019  
 (72) CHANDRAMOULI, M.; HONNAPPA, Vidyasagar; SAWANT, Nitin Madhukar; BIJANI, Pramod; SUBRAMANIAM, Ravichandran; BHARAT, Satya  
 (74) Murray Trento & Associates Pty Ltd

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(71) Accenture Global Solutions Limited  
 (11) AU-A-2018278988  
 (21) 2018278988 (22) 13.12.2018  
 (54) CONTINUOUS LEARNING BASED SEMANTIC MATCHING FOR TEXTUAL SAMPLES  
 (51) Int. Cl.  
**G06F 17/21** ( 2006.01 )  
**G06Q 10/00** ( 2006.01 )  
 (43) 17.01.2019  
 (62) 2017208356  
 (72) MISRA, Janardan; SENGUPTA, Shubhashis; SAVAGAONKAR, Milind; PODDER, Sanjay; MURTHY, Srinivas Keshava  
 (74) Murray Trento & Associates Pty Ltd

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(71) Accenture Global Solutions Limited  
 (11) AU-A-2018279026  
 (21) 2018279026 (22) 14.12.2018

(54) BIOMETRIC-BASED RESOURCE ALLOCATION  
 (51) Int. Cl.  
**G06Q 10/06** ( 2012.01 )  
 (43) 17.01.2019  
 (62) 2017208209  
 (72) SARVANA, Obaid; BLUM, Brent; JACOBSON, Erik  
 (74) Murray Trento & Associates Pty Ltd

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(71) Accenture Global Solutions Limited  
 (11) AU-A-2018282284  
 (21) 2018282284 (22) 18.12.2018  
 (54) VIDEO-INTEGRATED USER INTERFACES  
 (51) Int. Cl.  
**G06F 3/048** ( 2006.01 )  
 (43) 17.01.2019  
 (62) 2017208216  
 (72) NGUYEN, David H.; YOUNGDAHL, Allison; MEYER, Shawn D.; MEHTA, Kunal; LI, Ziqiu; HONTS, Rob W.; KLIMEK, David M.; FREELE, Robert; ANDERSON, Stephanie  
 (74) Murray Trento & Associates Pty Ltd

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(71) Accenture Global Solutions Limited  
 (11) AU-A-2018282289  
 (21) 2018282289 (22) 18.12.2018  
 (54) CAPABILITY ASSESSMENT TOOL  
 (51) Int. Cl.  
**G06Q 10/06** ( 2012.01 )  
**G06F 3/048** ( 2006.01 )  
**G06Q 30/02** ( 2012.01 )  
 (43) 17.01.2019  
 (62) 2017202888  
 (72) BROMBACH, Michael; BASHAM, Leslie; OSTERGARD, Michael; FICERY, Kristin  
 (74) Murray Trento & Associates Pty Ltd

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(71) ACMAR  
 (11) AU-A-2018204245  
 (21) 2018204245 (22) 14.06.2018  
 (54) Forward moving gravel spreader  
 (51) Int. Cl.  
**E01C 19/20** ( 2006.01 )  
**B60P 1/36** ( 2006.01 )  
 (31) 17 55355 (32) 14.06.17 (33) FR  
 (43) 17.01.2019  
 (72) Reillon, Olivier  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Acutus Medical, Inc.  
 (11) AU-A-2018278959  
 (21) 2018278959 (22) 13.12.2018  
 (54) Devices and methods for determination of electrical dipole densities on a cardiac surface  
 (51) Int. Cl.

Applications Open to Public Inspection - Name Index cont'd

- A61B 5/04** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2014318872  
**(72)** Werneth, Randell L.; Beatty, Graydon E.; Scharf, Christoph; Scharf, Gunter; Flaherty, J. Christopher  
**(74)** Watermark Intellectual Property Pty Ltd
- 
- (71)** Adobe Systems Incorporated  
**(11)** AU-A-2018202510  
**(21)** 2018202510 **(22)** 10.04.2018  
**(54)** CLIENT STORAGE FOR CLOUD-SYNCHRONIZED DIGITAL MEDIA ASSETS  
**(51)** Int. Cl.  
**G06Q 10/10** ( 2012.01 )  
**(31)** 15/630,740 **(32)** 22.06.17 **(33)** US  
**(43)** 17.01.2019  
**(72)** Goldman, Oliver; Horns, Roey; Wixson, Julian; Switzer, Stanley  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71)** Adobe Systems Incorporated  
**(11)** AU-A-2018202512  
**(21)** 2018202512 **(22)** 10.04.2018  
**(54)** INTEGRATING COMPOSITE FORMATS WITH FINDER AND EXPLORER  
**(51)** Int. Cl.  
**G06Q 10/10** ( 2012.01 )  
**(31)** 15/630,767 **(32)** 22.06.17 **(33)** US  
**(43)** 17.01.2019  
**(72)** Goldman, Oliver; Horns, Roey; Vitrano, Michael; Wixson, Julian; Switzer, Stanley  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71)** AFFIRIS AG  
**(11)** AU-A-2018278933  
**(21)** 2018278933 **(22)** 13.12.2018  
**(54)** PCSK9 PEPTIDE VACCINE  
**(51)** Int. Cl.  
**C12N 9/64** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**C07K 16/40** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2013307319  
**(72)** Brunner, Sylvia; Galabova, Gergana; Winsauer, Gabriele; Bilcikova, Erika; Juno, Claudia; Linzmayer-Hirt, Pola; Schuh, Birgit; Staffler, Günther  
**(74)** Phillips Ormonde Fitzpatrick
- 
- (71)** Ahmed, A.  
**(11)** AU-A-2018204326  
**(21)** 2018204326 **(22)** 16.06.2018  
**(54)** WEARABLE ATHLETIC PERFORMANCE MONITORING DEVICE  
**(51)** Int. Cl.  
**A63B 26/00** ( 2006.01 )  
**A63B 71/02** ( 2006.01 )  
**A63B 102/20** ( 2015.01 )  
**(31)** 15/625,816 **(32)** 16.06.17 **(33)** US  
**(43)** 17.01.2019  
**(72)** Ahmed, Abdullah  
**(74)** Abdullah Ahmed

- (71)** Akzo Nobel Chemicals International B.V.  
**(11)** AU-A-2018282339  
**(21)** 2018282339 **(22)** 19.12.2018  
**(54)** Concentrated suspension of agrochemicals in high electrolyte aqueous medium  
**(51)** Int. Cl.  
**A01N 25/04** ( 2006.01 )  
**A01N 51/00** ( 2006.01 )  
**A01N 57/20** ( 2006.01 )  
**A01P 3/00** ( 2006.01 )  
**A01P 7/04** ( 2006.01 )  
**C05G 3/00** ( 2006.01 )  
**C05G 3/02** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2014375233  
**(72)** ZHU, Shawn  
**(74)** Spruson & Ferguson
- 
- Akzo Nobel Chemicals International B.V. see Dow AgroSciences LLC**  
**(21)** 2018282351
- 
- (71)** Allen-Vanguard Corporation  
**(11)** AU-A-2018204752  
**(21)** 2018204752 **(22)** 29.06.2018  
**(54)** Method and system of modulation classification using signal graphs  
**(51)** Int. Cl.  
**H04L 27/00** ( 2006.01 )  
**H03K 9/00** ( 2006.01 )  
**(31)** 62/526,561 **(32)** 29.06.17 **(33)** US  
**(43)** 17.01.2019  
**(72)** Eldemerdash, Yahia A.; Dobre, Octavia A.; Ureten, Oktay; Jensen, Trevor Noel  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** Angel Playing Cards Co., Ltd.  
**(11)** AU-A-2018204685  
**(21)** 2018204685 **(22)** 28.06.2018  
**(54)** Game management system  
**(51)** Int. Cl.  
**A63F 1/18** ( 2006.01 )  
**A63F 9/24** ( 2006.01 )  
**(31)** 2017-125723 **(32)** 28.06.17 **(33)** JP  
**(43)** 17.01.2019  
**(72)** Shigeta, Yasushi  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** Angel Playing Cards Co., Ltd.  
**(11)** AU-A-2018282261  
**(21)** 2018282261 **(22)** 17.12.2018  
**(54)** FRAUD DETECTION SYSTEM IN CASINO  
**(51)** Int. Cl.  
**G07C 11/00** ( 2006.01 )  
**A47B 25/00** ( 2006.01 )  
**G06T 7/00** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2016210614  
**(72)** Shigeta, Yasushi  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

- (71)** Angel Playing Cards Co., Ltd.  
**(11)** AU-A-2018282262  
**(21)** 2018282262 **(22)** 17.12.2018  
**(54)** FRAUD DETECTION SYSTEM IN CASINO  
**(51)** Int. Cl.  
**G07C 11/00** ( 2006.01 )  
**A47B 25/00** ( 2006.01 )  
**G06T 7/00** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2016210614  
**(72)** Shigeta, Yasushi  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71)** Angel Playing Cards Co., Ltd.  
**(11)** AU-A-2018282263  
**(21)** 2018282263 **(22)** 17.12.2018  
**(54)** FRAUD DETECTION SYSTEM IN CASINO  
**(51)** Int. Cl.  
**G07C 11/00** ( 2006.01 )  
**A47B 25/00** ( 2006.01 )  
**G06T 7/00** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2016210614  
**(72)** Shigeta, Yasushi  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71)** Anglo American Services (UK) Ltd  
**(11)** AU-A-2018203387  
**(21)** 2018203387 **(22)** 15.05.2018  
**(54)** Beneficiation of values from ores with a heap leach process  
**(51)** Int. Cl.  
**B02C 23/14** ( 2006.01 )  
**C22B 3/14** ( 2006.01 )  
**(31)** 15/631,137 **(32)** 23.06.17 **(33)** US  
**(43)** 17.01.2019  
**(72)** FILMER, Anthony Owen; ALEXANDER, Daniel John  
**(74)** Griffith Hack
- 
- (71)** Apple Inc.  
**(11)** AU-A-2018279037  
**(21)** 2018279037 **(22)** 14.12.2018  
**(54)** Sharing user-configurable graphical constructs  
**(51)** Int. Cl.  
**G06F 3/00** ( 2006.01 )  
**G06F 3/048** ( 2006.01 )  
**G06F 9/00** ( 2006.01 )  
**G06T 11/00** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2016229847  
**(72)** BLOCK, Eliza; AGNOLI, Giovanni M.; GUZMAN, Aurelio; LYNCH, Kevin; WILSON, Christopher; WILSON, Eric Lance  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** Apple Inc.  
**(11)** AU-A-2018282384  
**(21)** 2018282384 **(22)** 20.12.2018  
**(54)** Intelligent task discovery  
**(51)** Int. Cl.

Applications Open to Public Inspection - Name Index cont'd

**G06F 17/27** ( 2006.01 )  
**G06F 17/20** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2017203668  
**(72)** CASTILLO SANCHEZ, Jose A.; NELL, Garrett R.; BEVERETT, Kimberly D.  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** Apple Inc.  
**(11)** AU-A-2018282404  
**(21)** 2018282404 **(22)** 20.12.2018  
**(54)** Touch-sensitive button with two levels  
**(51)** Int. Cl.  
**G06F 3/0354** ( 2013.01 )  
**(43)** 17.01.2019  
**(62)** 2016203222  
**(72)** BOKMA, Louis W.; FISHER Jr., Joseph R.; VORA, Saket  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** Apple Inc.  
**(11)** AU-A-2018282409  
**(21)** 2018282409 **(22)** 20.12.2018  
**(54)** Devices, methods, and graphical user interfaces for manipulating user interface objects with visual and/or haptic feedback  
**(51)** Int. Cl.  
**G06F 3/01** ( 2006.01 )  
**(43)** 17.01.2019  
**(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 J.; LOPATIN, Scott; STYER, Allison M.; ROCHETTE, Tommy  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2018203712  
**(21)** 2018203712 **(22)** 25.05.2018  
**(54)** Lock Zone  
**(51)** Int. Cl.  
**A63F 13/50** ( 2014.01 )  
**A63F 13/00** ( 2014.01 )  
**A63F 13/45** ( 2014.01 )  
**G07F 17/32** ( 2006.01 )  
**(31)** 15/627,162 **(32)** 19.06.17 **(33)** US

**(43)** 17.01.2019  
**(72)** LUDWICK, John Victor  
**(74)** Griffith Hack

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**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2018241080  
**(21)** 2018241080 **(22)** 03.10.2018  
**(54)** A GAMING DEVICE WITH PRIZE CHANCE CONFIGURABLE SYMBOL  
**(51)** Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**(43)** 17.01.2019  
**(72)** Olive, Scott; Deitz, Matthew  
**(74)** Griffith Hack

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**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2018278934  
**(21)** 2018278934 **(22)** 13.12.2018  
**(54)** A GAMING SYSTEM AND A METHOD OF GAMING  
**(51)** Int. Cl.  
**A63F 13/60** ( 2014.01 )  
**A63F 13/80** ( 2014.01 )  
**(43)** 17.01.2019  
**(62)** 2017201733  
**(72)** BENNETT, Nicholas Luke; VILLA, David; BRYANT, Natalie  
**(74)** Griffith Hack

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**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2018278978  
**(21)** 2018278978 **(22)** 13.12.2018  
**(54)** A METHOD OF GAMING, A GAMING SYSTEM AND A GAME CONTROLLER  
**(51)** Int. Cl.  
**A63F 13/45** ( 2014.01 )  
**A63F 13/50** ( 2014.01 )  
**G07F 17/34** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2017203664  
**(72)** MARKS, DANIEL  
**(74)** Griffith Hack

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**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2018278979  
**(21)** 2018278979 **(22)** 13.12.2018  
**(54)** A METHOD OF GAMING, A GAMING SYSTEM AND A GAME CONTROLLER  
**(51)** Int. Cl.  
**A63F 13/25** ( 2014.01 )  
**(43)** 17.01.2019  
**(62)** 2017203201  
**(72)** TSOMBANIDIS, Yanis; HAWKINS, Ryan Paul; HONEYCUTT, Robert; JOHNS, Stephanie; ROGERS Jr., Nick  
**(74)** Griffith Hack

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**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2018278980

**(21)** 2018278980 **(22)** 13.12.2018  
**(54)** A gaming machine and a method of gaming thereon  
**(51)** Int. Cl.  
**A63F 13/00** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2017203119  
**(72)** HAWKINS, Ryan Paul; TSOMBANIDIS, Yanis; HONEYCUTT, Robert  
**(74)** Griffith Hack

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**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2018278982  
**(21)** 2018278982 **(22)** 13.12.2018  
**(54)** A gaming machine and a method of playing a game thereon  
**(51)** Int. Cl.  
**A63F 13/50** ( 2014.01 )  
**A63F 13/26** ( 2014.01 )  
**A63F 13/54** ( 2014.01 )  
**A63F 13/60** ( 2014.01 )  
**(43)** 17.01.2019  
**(62)** 2017203124  
**(72)** HENDRICKS, Bradley John; NAUTALARSEN, Britta; GANSERT, Alex; STYCK, Francis  
**(74)** Griffith Hack

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**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2018278994  
**(21)** 2018278994 **(22)** 13.12.2018  
**(54)** A METHOD OF GAMING, A GAMING SYSTEM AND A GAME CONTROLLER  
**(51)** Int. Cl.  
**A63F 13/00** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2017203303  
**(72)** Hawkins, Ryan; Tsombanidis, Yanis; Johns, Stephanie; Honeycutt, Robert  
**(74)** Griffith Hack

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**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2018279016  
**(21)** 2018279016 **(22)** 14.12.2018  
**(54)** A GAMING SYSTEM, A SOUND CONTROLLER, AND A METHOD OF GAMING  
**(51)** Int. Cl.  
**A63F 13/00** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2017203731  
**(72)** TIMPERLEY, DAVID KEITH  
**(74)** Griffith Hack

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**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2018279018  
**(21)** 2018279018 **(22)** 14.12.2018  
**(54)** Gaming Apparatus and Method having a Game with a Variable Reel Feature Game  
**(51)** Int. Cl.  
**G07F 17/34** ( 2006.01 )



Applications Open to Public Inspection - Name Index cont'd

- A63F 13/00** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2017203532  
**(72)** PAU, EDGAR  
**(74)** Griffith Hack
- 
- (71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2018279019  
**(21)** 2018279019 **(22)** 14.12.2018  
**(54)** GAMING MACHINE WITH FIXED WILD SYMBOLS AND MULTIPLIER  
**(51)** Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2017201291  
**(72)** MORONEY, Jennifer  
**(74)** Griffith Hack
- 
- (71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2018279022  
**(21)** 2018279022 **(22)** 14.12.2018  
**(54)** GAMING MACHINE WITH FIXED WILD SYMBOLS AND MULTIPLIER  
**(51)** Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2017201294  
**(72)** MORONEY, Jennifer  
**(74)** Griffith Hack
- 
- (71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2018279034  
**(21)** 2018279034 **(22)** 14.12.2018  
**(54)** GAMING MACHINES, METHODS OF GAMING AND GAMING SYSTEMS  
**(51)** Int. Cl.  
**A63F 13/00** ( 2006.01 )  
**A63F 13/40** ( 2014.01 )  
**A63F 13/50** ( 2014.01 )  
**G07F 17/34** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2017203301  
**(72)** HENDRICKS, Bradley; BURCZYK, Damien; HRITZ, Todd Jeremy  
**(74)** Griffith Hack
- 
- (71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2018282303  
**(21)** 2018282303 **(22)** 18.12.2018  
**(54)** Gaming Machine with two-stage Feature Determination  
**(51)** Int. Cl.  
**A63F 13/00** ( 2006.01 )  
**G07F 17/34** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2017208248  
**(72)** WILSON, Matt  
**(74)** Griffith Hack
- 
- (71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2018282331
- (21)** 2018282331 **(22)** 19.12.2018  
**(54)** A GAMING SYSTEM AND A METHOD OF GAMING  
**(51)** Int. Cl.  
**A63F 13/00** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2016266024  
**(72)** STEVENS, Christopher Michael; BENNETT, Nicholas Luke; GRAHAM, Philippa Alice  
**(74)** Griffith Hack
- 
- (71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2018282355  
**(21)** 2018282355 **(22)** 19.12.2018  
**(54)** A METHOD OF GAMING AND A GAMING SYSTEM  
**(51)** Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2017202366  
**(72)** LANGILLE, Jamie Keith  
**(74)** Griffith Hack
- 
- (71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2018282383  
**(21)** 2018282383 **(22)** 20.12.2018  
**(54)** A GAMING SYSTEM AND A METHOD OF GAMING  
**(51)** Int. Cl.  
**A63F 13/00** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2017204343  
**(72)** BARBALET, Thomas Samuel; MASTERA, Peter Jude; OSBURN, Latamore; HRIPKO, Mark  
**(74)** Griffith Hack
- 
- (71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2018282394  
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**(51)** Int. Cl.  
**E04F 15/10** ( 2006.01 )  
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**(51)** Int. Cl.  
**C25B 9/08** ( 2006.01 )  
**C25B 1/02** ( 2006.01 )  
**C25B 9/02** ( 2006.01 )  
**C25B 11/03** ( 2006.01 )  
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**G06Q 10/02** ( 2012.01 )  
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**A01K 67/027** ( 2006.01 )  
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 B65D 1/04 ( 2006.01 )  
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 (74) Origin Patent and Trade Mark Attorneys

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 A01N 43/647 ( 2006.01 )  
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 A01P 7/00 ( 2006.01 )  
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 A61M 39/00 ( 2006.01 )  
 A61M 39/02 ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
**C07H 21/00** ( 2006.01 )  
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**H01R 12/72** ( 2011.01 )  
**H01R 13/24** ( 2006.01 )  
**H01R 13/33** ( 2006.01 )  
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F21V 15/01 ( 2006.01 )  
F21V 17/00 ( 2006.01 )  
F21V 23/06 ( 2006.01 )  
F21V 29/00 ( 2015.01 )  
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C12Q 1/68 ( 2018.01 )  
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C07D 233/44 ( 2006.01 )  
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**D06F 37/04** ( 2006.01 )  
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**D06F 37/28** ( 2006.01 )  
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**(72)** LIDDELL, Keith Stuart; ADAMS, Michael David  
**(74)** Spruson & Ferguson

**LIND, J. see LIND, A.**  
**(21)** 2018204424

**(71)** LIND, A.; LIND, J.  
**(11)** AU-A-2018204424  
**(21)** 2018204424 **(22)** 20.06.2018  
**(54)** SYSTEM AND METHODS FOR AUTHENTICATION AND/OR IDENTIFICATION  
**(51)** Int. Cl.  
**G06F 21/30** ( 2013.01 )  
**G06K 9/78** ( 2006.01 )  
**(31)** 733018 **(32)** 20.06.17 **(33)** NZ  
**(43)** 17.01.2019  
**(72)** LIND, Andrew Grant; LIND, Jyl Debra Anne  
**(74)** AJ PARK

**(71)** Linxens Holding  
**(11)** AU-A-2018278977  
**(21)** 2018278977 **(22)** 13.12.2018  
**(54)** CHIP CARD MANUFACTURING METHOD, AND CHIP CARD OBTAINED BY SAID METHOD  
**(51)** Int. Cl.  
**G06K 19/077** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2015326677  
**(72)** Eymard, Eric; Proye, Cyril; Guerineau, Nicolas  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** LOCINOX  
**(11)** AU-A-2018204341  
**(21)** 2018204341 **(22)** 18.06.2018  
**(54)** Surface mountable electric strike  
**(51)** Int. Cl.  
**E05B 15/02** ( 2006.01 )  
**E05B 47/00** ( 2006.01 )  
**(31)** 17177943.2 **(32)** 26.06.17 **(33)** EP  
**(43)** 17.01.2019  
**(72)** TALPE, Joseph  
**(74)** Griffith Hack

**(71)** LOCINOX  
**(11)** AU-A-2018204342  
**(21)** 2018204342 **(22)** 18.06.2018  
**(54)** Electric strike  
**(51)** Int. Cl.  
**E05B 15/02** ( 2006.01 )  
**E05B 47/00** ( 2006.01 )  
**(31)** 17177940.8 **(32)** 26.06.17 **(33)** EP  
**(43)** 17.01.2019  
**(72)** TALPE, Joseph  
**(74)** Griffith Hack

**(71)** LOCINOX  
**(11)** AU-A-2018204348  
**(21)** 2018204348 **(22)** 18.06.2018  
**(54)** Electric strike  
**(51)** Int. Cl.  
**E05B 15/02** ( 2006.01 )  
**E05B 47/00** ( 2006.01 )  
**(31)** 17177937.4 **(32)** 26.06.17 **(33)** EP

**(43)** 17.01.2019  
**(72)** TALPE, Joseph  
**(74)** Griffith Hack

**(71)** Lupin Limited  
**(11)** AU-A-2018278967  
**(21)** 2018278967 **(22)** 13.12.2018  
**(54)** Pharmaceutical compositions of donepezil having specific in vitro dissolution profile or pharmacokinetics parameters  
**(51)** Int. Cl.  
**A61K 9/20** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 9/22** ( 2006.01 )  
**A61K 9/24** ( 2006.01 )  
**A61K 9/28** ( 2006.01 )  
**A61K 9/50** ( 2006.01 )  
**A61K 31/445** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2014222372  
**(72)** Bakhle, Dhananjay Sadashiv; Shah, Chirag Anilkumar; Gadve, Snehal Ameet; Sharma, Neha; Chandran, Sajeev; Deshmukh, Ashish Ashokrao  
**(74)** Shelston IP Pty Ltd.

**(71)** Lupin Limited  
**(11)** AU-A-2018282448  
**(21)** 2018282448 **(22)** 21.12.2018  
**(54)** Pharmaceutical compositions of donepezil having specific in vitro dissolution profile or pharmacokinetics parameters  
**(51)** Int. Cl.  
**A61K 9/20** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 9/22** ( 2006.01 )  
**A61K 9/24** ( 2006.01 )  
**A61K 9/28** ( 2006.01 )  
**A61K 9/50** ( 2006.01 )  
**A61K 31/445** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2014222375  
**(72)** Bakhle, Dhananjay Sadashiv; Shah, Chirag Anilkumar; Gadve, Snehal Ameet; Sharma, Neha; Chandran, Sajeev; Deshmukh, Ashish Ashokrao  
**(74)** Shelston IP Pty Ltd.

**(71)** Lyons, G.  
**(11)** AU-A-2018203937  
**(21)** 2018203937 **(22)** 04.06.2018  
**(54)** GALL WASP CONTROL METHOD  
**(51)** Int. Cl.  
**A01N 25/04** ( 2006.01 )  
**A01G 13/00** ( 2006.01 )  
**(31)** 2017902399 **(32)** 21.06.17 **(33)** AU  
**(43)** 17.01.2019  
**(72)** Lyons, Glenn  
**(74)** Griffith Hack

**(71)** MacDon Industries Ltd  
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**(21)** 2018204353 **(22)** 18.06.2018

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(54) WEAR-INHIBITING CLIP FOR DRAPER CLEAT OR SLAT OF A CROP HARVESTING HEADER  
 (51) Int. Cl.  
*A01D 41/14* ( 2006.01 )  
*A01D 43/00* ( 2006.01 )  
*A01D 57/20* ( 2006.01 )  
 (31) 15/631,198 (32) 23.06.17 (33) US  
 (43) 17.01.2019  
 (72) MARTENS, Kris; GEORIGSON, Ryan; ROGALSKY, Doug  
 (74) IP Gateway Patent and Trade Mark Attorneys Pty Ltd

(71) Manitou Italia S.r.l.  
 (11) AU-A-2018204308  
 (21) 2018204308 (22) 15.06.2018  
 (54) An armouring system for a self-propelled work machine  
 (51) Int. Cl.  
*F41H 7/00* ( 2006.01 )  
*F41H 5/00* ( 2006.01 )  
 (31) 102017000067897 (32) 19.06.17 (33) IT  
 (43) 17.01.2019  
 (72) IOTTI, Marco  
 (74) Spruson & Ferguson

(71) Marine Canada Acquisition Inc.  
 (11) AU-A-2018278970  
 (21) 2018278970 (22) 13.12.2018  
 (54) A steering assembly for docking a marine vessel having at least three propulsion units  
 (51) Int. Cl.  
*B63H 25/42* ( 2006.01 )  
*B63H 20/08* ( 2006.01 )  
*B63H 21/21* ( 2006.01 )  
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 (43) 17.01.2019  
 (62) 2014321117  
 (72) Wood, Neal; Wong, Ray  
 (74) Watermark Intellectual Property Pty Ltd

(71) Mars Incorporated  
 (11) AU-A-2018282381  
 (21) 2018282381 (22) 20.12.2018  
 (54) Methods  
 (51) Int. Cl.  
*G01N 33/567* ( 2006.01 )  
*C07K 14/705* ( 2006.01 )  
*G01N 33/68* ( 2006.01 )  
 (43) 17.01.2019  
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 (72) McGrane, Scott Joseph; Taylor, Andrew John; Gibbs, Matthew Ronald  
 (74) Watermark Intellectual Property Pty Ltd

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 (21) 2018282420 (22) 20.12.2018  
 (54) Spectrometer devices  
 (51) Int. Cl.

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 (62) 2017200188  
 (72) Bao, Jie; Bawendi, Moungi G.  
 (74) Spruson & Ferguson

(71) McCloskey International Limited  
 (11) AU-A-2018202927  
 (21) 2018202927 (22) 27.04.2018  
 (54) TRACKED RADIAL STACKER WITH WHEELS  
 (51) Int. Cl.  
*B65G 21/12* ( 2006.01 )  
*B65G 21/14* ( 2006.01 )  
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 (43) 17.01.2019  
 (72) McCloskey, James Paschal; Nottingham, Al  
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(71) Medivation Technologies LLC  
 (11) AU-A-2018282363  
 (21) 2018282363 (22) 20.12.2018  
 (54) Compounds and methods of use  
 (51) Int. Cl.

*C07D 401/14* ( 2006.01 )  
*A61K 31/445* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 401/12* ( 2006.01 )  
*C07D 405/14* ( 2006.01 )  
*C07D 413/14* ( 2006.01 )  
*C07D 471/04* ( 2006.01 )  
*C07D 487/04* ( 2006.01 )  
 (43) 17.01.2019  
 (62) 2014373773  
 (72) RAI, Roopa; CHAKRAVARTY, Sarvajit; PUJALA, Brahmam; SHINDE, Bharat Uttam; NAYAK, Anjan Kumar; CHAKLAN, Naveen; AGARWAL, Anil Kumar; RAMACHANDRAN, Sreekanth A.; PHAM, Son  
 (74) FB Rice Pty Ltd

(71) Medos International Sarl  
 (11) AU-A-2018203296  
 (21) 2018203296 (22) 11.05.2018  
 (54) FINGER TRAPS FOR COLLAPSIBLE SUTURE LOOPS  
 (51) Int. Cl.  
*A61B 17/04* ( 2006.01 )  
 (31) 15/622,360 (32) 14.06.17 (33) US  
 (43) 17.01.2019  
 (72) Sengun, Mehmet Z.; Spenciner, David B.; Lunn, Richard M.  
 (74) Spruson & Ferguson

(71) Medos International Sarl  
 (11) AU-A-2018203831  
 (21) 2018203831 (22) 31.05.2018  
 (54) SUTURE MAGAZINE FOR SUTURE PASSING SURGICAL DEVICE  
 (51) Int. Cl.  
*A61B 17/06* ( 2006.01 )  
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 (43) 17.01.2019  
 (72) Gustafson, Adam  
 (74) Spruson & Ferguson

(71) Medtentia International Ltd Oy  
 (11) AU-A-2018204330  
 (21) 2018204330 (22) 18.06.2018  
 (54) METHOD OF REPAIRING A DEFECTIVE HEART VALVE  
 (51) Int. Cl.  
*A61F 2/24* ( 2006.01 )  
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 (43) 17.01.2019  
 (72) ZERKOWSKI, Hans-Reinhard; KERÄNEN, Olli; VIRTANEN, Jani  
 (74) Wallington-Dummer

(71) Merck & Cie  
 (11) AU-A-2018278943  
 (21) 2018278943 (22) 13.12.2018  
 (54) Hemisulfate salt of 5,10-methylene-(6R)-tetrahydrofolic acid  
 (51) Int. Cl.  
*C07D 475/04* ( 2006.01 )  
*A61K 31/519* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
 (43) 17.01.2019  
 (62) 2014307872  
 (72) Moser, Rudolf; Groehn, Viola; Egger, Thomas; Ammann, Thomas  
 (74) Davies Collison Cave Pty Ltd

(71) Meridian Medical Technologies, Inc.  
 (11) AU-A-2018282337  
 (21) 2018282337 (22) 19.12.2018  
 (54) WET/DRY AUTOMATIC INJECTOR ASSEMBLY  
 (51) Int. Cl.  
*A61M 5/20* ( 2006.01 )  
*A61M 5/28* ( 2006.01 )  
*A61M 5/31* ( 2006.01 )  
*A61M 5/34* ( 2006.01 )  
*A61M 5/32* ( 2006.01 )  
 (43) 17.01.2019  
 (62) 2017201059  
 (72) Wilmont, John G.; Hill, Robert L.; Griffiths, Steven M.  
 (74) Phillips Ormonde Fitzpatrick

(71) Mettler Packaging LLC  
 (11) AU-A-2018204336  
 (21) 2018204336 (22) 18.06.2018  
 (54) Carrier bag dispensers, carrier bag dispenser carousel, hold member for holding and retaining a multitude of pairs of straps connected to respective carrier bags and kit-of-parts carrier bag dispenser for holding a stack of carrier bags  
 (51) Int. Cl.  
*A47F 13/08* ( 2006.01 )  
*B65D 33/06* ( 2006.01 )  
*B65D 33/14* ( 2006.01 )  
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 (72) Zender, Willibrord; Janzen, Gerhard  
 (74) Davies Collison Cave Pty Ltd



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 (11) AU-A-2018204472  
 (21) 2018204472 (22) 20.06.2018  
 (54) Blow Mold Assembly  
 (51) Int. Cl.  
**B29C 49/28** ( 2006.01 )  
 (31) 15/631,578 (32) 23.06.17 (33) US  
 (43) 17.01.2019  
 (72) SPAGNOLI, Robert Anthony; PADLEY, Robert L.; ISAAC, Christopher Brian  
 (74) WRAYS PTY LTD

(71) Milenco Limited  
 (11) AU-A-2018204378  
 (21) 2018204378 (22) 19.06.2018  
 (54) A GRIP MAT  
 (51) Int. Cl.  
**B60B 39/12** ( 2006.01 )  
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 (43) 17.01.2019  
 (72) Milbank, Frederick Nigel  
 (74) Murray Trento & Associates Pty Ltd

(71) Milyiz Pty Ltd  
 (11) AU-A-2018204250  
 (21) 2018204250 (22) 14.06.2018  
 (54) Pool table monitoring and control system  
 (51) Int. Cl.  
**A63D 15/02** ( 2006.01 )  
 (31) 2017902303 (32) 16.06.17 (33) AU  
 (43) 17.01.2019  
 (72) Hankin, Martin Peter  
 (74) Spruson & Ferguson

(71) Mitsubishi Heavy Industries Thermal Systems, Ltd.  
 (11) AU-A-2018204077  
 (21) 2018204077 (22) 08.06.2018  
 (54) INVERTER APPARATUS, AIR CONDITIONER, METHOD OF CONTROLLING INVERTER APPARATUS, AND PROGRAM  
 (51) Int. Cl.  
**H02M 3/155** ( 2006.01 )  
**H02P 25/02** ( 2016.01 )  
 (31) 2017-117741 (32) 15.06.17 (33) JP  
 (43) 17.01.2019  
 (72) Komiya, Shinichi; Shimizu, Kenji; Sumito, Kiyotaka; Watanabe, Takamasa; Sunohara, Tetsu  
 (74) Phillips Ormonde Fitzpatrick

(71) Mitsubishi Heavy Industries Thermal Systems, Ltd.  
 (11) AU-A-2018204176  
 (21) 2018204176 (22) 12.06.2018  
 (54) INVERTER APPARATUS, AIR CONDITIONER, METHOD OF CONTROLLING INVERTER APPARATUS, AND PROGRAM  
 (51) Int. Cl.  
**H02P 27/08** ( 2006.01 )  
**F24F 11/00** ( 2018.01 )  
 (31) 2017-117740 (32) 15.06.17 (33) JP

(43) 17.01.2019  
 (72) Komiya, Shinichi; Shimizu, Kenji; Sumito, Kiyotaka; Watanabe, Takamasa; Sunohara, Tetsu  
 (74) Phillips Ormonde Fitzpatrick

(71) Mitsubishi Heavy Industries Thermal Systems, Ltd.  
 (11) AU-A-2018204645  
 (21) 2018204645 (22) 27.06.2018  
 (54) COMPOSITE PIPE, REFRIGERATING APPARATUS, AND METHOD FOR MANUFACTURING COMPOSITE PIPE  
 (51) Int. Cl.  
**B23K 1/00** ( 2006.01 )  
**F25B 30/00** ( 2006.01 )  
**F28F 1/00** ( 2006.01 )  
**F28F 21/08** ( 2006.01 )  
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 (43) 17.01.2019  
 (72) Oishi, Tsuyoshi; Takeuchi, Nobuyuki; Murakami, Kenichi  
 (74) Phillips Ormonde Fitzpatrick

(71) Motive Power Industry Co., Ltd.  
 (11) AU-A-2018204294  
 (21) 2018204294 (22) 15.06.2018  
 (54) CONTINUOUSLY VARIABLE TRANSMISSION CONTROL SYSTEM FOR ROLLING VEHICLE  
 (51) Int. Cl.  
**F16H 61/662** ( 2006.01 )  
**F16H 9/04** ( 2006.01 )  
 (31) 106122375 (32) 04.07.17 (33) TW  
 (43) 17.01.2019  
 (72) CHENG, Hsin-Lin; WU, Yi-Huan  
 (74) Spruson & Ferguson

(71) Motorola Solutions, Inc.  
 (11) AU-A-2018282294  
 (21) 2018282294 (22) 18.12.2018  
 (54) METHOD AND APPARATUS FOR ESTABLISHING A GROUP CALL IN A MULTIPLE WIRELESS TECHNOLOGY COMMUNICATION SYSTEM  
 (51) Int. Cl.  
**H04L 12/18** ( 2006.01 )  
**H04M 3/56** ( 2006.01 )  
 (43) 17.01.2019  
 (62) 2015370081  
 (72) Pai, Madhusudan K.; Mehrotra, Vikas  
 (74) Phillips Ormonde Fitzpatrick

(71) MTG Co., Ltd  
 (11) AU-A-2018201612  
 (21) 2018201612 (22) 06.03.2018  
 (54) Ring type Wearable Terminal and Flexible Substrate  
 (51) Int. Cl.  
**G06F 1/16** ( 2006.01 )  
**G06K 19/00** ( 2006.01 )  
**G06K 19/077** ( 2006.01 )  
 (31) 62/526,816 (32) 29.06.17 (33) US  
 (43) 17.01.2019  
 (72) McLearn, John; Childs, Stuart  
 (74) Smoorenburg Patent and Trade Mark Attorneys

(71) MTG Co., Ltd  
 (11) AU-A-2018204033  
 (21) 2018204033 (22) 07.06.2018  
 (54) COMMERCIAL PRODUCT SIZE DETERMINATION DEVICE AND COMMERCIAL PRODUCT SIZE DETERMINATION METHOD  
 (51) Int. Cl.  
**G01C 11/02** ( 2006.01 )  
**G01B 11/02** ( 2006.01 )  
 (31) 62/526,702 (32) 29.06.17 (33) US  
 (43) 17.01.2019  
 (72) McLEAR, John; MALLICK, Satya; MISHRA, Pranav  
 (74) Smoorenburg Patent and Trade Mark Attorneys

(71) Mueller International, LLC  
 (11) AU-A-2018278985  
 (21) 2018278985 (22) 13.12.2018  
 (54) Sensor-enabled gate valve  
 (51) Int. Cl.  
**F16K 3/00** ( 2006.01 )  
 (43) 17.01.2019  
 (62) 2017204244  
 (72) Fleury, Leo W.; Roy, Normand James; Williams, James Ola; Clark, Kenneth A.  
 (74) Allens Patent & Trade Mark Attorneys

(71) Mueller International, LLC  
 (11) AU-A-2018278989  
 (21) 2018278989 (22) 13.12.2018  
 (54) Sensor-enabled gate valve  
 (51) Int. Cl.  
**F16K 3/00** ( 2006.01 )  
 (43) 17.01.2019  
 (62) 2017204244  
 (72) Fleury, Leo W.; Roy, Normand James; Williams, James Ola; Clark, Kenneth A.  
 (74) Allens Patent & Trade Mark Attorneys

(71) NANTOMICS, LLC  
 (11) AU-A-2018282245  
 (21) 2018282245 (22) 17.12.2018  
 (54) PATHWAY ANALYSIS FOR IDENTIFICATION OF DIAGNOSTIC TESTS  
 (51) Int. Cl.  
**G06F 19/10** ( 2011.01 )  
 (43) 17.01.2019  
 (62) 2016273897  
 (72) BENZ, Stephen Charles; RABIZADEH, Shahrooz; SZETO, Christopher; WEINGARTEN, Paul; TAO, Chunlin  
 (74) Baldwins Intellectual Property

(71) Neuralstem, Inc.  
 (11) AU-A-2018279014  
 (21) 2018279014 (22) 14.12.2018  
 (54) Stable neural stem cells comprising an exogenous polynucleotide coding for a growth factor and methods of use thereof  
 (51) Int. Cl.  
**A61K 35/30** ( 2006.01 )

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 (72) Hazel, Thomas; Johe, Karl K.  
 (74) Shelston IP Pty Ltd.

(71) Neuravi Limited  
 (11) AU-A-2018204059  
 (21) 2018204059 (22) 07.06.2018  
 (54) CLOT RETRIEVAL SYSTEM FOR REMOVING OCCLUSIVE CLOT FROM A BLOOD VESSEL  
 (51) Int. Cl.  
 A61B 17/221 ( 2006.01 )  
 (31) 62/526,005 (32) 28.06.17 (33) US  
 (43) 17.01.2019  
 (72) Casey, Brendan; Vale, David; Holian, Maeve; Hardiman, David; O'Connor, Grainne  
 (74) Spruson & Ferguson

(71) NeuroVive Pharmaceutical AB  
 (11) AU-A-2018282308  
 (21) 2018282308 (22) 19.12.2018  
 (54) Novel cell-permeable succinate compounds  
 (51) Int. Cl.  
 C07C 323/25 ( 2006.01 )  
 A61K 31/225 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 C07D 281/18 ( 2006.01 )  
 C07D 417/04 ( 2006.01 )  
 (43) 17.01.2019  
 (62) 2015243346  
 (72) Elmer, Eskil; Hansson, Magnus Joakim; Ehinger, Karl Henrik Johannes; Moss, Steven  
 (74) Davies Collison Cave Pty Ltd

(71) Newtonoid Technologies, LLC  
 (11) AU-A-2018204201  
 (21) 2018204201 (22) 13.06.2018  
 (54) PROJECTION MAPPING SYSTEM AND APPARATUS  
 (51) Int. Cl.  
 G03B 21/14 ( 2006.01 )  
 G01B 3/02 ( 2006.01 )  
 G01B 11/02 ( 2006.01 )  
 G01B 11/14 ( 2006.01 )  
 (31) 15/622,959 (32) 14.06.17 (33) US  
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 (72) STATON, Fielding B.; STRUMPF, David  
 (74) IP Gateway Patent and Trade Mark Attorneys Pty Ltd

(71) Nippon Steel & Sumitomo Metal Corporation  
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 (21) 2018282388 (22) 28.06.2018  
 (54) Steelmaking slag for fertilizer raw material, method for producing steelmaking slag for fertilizer raw material, method for producing fertilizer, and fertilizer application method  
 (51) Int. Cl.  
 C04B 5/00 ( 2006.01 )  
 B09B 3/00 ( 2006.01 )  
 (31) 2017-126093 (32) 28.06.17 (33) JP

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 (72) Ito, Kimio  
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 (51) Int. Cl.  
 C04B 5/00 ( 2006.01 )  
 B09B 3/00 ( 2006.01 )  
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 (54) Nucleic Acid Functionalized Nanoparticles For Therapeutic Applications  
 (51) Int. Cl.  
 C12N 15/11 ( 2006.01 )  
 C12N 15/87 ( 2006.01 )  
 (43) 17.01.2019  
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 (72) MIRKIN, Chad A.; GILJOHANN, David A.; SEFEROS, Dwight; PATEL, Pinal C.  
 (74) WRAYS PTY LTD

(71) NovaBiotics Limited  
 (11) AU-A-2018282257  
 (21) 2018282257 (22) 17.12.2018  
 (54) A composition comprising an antibiotic and a dispersant or an anti-adhesive agent  
 (51) Int. Cl.  
 A61K 31/7036 ( 2006.01 )  
 A61K 31/00 ( 2006.01 )  
 A61K 31/145 ( 2006.01 )  
 (43) 17.01.2019  
 (62) 2017201670  
 (72) O'Neil, Deborah; Charrier, Cedric  
 (74) FB Rice Pty Ltd

(71) Novartis AG  
 (11) AU-A-2018279005  
 (21) 2018279005 (22) 14.12.2018  
 (54) Lipids and lipid compositions for the delivery of active agents  
 (51) Int. Cl.  
 C07C 217/58 ( 2006.01 )  
 A61K 31/137 ( 2006.01 )  
 (43) 17.01.2019  
 (62) 2014224205  
 (72) BARYZA, Jeremy Lee; BECKWITH, Rohan Eric John; BOWMAN, Keith; BYERS, Crystal; FAZAL, Tanzina; GAMBER, Gabriel Grant; LEE, Cameron Chuck-Munn; TICHKULE, Ritesh Bhanudasji; VARGESE, Chandra; WANG,

Shuangxi; WEST, Laura; ZABAWA, Thomas; ZHAO, Junping  
 (74) Davies Collison Cave Pty Ltd

(71) Novelli, A.  
 (11) AU-A-2017204513  
 (21) 2017204513 (22) 30.06.2017  
 (54) Cake Making Implement for Smoothing Icing  
 (51) Int. Cl.  
 A47J 43/28 ( 2006.01 )  
 A23P 10/10 ( 2016.01 )  
 A23P 20/12 ( 2016.01 )  
 (43) 17.01.2019  
 (72) Novelli, Arlette  
 (74) Adrian M Trioli Patent and Trade Mark Attorney

(71) NUVERA FUEL CELLS, LLC  
 (11) AU-A-2018278926  
 (21) 2018278926 (22) 12.12.2018  
 (54) Integrated electrochemical compressor and cascade storage method and system  
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 H01M 8/06 ( 2006.01 )  
 B01D 53/32 ( 2006.01 )  
 C01B 3/02 ( 2006.01 )  
 C01B 3/38 ( 2006.01 )  
 C01B 3/50 ( 2006.01 )  
 F15B 1/00 ( 2006.01 )  
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**A61K 45/00** ( 2006.01 )  
**A61P 1/04** ( 2006.01 )  
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**H01H 83/02** ( 2006.01 )

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**H04W 52/36** ( 2009.01 )  
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**(72)** PAPASAKELLARIOU, Aris; NG, Boon Loong  
**(74)** Griffith Hack
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- (71)** Sanden Holdings Corporation; The Coca-Cola Company  
**(11)** AU-A-2018282412  
**(21)** 2018282412 **(22)** 20.12.2018  
**(54)** Vending machine  
**(51)** Int. Cl.  
**G07F 9/10** ( 2006.01 )  
**F25D 11/00** ( 2006.01 )  
**F25D 17/08** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2015365008  
**(72)** YANAGISAWA, Yuuki; YAMAZAKI, Yasuhiro; NISHIYAMA, Takashi  
**(74)** Griffith Hack
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- (71)** SANOFI-AVENTIS  
**(11)** AU-A-2018279056  
**(21)** 2018279056 **(22)** 17.12.2018  
**(54)** NOVEL ANTI-CD38 ANTIBODIES FOR THE TREATMENT OF CANCER  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2017200354  
**(72)** PARK, Peter U.; BARTLE, Laura M.; SKALETSKAYA, Anna; GOLMAKHER, Viktor S.; TAVARES, Daniel; DECKERT, Jutta; MIKOL, Vincent; BLANC, Veronique  
**(74)** AJ PARK
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- (71)** Scheppach Fabrikation von Holzbearbeitungsmaschinen GmbH  
**(11)** AU-A-2018202901  
**(21)** 2018202901 **(22)** 27.04.2018  
**(54)** Wood splitting device and wood splitting method  
**(51)** Int. Cl.  
**B27L 7/06** ( 2006.01 )  
**(31)** EP 17 020 277.4 **(32)** 29.06.17 **(33)** EP  
**(43)** 17.01.2019  
**(72)** BINDHAMMER, Markus  
**(74)** A.P.T. Patent and Trade Mark Attorneys
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- (71)** Schneider Electric (Australia) Pty Limited  
**(11)** AU-A-2018204213  
**(21)** 2018204213 **(22)** 13.06.2018  
**(54)** DRIVING MEMBER FOR PUSH-BUTTON SWITCH AND PUSH-BUTTON SWITCH  
**(51)** Int. Cl.  
**H01H 3/02** ( 2006.01 )  
**(31)** CN201710453583 **(32)** 15.06.17 **(33)** CN  
**(43)** 17.01.2019  
**(72)** Zhang, Peter; Shang, Denny  
**(74)** Madderns Patent & Trade Mark Attorneys
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- Scott, N. see Scott, P.**  
**(21)** 2017204149
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- (71)** Scott, P.; Scott, N.  
**(11)** AU-A-2017204149  
**(21)** 2017204149 **(22)** 19.06.2017  
**(54)** The Gecko Shield has been designed to stop the entrance of Geckos, Mice, Insects and other Vermin into the internal electronic circuit boards in air conditioning units and other commercial and domestic products containing electronic circuit boards stopping them from shorting out the units that is expensive to repair and can cause the unit to set fire  
**(51)** Int. Cl.  
**A01M 29/30** ( 2011.01 )  
**E06B 9/52** ( 2006.01 )  
**(43)** 17.01.2019  
**(72)** Scott, Peter Henry; Scott, Nathan  
**(74)** Peter Henry Scott
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- (71)** Seres Therapeutics, Inc.  
**(11)** AU-A-2018282348  
**(21)** 2018282348 **(22)** 19.12.2018  
**(54)** COMPOSITIONS AND METHODS  
**(51)** Int. Cl.  
**A01N 63/00** ( 2006.01 )  
**A01N 65/00** ( 2006.01 )
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**(62)** 2014212004  
**(72)** McKenzie, Gregory; McKenzie, Mary-Jane Lombardo; Cook, David; Vulic, Marin; Von Maltzahn, Geoffrey; Goodman, Brian; Aunins, John G.; Henn, Matthew R.; Berry, David A.; Winkler, Jonathan  
**(74)** Phillips Ormonde Fitzpatrick
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- (71)** SHANG HAI PAN SHI TOU ZI GUAN LI YOU XIAN GONG SI  
**(11)** AU-A-2018282354  
**(21)** 2018282354 **(22)** 19.12.2018  
**(54)** PROMPTING METHOD AND APPARATUS  
**(51)** Int. Cl.  
**G01C 3/08** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2016262718  
**(72)** Pan, ZhongGuang; Teng, YanMei  
**(74)** Madderns Patent & Trade Mark Attorneys
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- (71)** Sharma, A.  
**(11)** AU-A-2018282415  
**(21)** 2018282415 **(22)** 20.12.2018  
**(54)** Optical correction  
**(51)** Int. Cl.  
**A61K 31/138** ( 2006.01 )  
**A61K 31/385** ( 2006.01 )  
**A61K 31/4168** ( 2006.01 )  
**A61K 31/4178** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**A61K 31/498** ( 2006.01 )  
**A61P 27/02** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2017201568  
**(72)** SHARMA, Anant  
**(74)** Spruson & Ferguson
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- (71)** SMART Medical Systems Ltd.  
**(11)** AU-A-2018282447  
**(21)** 2018282447 **(22)** 21.12.2018  
**(54)** ENDOSCOPE REPROCESSING SYSTEM AND METHOD  
**(51)** Int. Cl.  
**B08B 3/00** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2014269901  
**(72)** TERLIUC, Gad; LURIA, Gilad; HOCHMAN, Erez  
**(74)** Argon IP Pty Ltd
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- (71)** SMART Medical Systems Ltd.  
**(11)** AU-A-2018282450  
**(21)** 2018282450 **(22)** 21.12.2018  
**(54)** Balloon-Equipped Endoscopic Devices and Methods Thereof  
**(51)** Int. Cl.  
**A61F 2/958** ( 2013.01 )  
**(43)** 17.01.2019  
**(62)** 2017202285  
**(72)** TERLIUC, Gad; LURIA, Gilad  
**(74)** Argon IP Pty Ltd

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**(21)** 2018204252

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**(71)** Snap-on Incorporated  
**(11)** AU-A-2018202541  
**(21)** 2018202541 **(22)** 11.04.2018  
**(54)** Latch and method of installing a latch  
**(51)** Int. Cl.  
*E05B 65/46* ( 2017.01 )  
**(31)** 15/636,143 **(32)** 28.06.17 **(33)** US  
**(43)** 17.01.2019  
**(72)** DOERFLINGER, David A.  
**(74)** Griffith Hack

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**(71)** Snap-on Incorporated  
**(11)** AU-A-2018202738  
**(21)** 2018202738 **(22)** 19.04.2018  
**(54)** Ratchet gear reinforcing ring  
**(51)** Int. Cl.  
*B25B 13/34* ( 2006.01 )  
**(31)** 15/622,319 **(32)** 14.06.17 **(33)** US  
**(43)** 17.01.2019  
**(72)** ROSS, David T.; HOPPER, Richard L.  
**(74)** Griffith Hack

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**(71)** Somero Enterprises, Inc.  
**(11)** AU-A-2018282311  
**(21)** 2018282311 **(22)** 19.12.2018  
**(54)** Concrete screeding system with floor quality feedback/control  
**(51)** Int. Cl.  
*E01C 19/40* ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2015253384  
**(72)** KANGAS, Matthew A.  
**(74)** Griffith Hack

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**(71)** Sony Corporation  
**(11)** AU-A-2018282443  
**(21)** 2018282443 **(22)** 21.12.2018  
**(54)** Device  
**(51)** Int. Cl.  
*H04J 99/00* ( 2009.01 )  
*H03M 13/27* ( 2006.01 )  
*H03M 13/29* ( 2006.01 )  
*H04L 1/00* ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2015338473  
**(72)** KIMURA, Ryota; TANG, Yifu  
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**(11)** AU-A-2018204233  
**(21)** 2018204233 **(22)** 14.06.2018  
**(54)** PROCEDURE FOR THE PRODUCTION OF WAFER HALF-SHELLS  
**(51)** Int. Cl.  
*A21B 5/02* ( 2006.01 )  
*A21D 13/00* ( 2017.01 )  
**(31)** 100316 **(32)** 14.06.17 **(33)** LU  
**(43)** 17.01.2019  
**(72)** Massa, Luciano; Negro, Mathia  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Spinal Elements, Inc.  
**(11)** AU-A-2018279003  
**(21)** 2018279003 **(22)** 14.12.2018  
**(54)** Apparatus for spinal fixation and methods of use  
**(51)** Int. Cl.  
*A61B 17/70* ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2014241989  
**(72)** Blain, Jason; Martin, Greg  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** Stryker Corporation  
**(11)** AU-A-2018278930  
**(21)** 2018278930 **(22)** 12.12.2018  
**(54)** System and method for arranging a mobile cart of a robotic system in an operating room  
**(51)** Int. Cl.  
*A61B 90/00* ( 2016.01 )  
**(43)** 17.01.2019  
**(62)** 2014240998  
**(72)** Moctezuma De La Barrera, Jose Luis; Malackowski, Donald W.  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** Sulzer Management AG  
**(11)** AU-A-2018204215  
**(21)** 2018204215 **(22)** 13.06.2018  
**(54)** Pump casing for a centrifugal pump and centrifugal pump  
**(51)** Int. Cl.  
*F04D 29/42* ( 2006.01 )  
**(31)** 17179462.1 **(32)** 04.07.17 **(33)** EP  
**(43)** 17.01.2019  
**(72)** Welschinger, Thomas; Ugale, Nitin; John, Torsten  
**(74)** Watermark Intellectual Property Pty Ltd

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**(71)** SunPower Corporation  
**(11)** AU-A-2018279029  
**(21)** 2018279029 **(22)** 14.12.2018  
**(54)** Shingled solar cell module  
**(51)** Int. Cl.  
*H01L 31/0224* ( 2006.01 )  
*H01L 31/05* ( 2006.01 )  
*H01L 31/052* ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2015267239  
**(72)** MORAD, Ratson; ALMOGY, Gilad; SUEZ, Itai; HUMMEL, Jean; BECKETT, Nathan; LIN, Yafu; GANNON, John; STARKEY, Michael J.; STUART, Robert; LANCE, Tamir; MAYDAN, Dan  
**(74)** Spruson & Ferguson

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**(71)** SunPower Corporation  
**(11)** AU-A-2018279033  
**(21)** 2018279033 **(22)** 14.12.2018  
**(54)** Shingled solar cell module  
**(51)** Int. Cl.  
*H01L 31/0224* ( 2006.01 )  
*H01L 31/05* ( 2006.01 )  
*H01L 31/052* ( 2006.01 )

**(43)** 17.01.2019  
**(62)** 2015267239  
**(72)** MORAD, Ratson; ALMOGY, Gilad; SUEZ, Itai; HUMMEL, Jean; BECKETT, Nathan; LIN, Yafu; GANNON, John; STARKEY, Michael J.; STUART, Robert; LANCE, Tamir; MAYDAN, Dan  
**(74)** Spruson & Ferguson

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**(71)** SunPower Corporation  
**(11)** AU-A-2018279035  
**(21)** 2018279035 **(22)** 14.12.2018  
**(54)** Shingled solar cell module  
**(51)** Int. Cl.  
*H01L 31/0224* ( 2006.01 )  
*H01L 31/05* ( 2006.01 )  
*H01L 31/052* ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2015267239  
**(72)** MORAD, Ratson; ALMOGY, Gilad; SUEZ, Itai; HUMMEL, Jean; BECKETT, Nathan; LIN, Yafu; GANNON, John; STARKEY, Michael J.; STUART, Robert; LANCE, Tamir; MAYDAN, Dan  
**(74)** Spruson & Ferguson

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**(71)** Suprasensor Technologies, LLC  
**(11)** AU-A-2018282293  
**(21)** 2018282293 **(22)** 18.12.2018  
**(54)** MOLECULAR RECEPTOR-BASED CHEMICAL FIELD-EFFECT TRANSISTOR  
**(51)** Int. Cl.  
*G01N 27/414* ( 2006.01 )  
*G01N 27/333* ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2014323628  
**(72)** Stimpson, Calden Carroll; Kusiek, Jordan Richard  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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**(71)** Tata Communications (America) Inc.  
**(11)** AU-A-2018275024  
**(21)** 2018275024 **(22)** 10.12.2018  
**(54)** CAPACITY ALLOCATION OF CALL-HANDLING DEVICES  
**(51)** Int. Cl.  
*H04Q 3/00* ( 2006.01 )  
*H04Q 3/66* ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2014369962  
**(72)** Ho, Roy; Saini, Aakratee; Pokkunuri, Kesava R.  
**(74)** Alder IP Pty Ltd

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**(71)** Tata Consultancy Services Limited  
**(11)** AU-A-2018201681  
**(21)** 2018201681 **(22)** 08.03.2018  
**(54)** SYSTEMS AND METHODS FOR AUTHENTICATING DRIVERS BASED ON GPS DATA  
**(51)** Int. Cl.  
*G06F 21/31* ( 2013.01 )  
*G01C 22/00* ( 2006.01 )  
**(31)** 201721022438 **(32)** 27.06.17 **(33)** IN

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- (71) Tata Consultancy Services Limited  
 (11) AU-A-2018278956  
 (21) 2018278956 (22) 13.12.2018  
 (54) METHOD AND SYSTEM FOR SELECTING SAMPLE SET FOR ASSESSING THE ACCESSIBILITY OF A WEBSITE  
 (51) Int. Cl.  
 G06F 17/00 ( 2006.01 )  
 (43) 17.01.2019  
 (62) 2017201756  
 (72) JADHAV, Charudatta; AHMAD, Syed Absar; YAZDANI, Tanaz Farokh  
 (74) James & Wells Intellectual Property
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- (71) TAYLOR-LISTUG, INC. D/B/A TAYLOR GUITARS  
 (11) AU-A-2018203996  
 (21) 2018203996 (22) 06.06.2018  
 (54) STRING INSTRUMENT HAVING UNITARY NECK SUPPORT AND FINGERBOARD BRACE  
 (51) Int. Cl.  
 G10D 1/08 ( 2006.01 )  
 (31) 15/626,432 (32) 19.06.17 (33) US  
 (43) 17.01.2019  
 (72) POWERS, Andrew Taylor  
 (74) IP Gateway Patent and Trade Mark Attorneys Pty Ltd
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- (71) Technolite (Singapore) Pte Ltd  
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 (21) 2017279669 (22) 31.08.2017  
 (54) Pole  
 (51) Int. Cl.  
 F21V 21/00 ( 2006.01 )  
 (31) PCT/SG2017/050301 (32) 14.06.17 (33) SG  
 (43) 17.01.2019  
 (72) Chia, Ho Meng  
 (74) FB Rice Pty Ltd
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- (71) Ten Cate Industrial Zhuhai Co., Ltd.  
 (11) AU-A-2018204590  
 (21) 2018204590 (22) 25.06.2018  
 (54) A SUBGRADE STABILITY REINFORCEMENT AND FILTER COMPOSITE  
 (51) Int. Cl.  
 D03D 15/00 ( 2006.01 )  
 D03D 1/00 ( 2006.01 )  
 D04B 21/12 ( 2006.01 )  
 D04B 21/16 ( 2006.01 )  
 E02D 17/20 ( 2006.01 )  
 E02D 29/02 ( 2006.01 )  
 (31) 201720771039.2 (32) 28.06.17 (33) CN  
 (43) 17.01.2019  
 (72) Li, Jianling; Yee, Tack Weng  
 (74) Madderns Patent & Trade Mark Attorneys
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- (71) THALES  
 (11) AU-A-2018204230  
 (21) 2018204230 (22) 14.06.2018  
 (54) Telecommunication system comprising a cache server located on board a high-altitude platform and associated data-transmitting method  
 (51) Int. Cl.  
 H04B 7/185 ( 2006.01 )  
 G06F 7/00 ( 2006.01 )  
 H04L 29/00 ( 2006.01 )  
 (31) 1700644 (32) 15.06.17 (33) FR  
 (43) 17.01.2019  
 (72) Gayraud, Jean-Didier; Zoccarato, Walter  
 (74) FB Rice Pty Ltd
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- (71) The Babcock & Wilcox Company  
 (11) AU-A-2018282250  
 (21) 2018282250 (22) 17.12.2018  
 (54) CHEMICAL COMPOUNDS FOR THE REMOVAL OF CARBON DIOXIDE FROM GASES  
 (51) Int. Cl.  
 B01D 53/62 ( 2006.01 )  
 B01D 53/14 ( 2006.01 )  
 B01D 53/34 ( 2006.01 )  
 C01B 32/50 ( 2017.01 )  
 (43) 17.01.2019  
 (62) 2016259346  
 (72) Ji, Lei; FARTHING Jr., George A.  
 (74) Griffith Hack
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- (71) The Boeing Company  
 (11) AU-A-2018203173  
 (21) 2018203173 (22) 08.05.2018  
 (54) Common feed system for surface treatment and adhesive application  
 (51) Int. Cl.  
 B05C 3/18 ( 2006.01 )  
 B05C 5/02 ( 2006.01 )  
 B05D 3/06 ( 2006.01 )  
 B05D 5/10 ( 2006.01 )  
 (31) 15/626,221 (32) 19.06.17 (33) US  
 (43) 17.01.2019  
 (72) MILLER, Richard Allen; BELCHER, Marcus Anthony; WILLIAMS, Stephen Howard  
 (74) FB Rice Pty Ltd
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- (71) The Boeing Company  
 (11) AU-A-2018204048  
 (21) 2018204048 (22) 07.06.2018  
 (54) Autonomous swarm for rapid vehicle turnaround  
 (51) Int. Cl.  
 H04W 4/38 ( 2018.01 )  
 H04W 4/30 ( 2018.01 )  
 (31) 15/629,994 (32) 22.06.17 (33) US  
 (43) 17.01.2019  
 (72) LAUGHLIN, Brian D.; GLATFELTER, John W.  
 (74) Spruson & Ferguson
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- (71) The Broad Institute, Inc.; Massachusetts Institute of Technology; President and Fellows of Harvard College  
 (11) AU-A-2018271372  
 (21) 2018271372 (22) 30.11.2018  
 (54) Type VI CRISPR orthologs and systems  
 (51) Int. Cl.  
 C12N 15/11 ( 2006.01 )  
 (43) 17.01.2019  
 (62) 2017283713  
 (72) Zhang, Feng; Abudayyeh, Omar O.; Gootenberg, Jonathan; Lander, Eric S.  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) The Buyers Saviour (TBS) Pty Ltd.  
 (11) AU-A-2017204524  
 (21) 2017204524 (22) 30.06.2017  
 (54) Systems and methodologies configured to enable pre-auction management and processing of prospective buyer budget data  
 (51) Int. Cl.  
 G06Q 30/08 ( 2012.01 )  
 (43) 17.01.2019  
 (72) Portelli, John  
 (74) Shelston IP Pty Ltd.
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- (71) The Coca-Cola Company  
 (11) AU-A-2018282376  
 (21) 2018282376 (22) 20.12.2018  
 (54) BIO-BASED POLYETHYLENE TEREPHTHALATE POLYMER AND METHOD OF MAKING THE SAME  
 (51) Int. Cl.  
 C08G 63/183 ( 2006.01 )  
 C08G 63/06 ( 2006.01 )  
 C08G 63/19 ( 2006.01 )  
 C08G 63/91 ( 2006.01 )  
 C08L 3/00 ( 2006.01 )  
 C08L 67/03 ( 2006.01 )  
 C08L 67/04 ( 2006.01 )  
 C08L 93/00 ( 2006.01 )  
 (43) 17.01.2019  
 (62) 2017200475  
 (72) Kriegel, Robert M.; Huang, Xiaoyan; Schultheis, Mikell W.  
 (74) Phillips Ormonde Fitzpatrick
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- (71) The Coca-Cola Company  
 (11) AU-A-2018282377  
 (21) 2018282377 (22) 20.12.2018  
 (54) BIO-BASED POLYETHYLENE TEREPHTHALATE PACKAGING AND METHOD OF MAKING THEREOF  
 (51) Int. Cl.  
 C08G 63/183 ( 2006.01 )  
 B65D 65/46 ( 2006.01 )  
 C08L 67/03 ( 2006.01 )  
 C08L 101/16 ( 2006.01 )  
 D01F 6/62 ( 2006.01 )  
 (43) 17.01.2019  
 (62) 2017200869  
 (72) Kriegel, Robert M.; Huang, Xiaoyan; Schultheis, Mikell; Kolls, Brock H.  
 (74) Phillips Ormonde Fitzpatrick
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- (71) The Coca-Cola Company  
 (11) AU-A-2018282378  
 (21) 2018282378 (22) 20.12.2018  
 (54) FURANOIC POLYMER PREFORMS, CONTAINERS AND PROCESSING



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**B29D 22/00** ( 2006.01 )
- (43) 17.01.2019  
(62) 2014312018  
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(74) Phillips Ormonde Fitzpatrick
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(21) 2018282412
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- (71) The Nielsen Company (US), LLC  
(11) AU-A-2018282417  
(21) 2018282417 (22) 20.12.2018  
(54) Methods and apparatus to identify media
- (51) Int. Cl.  
**H04N 7/173** ( 2006.01 )  
**G06K 9/36** ( 2006.01 )  
**H04H 60/33** ( 2008.01 )
- (43) 17.01.2019  
(62) 2016216648  
(72) MCMILLAN, Gavin  
(74) Spruson & Ferguson
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- (71) The Sy-Klone Company, LLC  
(11) AU-A-2018204751  
(21) 2018204751 (22) 29.06.2018  
(54) Air quality monitoring and control system
- (51) Int. Cl.  
**B60H 1/00** ( 2006.01 )  
**B01D 45/14** ( 2006.01 )  
**B60H 3/06** ( 2006.01 )  
**G01N 33/00** ( 2006.01 )
- (31) 62/527,276 (32) 30.06.17 (33) US  
(43) 17.01.2019  
(72) Moredock, Jeffrey L.; Moredock, James G.  
(74) Davies Collison Cave Pty Ltd
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- (71) The University of North Carolina at Chapel Hill  
(11) AU-A-2018278927  
(21) 2018278927 (22) 12.12.2018  
(54) Methods and compositions for dengue virus vaccines
- (51) Int. Cl.  
**C07K 14/005** ( 2006.01 )  
**A61K 38/16** ( 2006.01 )  
**A61P 31/12** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )
- (43) 17.01.2019  
(62) 2014302282  
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(74) Spruson & Ferguson
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- (71) The University of North Carolina at Chapel Hill  
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(21) 2018282408 (22) 20.12.2018  
(54) Methods and compositions for dual glycan binding AAV vectors

- (51) Int. Cl.  
**C07K 14/075** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**C12N 5/10** ( 2006.01 )
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(72) ASOKAN, Aravind; SAMULSKI, Richard  
(74) Spruson & Ferguson
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- (71) The University of Queensland  
(11) AU-A-2017204211  
(21) 2017204211 (22) 21.06.2017  
(54) AN INTEGRATED SEPARATOR SYSTEM & PROCESS FOR PRECONCENTRATION AND PRETREATMENT OF A MATERIAL
- (51) Int. Cl.  
**B03C 7/02** ( 2006.01 )  
**C22B 1/14** ( 2006.01 )
- (43) 17.01.2019  
(72) Shi, Fengnian; Manlapig, Emmanuel  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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(11) AU-A-2018204268  
(21) 2018204268 (22) 14.06.2018  
(54) LIGHTING SUPPORT SYSTEM
- (51) Int. Cl.  
**F21V 21/14** ( 2006.01 )  
**G03B 15/02** ( 2006.01 )
- (31) 2017902264 (32) 14.06.17 (33) AU  
(43) 17.01.2019  
(72) Mirabella, David  
(74) mdp Patent and Trade Mark Attorneys
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(21) 2018200215 (22) 10.01.2018  
(54) COLD BREWING SYSTEM
- (51) Int. Cl.  
**A47J 31/06** ( 2006.01 )  
**A23F 3/18** ( 2006.01 )  
**A23F 5/26** ( 2006.01 )
- (31) 15/630,463 (32) 22.06.17 (33) US  
(43) 17.01.2019  
(72) LEACH, Julia; LEACH, Andrew  
(74) IP Gateway Patent and Trade Mark Attorneys Pty Ltd
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- Toshiba Infrastructure Systems & Solutions Corporation see Kabushiki Kaisha Toshiba**  
(21) 2018200797
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- (71) Trading Technologies International, Inc  
(11) AU-A-2018282343  
(21) 2018282343 (22) 19.12.2018  
(54) Distribution of market data based on price level transitions
- (51) Int. Cl.  
**G06Q 40/00** ( 2006.01 )
- (43) 17.01.2019  
(62) 2016204615  
(72) SINGER, Scott F.  
(74) Spruson & Ferguson

- (71) Tripod Technology Corporation  
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(54) METHOD OF MAKING COLLOIDAL METAL NANOPARTICLES
- (51) Int. Cl.  
**B22F 1/00** ( 2006.01 )  
**B22F 9/24** ( 2006.01 )
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(74) Madders Patent & Trade Mark Attorneys
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- (71) TTI (MACAO COMMERCIAL OFFSHORE) LIMITED  
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(21) 2018202707 (22) 18.04.2018  
(54) A reciprocating tool and a method to control thereof
- (51) Int. Cl.  
**B23D 49/10** ( 2006.01 )  
**A01G 3/053** ( 2006.01 )
- (31) 17178417.6 (32) 28.06.17 (33) EP  
(43) 17.01.2019  
(72) LAM, Chin Hung  
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- (71) TTI (MACAO COMMERCIAL OFFSHORE) LIMITED  
(11) AU-A-2018204146  
(21) 2018204146 (22) 12.06.2018  
(54) Scoring knife
- (51) Int. Cl.  
**B26D 3/08** ( 2006.01 )  
**B26B 5/00** ( 2006.01 )
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(21) 2018282258 (22) 26.06.2018  
(54) Drill assembly and valve
- (51) Int. Cl.  
**E21B 19/086** ( 2006.01 )
- (31) 2017902457 (32) 26.06.17 (33) AU  
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(72) Scott, Max  
(74) WRAYS PTY LTD
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- (71) United States Gypsum Company  
(11) AU-A-2018279047  
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(54) Method of preparing pregelatinized, partially hydrolyzed starch and related methods and products
- (51) Int. Cl.  
**C08B 30/14** ( 2006.01 )  
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Applications Open to Public Inspection - Name Index cont'd

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**(74)** James & Wells Intellectual Property
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**(11)** AU-A-2018282274  
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**(54)** METHOD TO PREPARE ETHYLENE COPOLYMERS  
**(51)** Int. Cl.  
**C08F 210/02** ( 2006.01 )  
**C08F 2/34** ( 2006.01 )  
**C08F 4/6592** ( 2006.01 )  
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**(74)** Phillips Ormonde Fitzpatrick
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- (71)** Univation Technologies, LLC  
**(11)** AU-A-2018282375  
**(21)** 2018282375 **(22)** 18.12.2018  
**(54)** PRODUCING POLYOLEFIN PRODUCTS  
**(51)** Int. Cl.  
**C08F 210/16** ( 2006.01 )  
**C08F 4/659** ( 2006.01 )  
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**C08J 5/18** ( 2006.01 )  
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**(51)** Int. Cl.  
**A01N 57/20** ( 2006.01 )  
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**(74)** Churchill Attorneys
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**(54)** Temporary valve and valve-filter  
**(51)** Int. Cl.  
**A61F 2/01** ( 2006.01 )  
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**(11)** AU-A-2018282421  
**(21)** 2018282421 **(22)** 20.12.2018  
**(54)** Method, apparatus and system for parking overstay detection  
**(51)** Int. Cl.  
**G08G 1/14** ( 2006.01 )  
**(43)** 17.01.2019  
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**(72)** Welch, Fraser John  
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**(54)** Urinal mat  
**(51)** Int. Cl.  
**E03D 13/00** ( 2006.01 )  
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**(74)** FB Rice Pty Ltd
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**(11)** AU-A-2018282369  
**(21)** 2018282369 **(22)** 20.12.2018  
**(54)** Image coding method, image decoding method, image coding apparatus, image decoding apparatus, and image coding and decoding apparatus  
**(51)** Int. Cl.  
**H04N 19/00** ( 2014.01 )  
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**(74)** Griffith Hack
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- (71)** Virginia Tech Intellectual Properties, Inc.  
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**(54)** Cleaning and dewatering fine coal  
**(51)** Int. Cl.  
**B03B 5/28** ( 2006.01 )  
**B03B 5/62** ( 2006.01 )  
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**(21)** 2018282359 **(22)** 20.12.2018  
**(54)** CONFIGURABLE PAYMENT TOKENS  
**(51)** Int. Cl.  
**G06Q 20/00** ( 2012.01 )
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**(43)** 17.01.2019  
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**(72)** Anderson, Lisa; Cushley, Seamus; Downey, Fergal  
**(74)** Phillips Ormonde Fitzpatrick
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**(11)** AU-A-2018204553  
**(21)** 2018204553 **(22)** 22.06.2018  
**(54)** Mobile control system for checking a vehicle  
**(51)** Int. Cl.  
**G08G 1/015** ( 2006.01 )  
**(31)** 17178843.3 **(32)** 29.06.17 **(33)** EP  
**(43)** 17.01.2019  
**(72)** Jung, Andreas; Bartiromo, Marco  
**(74)** FPA Patent Attorneys Pty Ltd
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**(11)** AU-A-2018204649  
**(21)** 2018204649 **(22)** 27.06.2018  
**(54)** ATTACHMENT CONTAINER FOR A CAKE MACHINE AND METHOD FOR OPERATING A CAKE MACHINE  
**(51)** Int. Cl.  
**A47J 43/07** ( 2006.01 )  
**(31)** 10 2017 114 409.9 **(32)** 28.06.17 **(33)** DE  
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**(72)** Frielinghaus, Robert  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** Vorwerk & Co. Interholding GmbH  
**(11)** AU-A-2018204686  
**(21)** 2018204686 **(22)** 28.06.2018  
**(54)** ACCESSORY WITH SENSORS FOR DETERMINING AN OPERATING STATE, PARTICULARLY MEASURING CUP OR COVER PART FOR A KITCHEN APPLIANCE  
**(51)** Int. Cl.  
**G01D 21/02** ( 2006.01 )  
**A47J 36/06** ( 2006.01 )  
**G01F 19/00** ( 2006.01 )  
**G01G 19/52** ( 2006.01 )  
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**(72)** Hackert, Georg  
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**(54)** Coated particles and compositions comprising same  
**(51)** Int. Cl.  
**A01N 25/12** ( 2006.01 )  
**A01N 25/34** ( 2006.01 )  
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**A01N 43/12** ( 2006.01 )  
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**A01N 57/12** ( 2006.01 )  
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**A61K 8/11** ( 2006.01 )

Applications Open to Public Inspection - Name Index cont'd

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**A61K 31/44** ( 2006.01 )  
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**A61F 2/24** ( 2006.01 )  
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**E04C 2/22** ( 2006.01 )  
**E04B 1/62** ( 2006.01 )  
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**B23K 31/02** ( 2006.01 )  
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(54) An Energy-Saving LED Lamp  
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**F21V 19/04** ( 2006.01 )  
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**F42B 33/10** ( 2006.01 )  
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(72) Whitehead, Kevin Gerald  
(74) Patenteur Pty Ltd

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(21) 2018278962 (22) 13.12.2018  
(54) Driver for arrays of lighting elements  
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**H05B 37/02** ( 2006.01 )  
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(74) Davies Collison Cave Pty Ltd

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**B05B 1/02** ( 2006.01 )  
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(74) FPA Patent Attorneys Pty Ltd

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(54) Child stroller apparatus having an expandable frame  
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**B62B 7/08** ( 2006.01 )  
**B62B 7/14** ( 2006.01 )  
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(71) Wonderland Switzerland AG  
(11) AU-A-2018282438  
(21) 2018282438 (22) 21.12.2018  
(54) Child stroller apparatus having an expandable frame  
(51) Int. Cl.  
**B62B 7/08** ( 2006.01 )  
**B62B 7/14** ( 2006.01 )  
(43) 17.01.2019  
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(21) 2018282442 (22) 21.12.2018  
(54) Child stroller apparatus having an expandable frame  
(51) Int. Cl.  
**B62B 7/08** ( 2006.01 )  
**B62B 7/14** ( 2006.01 )  
(43) 17.01.2019  
(62) 2017200492  
(72) HAUT, Robert E.; TAYLOR, Andrew J.; BOWERS, Patrick J.; HARTENSTINE, Curtis M.  
(74) FB Rice Pty Ltd

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(71) Wonderland Switzerland AG  
(11) AU-A-2018282445  
(21) 2018282445 (22) 21.12.2018  
(54) Child stroller apparatus having an expandable frame  
(51) Int. Cl.  
**B62B 7/08** ( 2006.01 )  
**B62B 7/14** ( 2006.01 )  
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(74) FB Rice Pty Ltd

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(71) World Wide Daily Holdings Company Limited  
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(21) 2018205086 (22) 15.03.2018  
(54) Hand-held hair styling device  
(51) Int. Cl.  
**A45D 2/00** ( 2006.01 )  
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(72) To, Chun Yuen  
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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(21) 2018278965 (22) 13.12.2018  
(54) Chevron osteotomy tools and methods  
(51) Int. Cl.  
**A61B 17/17** ( 2006.01 )

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**(74)** Spruson & Ferguson
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- (71)** Wuhan Kaidi Engineering Technology Research Institute Co., Ltd  
**(11)** AU-A-2018282301  
**(21)** 2018282301      **(22)** 18.12.2018  
**(54)** Cobalt-Based Fischer-Tropsch Synthesis Catalyst And Preparation Method And Use Thereof  
**(51)** Int. Cl.  
**B01J 21/12** ( 2006.01 )  
**B01J 23/75** ( 2006.01 )  
**B01J 35/10** ( 2006.01 )  
**B01J 37/00** ( 2006.01 )  
**C10G 2/00** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2016208857  
**(72)** RAO, Shasha; SONG, Dechen; LIU, Qianqian; HAI, Guoliang; WANG, Dashan; LI, Changyuan; ZHAN, Xiaodong  
**(74)** WRAYS PTY LTD
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- (71)** Xirasol Pty Ltd  
**(11)** AU-A-2018279017  
**(21)** 2018279017      **(22)** 14.12.2018  
**(54)** Solar Tracking Installation  
**(51)** Int. Cl.  
**F24J 2/38** ( 2006.01 )  
**F24J 2/52** ( 2006.01 )  
**F24J 2/54** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2017203521  
**(72)** Brady, Allan James; Melton, Glenn Robert  
**(74)** Baxter Patent Attorneys Pty Ltd
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- (71)** ZINNIA TEK LIMITED  
**(11)** AU-A-2018279060  
**(21)** 2018279060      **(22)** 17.12.2018  
**(54)** PHOTOVOLTAIC SYSTEMS  
**(51)** Int. Cl.  
**H01L 31/042** ( 2006.01 )  
**E04D 1/00** ( 2006.01 )  
**E04D 3/18** ( 2006.01 )  
**H01L 31/048** ( 2006.01 )  
**H01L 31/05** ( 2006.01 )  
**(43)** 17.01.2019  
**(62)** 2014269204  
**(72)** HAYNES, Andrew Leo; PARTRIDGE, Ashton Cyril; BATES, David J.; LIU, Pengcheng; TOH, Seng Oon; NGUANG, Sing Kiong; SPANOCHÉ, Sorin  
**(74)** AJ PARK

Numerical Index

<b>2017204009</b>	Dakota Supplies Inc.	<b>2018203296</b>	Medos International Sarl
<b>2017204017</b>	Borg, S.	<b>2018203304</b>	Biosense Webster (Israel) Ltd.
<b>2017204040</b>	BOBSON HYGIENE INTERNATIONAL INC.	<b>2018203306</b>	Biosense Webster (Israel) Ltd.
<b>2017204099</b>	Canon Kabushiki Kaisha	<b>2018203307</b>	Biosense Webster (Israel) Ltd.
<b>2017204118</b>	Badenhorst, L.P.	<b>2018203367</b>	Accenture Global Solutions Limited
<b>2017204119</b>	Asmar, G.	<b>2018203372</b>	Otis Elevator Company
<b>2017204149</b>	Scott, P.; Scott, N.	<b>2018203387</b>	Anglo American Services (UK) Ltd
<b>2017204155</b>	GUSHER MANAGEMENT, S.L.	<b>2018203433</b>	Highway Care Limited
<b>2017204211</b>	The University of Queensland	<b>2018203643</b>	Otis Elevator Company
<b>2017204241</b>	Criterion Industries Pty Ltd	<b>2018203712</b>	Aristocrat Technologies Australia Pty Limited
<b>2017204276</b>	KANGATECH PTY LTD	<b>2018203764</b>	Deere & Company
<b>2017204394</b>	Calangas, K.	<b>2018203777</b>	Heraeus Medical GmbH
<b>2017204417</b>	OrthoAccel Technologies, Inc.	<b>2018203831</b>	Medos International Sarl
<b>2017204477</b>	Du, X.	<b>2018203836</b>	Biosense Webster (Israel) Ltd.
<b>2017204493</b>	2 Be Different Pty Ltd	<b>2018203875</b>	Eth Zürich
<b>2017204504</b>	Canon Kabushiki Kaisha	<b>2018203880</b>	Huang, B.
<b>2017204510</b>	Able High International Ltd	<b>2018203931</b>	Deere & Company
<b>2017204513</b>	Novelli, A.	<b>2018203937</b>	Lyons, G.
<b>2017204524</b>	The Buyers Saviour (TBS) Pty Ltd.	<b>2018203941</b>	Dow Global Technologies LLC; Rohm and Haas Company
<b>2017204575</b>	Lawrie, R.	<b>2018203996</b>	TAYLOR-LISTUG, INC. D/B/A TAYLOR GUITARS
<b>2017228533</b>	Beijing Sinbon Tongan Electronics Co., Ltd.	<b>2018204013</b>	Ethicon, Inc
<b>2017235988</b>	Qingdao Bellinturf Industrial Co., Ltd	<b>2018204033</b>	MTG Co., Ltd
<b>2017248564</b>	Borgward Trademark Holdings GmbH	<b>2018204048</b>	The Boeing Company
<b>2017268491</b>	Remuda Energy Solutions Inc.	<b>2018204058</b>	HANSEN DEVELOPMENTS LIMITED
<b>2017272235</b>	Arslan Holding Pty Ltd	<b>2018204059</b>	Neuravi Limited
<b>2017279669</b>	Technolite (Singapore) Pte Ltd	<b>2018204071</b>	Robert Bosch Limitada
<b>2017314295</b>	CRC-Evans Pipeline International Inc.	<b>2018204077</b>	Mitsubishi Heavy Industries Thermal Systems, Ltd.
<b>2017390078</b>	Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.	<b>2018204104</b>	Opus RV Pty Ltd
<b>2017391885</b>	CRRC Dalian Co.,Ltd.	<b>2018204133</b>	Accenture Global Solutions Limited
<b>2017396539</b>	GC Corporation	<b>2018204136</b>	Davies, R.
<b>2017401053</b>	Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.	<b>2018204146</b>	TTI (MACAO COMMERCIAL OFFSHORE) LIMITED
<b>2017403346</b>	Chrysos Corporation Limited	<b>2018204149</b>	Gram Engineering Pty Ltd
<b>2017404563</b>	China University of Mining and Technology	<b>2018204150</b>	Gram Engineering Pty Ltd
<b>2017409830</b>	Ping An Technology (Shenzhen) Co., Ltd.	<b>2018204176</b>	Mitsubishi Heavy Industries Thermal Systems, Ltd.
<b>2017416079</b>	Beijing Didi Infinity Technology and Development Co., Ltd.	<b>2018204194</b>	Covidien LP
<b>2017416080</b>	Guilin Layn Natural Ingredients Corp.	<b>2018204201</b>	Newtonoid Technologies, LLC
<b>2017417171</b>	Beijing Didi Infinity Technology and Development Co., Ltd.	<b>2018204211</b>	HOWMEDICA OSTEONICS CORP.
<b>2018200215</b>	Toddy, LLC	<b>2018204213</b>	Schneider Electric (Australia) Pty Limited
<b>2018200797</b>	Kabushiki Kaisha Toshiba; Toshiba Infrastructure Systems & Solutions Corporation	<b>2018204215</b>	Sulzer Management AG
<b>2018201612</b>	MTG Co., Ltd	<b>2018204216</b>	Counter Brands, LLC
<b>2018201681</b>	Tata Consultancy Services Limited	<b>2018204230</b>	THALES
<b>2018201824</b>	Tripod Technology Corporation	<b>2018204231</b>	PGS Geophysical AS
<b>2018201943</b>	Insitu, Inc.	<b>2018204233</b>	Soremartec S.A.
<b>2018202510</b>	Adobe Systems Incorporated	<b>2018204245</b>	ACMAR
<b>2018202512</b>	Adobe Systems Incorporated	<b>2018204250</b>	Milyiz Pty Ltd
<b>2018202541</b>	Snap-on Incorporated	<b>2018204252</b>	Landigrad Limited Liability Company; Smirnov, S.
<b>2018202580</b>	Accenture Global Solutions Limited	<b>2018204259</b>	Covidien LP
<b>2018202707</b>	TTI (MACAO COMMERCIAL OFFSHORE) LIMITED	<b>2018204266</b>	Robert Bosch Limitada
<b>2018202738</b>	Snap-on Incorporated	<b>2018204268</b>	Tiravanti Pty Ltd
<b>2018202745</b>	Audio-Technica Corporation	<b>2018204271</b>	Illinois Tool Works Inc.
<b>2018202901</b>	Schepach Fabrikation von Holzbearbeitungsmaschinen GmbH	<b>2018204272</b>	Illinois Tool Works Inc.
<b>2018202927</b>	McCloskey International Limited	<b>2018204278</b>	Britax Romer Kindersicherheit GmbH
<b>2018202959</b>	Johnson & Johnson Vision Care, Inc.	<b>2018204294</b>	Motive Power Industry Co., Ltd.
<b>2018202961</b>	Johnson & Johnson Vision Care, Inc.	<b>2018204306</b>	Gram Engineering Pty Ltd
<b>2018203173</b>	The Boeing Company	<b>2018204308</b>	Manitou Italia S.r.l.
<b>2018203207</b>	Covidien LP	<b>2018204315</b>	Flex Ltd.
<b>2018203212</b>	Covidien LP	<b>2018204317</b>	Flex Ltd.
<b>2018203213</b>	Covidien LP	<b>2018204320</b>	Flex Ltd.
<b>2018203239</b>	L.A.Nova Lighting & Electrical Appliance Co., Limited	<b>2018204321</b>	Flex Ltd.
<b>2018203282</b>	Biosense Webster (Israel) Ltd.	<b>2018204326</b>	Ahmed, A.
<b>2018203283</b>	Biosense Webster (Israel) Ltd.	<b>2018204330</b>	Medtentia International Ltd Oy
<b>2018203284</b>	Biosense Webster (Israel) Ltd.	<b>2018204336</b>	Mettler Packaging LLC
		<b>2018204341</b>	LOCINOX
		<b>2018204342</b>	LOCINOX
		<b>2018204348</b>	LOCINOX
		<b>2018204352</b>	FCI Holdings Delaware, Inc
		<b>2018204353</b>	MacDon Industries Ltd

Applications Open to Public Inspection - Numerical Index cont'd

2018204354	Otis Elevator Company	2018278927	The University of North Carolina at Chapel Hill
2018204355	Elekta Limited	2018278928	INCYTE CORPORATION
2018204374	Cmech (Guangzhou) Ltd.	2018278929	Gen9, Inc.
2018204378	Milenco Limited	2018278930	Stryker Corporation
2018204379	Cmech (Guangzhou) Ltd.	2018278933	AFFIRIS AG
2018204380	LG ELECTRONICS INC.	2018278934	Aristocrat Technologies Australia Pty Limited
2018204382	Polymer Systems International Limited	2018278935	Ecolab USA Inc.
2018204386	Cmech (Guangzhou) Ltd.	2018278938	Johnson & Johnson Consumer Companies, Inc.
2018204424	LIND, A.; LIND, J.	2018278941	Valve Medical Ltd.
2018204453	Kunda Park Imports Pty Ltd	2018278942	Industrial Galvanizers Corporation Pty Ltd
2018204454	Otis Elevator Company	2018278943	Merck & Cie
2018204457	Beijing Apollo Ding Rong Solar Technology Co., Ltd.	2018278945	HBG IP Holding Pty Ltd
2018204464	Otis Elevator Company	2018278946	ICU Medical, Inc.
2018204465	Beijing Apollo Ding Rong Solar Technology Co., Ltd.	2018278947	SAMSUNG ELECTRONICS CO., LTD.
2018204467	BISSELL Homecare, Inc.	2018278950	ConMed Corporation
2018204472	Milacron LLC	2018278953	Orora Packaging Australia Pty Ltd
2018204474	CNH Industrial America LLC	2018278955	Research Institute at Nationwide Children's Hospital
2018204480	General Electric Company	2018278956	Tata Consultancy Services Limited
2018204491	Lifezone Limited	2018278958	HMI, Inc.
2018204497	Hydrant Services Pty Ltd	2018278959	Acutus Medical, Inc.
2018204526	De'Longhi Appliances S.r.l.	2018278960	Oracle International Corporation
2018204530	Hanes Innerwear Australia Pty Ltd	2018278962	Williams, D.V.; Dreyfuss, D.
2018204553	Vitronic Dr.-Ing. Stein Bildverarbeitungssysteme GmbH	2018278965	Wright Medical Technology, Inc.
2018204559	Fuller Family Holdings Pty Ltd	2018278967	Lupin Limited
2018204590	Ten Cate Industrial Zhuhai Co., Ltd.	2018278970	Marine Canada Acquisition Inc.
2018204594	CASIO COMPUTER CO., LTD.	2018278972	BIOGENERA S.P.A
2018204599	Plithos Renewables Pty Ltd	2018278973	CareFusion 303, Inc.
2018204613	AVENTOM LIMITED	2018278976	Osio Corporation d/b/a Yolia Health
2018204614	B. Braun Melsungen AG	2018278977	Linxens Holding
2018204621	AvenTOM Limited	2018278978	Aristocrat Technologies Australia Pty Limited
2018204622	Computime, Ltd.	2018278979	Aristocrat Technologies Australia Pty Limited
2018204642	Otis Elevator Company	2018278980	Aristocrat Technologies Australia Pty Limited
2018204643	Co-Packers (Qld) Pty Ltd	2018278981	Blue Systems AB
2018204645	Mitsubishi Heavy Industries Thermal Systems, Ltd.	2018278982	Aristocrat Technologies Australia Pty Limited
2018204648	CNH Industrial America LLC	2018278983	CFPH, LLC
2018204649	Vorwerk & Co. Interholding GmbH	2018278985	Mueller International, LLC
2018204658	Leatherman Tool Group, Inc.	2018278988	Accenture Global Solutions Limited
2018204675	O'Brien, L.	2018278989	Mueller International, LLC
2018204685	Angel Playing Cards Co., Ltd.	2018278990	Becton, Dickinson and Company
2018204686	Vorwerk & Co. Interholding GmbH	2018278992	Joy Global Underground Mining LLC
2018204716	CNH Industrial America LLC	2018278994	Aristocrat Technologies Australia Pty Limited
2018204729	inodyn NewMedia GmbH	2018278995	Premier Technologies Ltd
2018204742	Eaton Intelligent Power Limited	2018278997	Conbraco Industries, Inc.
2018204749	Otis Elevator Company	2018278999	Jarvis Products Corporation
2018204751	The Sy-Klone Company, LLC	2018279001	BYRNE, T.
2018204752	Allen-Vanguard Corporation	2018279002	Bright Light Systems, Inc.
2018204778	Orora Packaging Australia Pty Ltd	2018279003	Spinal Elements, Inc.
2018204802	Harrison, J.	2018279005	Novartis AG
2018204849	Farquharson, P.	2018279006	Armstrong World Industries, Inc.
2018205086	World Wide Daily Holdings Company Limited	2018279007	Lantheus Medical Imaging, Inc.
2018217242	Base Air Management, Inc.	2018279008	Auburn University
2018236726	Flack, D.	2018279009	Janssen Biotech, Inc.
2018241080	Aristocrat Technologies Australia Pty Limited	2018279010	Acceleron Pharma Inc.
2018260923	Whitehead, K.	2018279012	Foundation Medicine, Inc.
2018260934	Glenmark Specialty S.A.	2018279014	Neuralstem, Inc.
2018264082	Wenling Xinhang Product Design Co., Ltd.	2018279015	Crum, A.
2018264103	Wenling Jiuxin IOT Technology Co.,Ltd.	2018279016	Aristocrat Technologies Australia Pty Limited
2018264155	Wenling Jiuxin IOT Technology Co.,Ltd.	2018279017	Xirasol Pty Ltd
2018271354	Innovation Technologies, Inc.	2018279018	Aristocrat Technologies Australia Pty Limited
2018271372	The Broad Institute, Inc.; Massachusetts Institute of Technology; President and Fellows of Harvard College	2018279019	Aristocrat Technologies Australia Pty Limited
2018274917	BGC Partners, Inc	2018279021	CRRQ QIQIHAR ROLLING STOCK CO., LTD.
2018274980	Beijing Didi Infinity Technology and Development Co., Ltd.	2018279022	Aristocrat Technologies Australia Pty Limited
2018275024	Tata Communications (America) Inc.	2018279025	CRRQ QIQIHAR ROLLING STOCK CO., LTD.
2018278850	Children's Medical Center Corporation	2018279026	Accenture Global Solutions Limited
2018278883	Enable Injections, Inc.	2018279027	HUNTINGDON TELEMED, LLC.
2018278900	Ontex BVBA; Ontex Group NV	2018279029	SunPower Corporation
2018278912	Ontex BVBA; Ontex Group NV	2018279030	Northwestern University
2018278921	Pioneer International Pty Ltd	2018279033	SunPower Corporation
2018278925	Eeya Media Inc.	2018279034	Aristocrat Technologies Australia Pty Limited
2018278926	NUVERA FUEL CELLS, LLC	2018279035	SunPower Corporation
		2018279037	Apple Inc.
		2018279043	Reven Pharmaceuticals, Inc

Applications Open to Public Inspection - Numerical Index cont'd

2018279047	United States Gypsum Company	2018282352	Campbell-Lloyd, P.C.
2018279054	Cambridge Enterprise Limited	2018282354	SHANG HAI PAN SHI TOU ZI GUAN LI YOU XIAN GONG SI
2018279055	SAMSON CLINICAL PTY LTD	2018282355	Aristocrat Technologies Australia Pty Limited
2018279056	SANOFI-AVENTIS	2018282356	Joy Global Underground Mining LLC
2018279057	Quincy Bioscience, LLC	2018282359	Visa U.S.A. Inc
2018279058	Electrolux Appliances Aktiebolag	2018282363	Medivation Technologies LLC
2018279060	ZINNIATEK LIMITED	2018282365	Belle-Aire Fragrances, Inc.
2018279062	Deep Exploration Technologies Cooperative Research Centre Ltd	2018282366	Indigo Agriculture, Inc.; Indigo AG, Inc.
2018282245	NANTOMICS, LLC	2018282369	Velos Media International Limited
2018282246	D12 Ventures, LLC	2018282370	BAYER CROPSCIENCE AG
2018282247	Gecko Health Innovations, Inc.	2018282372	CFPH, LLC
2018282248	Cornell University	2018282373	Indigo AG, Inc.
2018282250	The Babcock & Wilcox Company	2018282374	Virginia Tech Intellectual Properties, Inc.
2018282251	Darkon Pty Ltd	2018282375	Univation Technologies, LLC
2018282257	NovaBiotics Limited	2018282376	The Coca-Cola Company
2018282258	UGT Group Pty Ltd	2018282377	The Coca-Cola Company
2018282261	Angel Playing Cards Co., Ltd.	2018282378	The Coca-Cola Company
2018282262	Angel Playing Cards Co., Ltd.	2018282379	DePuy Mitek, Inc.
2018282263	Angel Playing Cards Co., Ltd.	2018282381	Mars Incorporated
2018282265	Illinois Tool Works Inc.	2018282383	Aristocrat Technologies Australia Pty Limited
2018282268	British American Tobacco (Investments) Limited	2018282384	Apple Inc.
2018282269	Eleven Biotherapeutics, Inc.	2018282388	Nippon Steel & Sumitomo Metal Corporation
2018282272	Pearl Therapeutics, Inc.	2018282390	Nippon Steel & Sumitomo Metal Corporation
2018282273	Pearl Therapeutics, Inc.	2018282391	BGC Partners, Inc.
2018282274	Univation Technologies, LLC	2018282392	Safelec Technology Holdings Pty Ltd
2018282275	CREO MEDICAL LIMITED	2018282394	Aristocrat Technologies Australia Pty Limited
2018282276	Commonwealth Scientific and Industrial Research Organisation	2018282395	Bourgault Industries Ltd
2018282277	Omya International AG	2018282396	Bourgault Industries Ltd
2018282279	FISHER & PAYKEL HEALTHCARE LIMITED	2018282397	LG Electronics Inc.
2018282280	Inventio AG	2018282403	Cook Medical Technologies LLC
2018282281	Global Fruit Protection Pty Ltd	2018282404	Apple Inc.
2018282284	Accenture Global Solutions Limited	2018282406	Optimeda Corporation
2018282285	Weeks Holdings Pty Ltd	2018282407	Vyome Biosciences Pvt. Ltd.
2018282289	Accenture Global Solutions Limited	2018282408	The University of North Carolina at Chapel Hill
2018282290	BASF Plant Science Company GmbH	2018282409	Apple Inc.
2018282291	Gilead Sciences, Inc.	2018282411	RMW CHO Group Limited
2018282293	Suprasensor Technologies, LLC	2018282412	Sanden Holdings Corporation; The Coca-Cola Company
2018282294	Motorola Solutions, Inc.	2018282414	Power Pin Inc.
2018282295	Velazquez, E.R.	2018282415	Sharma, A.
2018282298	HANMI SCIENCE CO., LTD.	2018282417	The Nielsen Company (US), LLC
2018282299	BLY IP Inc.	2018282420	Massachusetts Institute of Technology
2018282301	Wuhan Kaidi Engineering Technology Research Institute Co., Ltd	2018282421	Vehicle Monitoring Systems Pty Ltd
2018282303	Aristocrat Technologies Australia Pty Limited	2018282423	Clean Coal Technologies, Inc.
2018282305	UPL LTD	2018282424	Rasmussen, G.
2018282308	NeuroVive Pharmaceutical AB	2018282425	CFPH, LLC
2018282310	Janssen Biotech, Inc.	2018282427	Glaxo Group Limited
2018282311	Somero Enterprises, Inc.	2018282432	Ecolab USA Inc.; BASF SE
2018282314	Capral Limited	2018282433	Ecolab USA Inc.
2018282319	Demand Solutions Consulting Pty Ltd	2018282434	Wonderland Switzerland AG
2018282320	ForSight Vision4, Inc.	2018282438	Wonderland Switzerland AG
2018282321	Facebook, Inc.	2018282439	Asahi Kasei Kabushiki Kaisha
2018282322	Patent Investment & Licensing Company	2018282442	Wonderland Switzerland AG
2018282323	W. L. Gore & Associates, Inc.	2018282443	Sony Corporation
2018282327	Winfield Solutions, LLC	2018282445	Wonderland Switzerland AG
2018282328	AbbVie Stemcentrx LLC	2018282446	Promentis Pharmaceuticals, Inc.
2018282329	Levitation Sciences, LLC	2018282447	SMART Medical Systems Ltd.
2018282330	CROWN EQUIPMENT CORPORATION	2018282448	Lupin Limited
2018282331	Aristocrat Technologies Australia Pty Limited	2018282450	SMART Medical Systems Ltd.
2018282332	CROWN EQUIPMENT CORPORATION		
2018282333	Astellas Institute for Regenerative Medicine		
2018282336	Ono Pharmaceutical Co., Ltd.		
2018282337	Meridian Medical Technologies, Inc.		
2018282339	Akzo Nobel Chemicals International B.V.		
2018282343	Trading Technologies International, Inc		
2018282344	Oberthur Technologies		
2018282345	Icahn School of Medicine at Mount Sinai		
2018282348	Seres Therapeutics, Inc.		
2018282351	Dow AgroSciences LLC; Akzo Nobel Chemicals International B.V.		

IPC Index

<b>A01B 59 /-</b> 2018282395 2018282396	<b>A01N 43 /-</b> 2018282370 2018282407	<b>A44C 5 /-</b> 2018204658	2018204059 2018278950 2018278965 2018279003 2018282379 2018282424	2018282363 2018282407 2018282411 2018282415 2018282427 2018282446 2018282448	<b>A61L 27 /-</b> 2018203875
<b>A01C 1 /-</b> 2018282373	<b>A01N 51 /-</b> 2018282339	<b>A45D 2 /-</b> 2018205086			<b>A61M 11 /-</b> 2018282268
<b>A01C 7 /-</b> 2018282395 2018282396	<b>A01N 57 /-</b> 2018282305 2018282339 2018282351 2018282407	<b>A46B 17 /-</b> 2018204613 2018204621	<b>A61B 18 /-</b> 2018202959 2018202961 2018204194 2018204259 2018282275 2018282403	<b>A61K 33 /-</b> 2018279015 2018279043	<b>A61M 15 /-</b> 2018260934 2018282247 2018282268
<b>A01D 41 /-</b> 2018203764 2018204353 2018204474 2018204648 2018204716	<b>A01N 59 /-</b> 2018282407	<b>A47B 25 /-</b> 2018282261 2018282262 2018282263		<b>A61K 35 /-</b> 2018279014 2018282248	<b>A61M 16 /-</b> 2018204675
<b>A01D 43 /-</b> 2018204353 2018204716	<b>A01N 63 /-</b> 2018282348	<b>A47C 17 /-</b> 2018282329	<b>A61B 5 /-</b> 2017204276 2018203284 2018203306 2018203307 2018204454 2018278959 2018282279	<b>A61K 36 /-</b> 2018278958	<b>A61M 25 /-</b> 2018278990
<b>A01D 45 /-</b> 2018203931	<b>A01N 65 /-</b> 2018282348	<b>A47C 21 /-</b> 2018282329		<b>A61K 38 /-</b> 2018278927 2018278976 2018279057 2018282248 2018282269 2018282298 2018282333	<b>A61M 39 /-</b> 2018204614 2018278973 2018278990
<b>A01D 57 /-</b> 2018204353 2018204716	<b>A01P 3 /-</b> 2018282339 2018282370	<b>A47C 31 /-</b> 2017204493	<b>A61B 8 /-</b> 2018203836		<b>A61M 5 /-</b> 2018278883 2018282337
<b>A01D 61 /-</b> 2018204716	<b>A01P 7 /-</b> 2018282339 2018282370	<b>A47D 9 /-</b> 2018278945			<b>A61N 5 /-</b> 2018204355
<b>A01F 12 /-</b> 2018204648	<b>A21B 5 /-</b> 2018204233	<b>A47F 13 /-</b> 2018204336	<b>A61B 90 /-</b> 2018278930	<b>A61K 39 /-</b> 2018278933 2018282248 2018282345	<b>A61P 1 /-</b> 2018282336
<b>A01G 13 /-</b> 2018203937 2018282281	<b>A21D 13 /-</b> 2018204233	<b>A47F 5 /-</b> 2018204559	<b>A61C 13 /-</b> 2017396539	<b>A61K 45 /-</b> 2018282333 2018282336 2018282427	<b>A61P 11 /-</b> 2018271354 2018282336 2018282427
<b>A01G 15 /-</b> 2018203880	<b>A22B 3 /-</b> 2018278999	<b>A47G 29 /-</b> 2018282319	<b>A61C 7 /-</b> 2017204417	<b>A61F 13 /-</b> 2018278900 2018278912 2018278938	<b>A61P 13 /-</b> 2018282336
<b>A01G 3 /-</b> 2018202707	<b>A23F 3 /-</b> 2018200215	<b>A47G 9 /-</b> 2017204493	<b>A61F 2 /-</b> 2018204330 2018278941 2018282323 2018282450	<b>A61K 47 /-</b> 2018204216 2018282269	<b>A61P 17 /-</b> 2018282336 2018282411
<b>A01K 9 /-</b> 2018204778	<b>A23F 5 /-</b> 2018200215	<b>A47J 31 /-</b> 2018200215 2018204526		<b>A61K 48 /-</b> 2018278955 2018282248 2018282408	<b>A61P 19 /-</b> 2018282411
<b>A01K 11 /-</b> 2018204071 2018204266	<b>A23L 2 /-</b> 2018279043	<b>A47J 36 /-</b> 2018204686	<b>A61F 9 /-</b> 2018278976 2018282320 2018282406	<b>A61K 49 /-</b> 2018279007	<b>A61P 25 /-</b> 2018278967 2018279057 2018282446 2018282448
<b>A01K 67 /-</b> 2018282333	<b>A23P 10 /-</b> 2017204513	<b>A47J 43 /-</b> 2017204513 2018204649		<b>A61K 8 /-</b> 2018204216 2018282365 2018282407	<b>A61P 27 /-</b> 2018271354 2018282415
<b>A01K 97 /-</b> 2017204118	<b>A23P 20 /-</b> 2017204513	<b>A47L 11 /-</b> 2018204467	<b>A61J 1 /-</b> 2018278946		<b>A61P 3 /-</b> 2018282298 2018282411
<b>A01M 29 /-</b> 2017204149	<b>A24F 47 /-</b> 2018282268	<b>A47L 13 /-</b> 2017204009	<b>A61K 31 /-</b> 2018204216 2018260934 2018271354 2018278928 2018278943 2018278967 2018278972 2018279005 2018279008 2018279015 2018279055 2018282257 2018282291 2018282308 2018282336	<b>A61K 9 /-</b> 2018278967 2018282269 2018282272 2018282273 2018282407 2018282448	<b>A61P 31 /-</b> 2018278927 2018279015 2018282291 2018282411
<b>A01N 25 /-</b> 2018203937 2018282305 2018282339 2018282407	<b>A41C 3 /-</b> 2018204530	<b>A47L 7 /-</b> 2018204467		<b>A61L 15 /-</b> 2018278938	<b>A61P 33 /-</b> 2018282336
<b>A01N 37 /-</b> 2018278935 2018282407	<b>A41D 13 /-</b> 2018204675	<b>A47L 9 /-</b> 2018204467		<b>A61L 2 /-</b> 2017204040 2018204013	
	<b>A41D 27 /-</b> 2018204675	<b>A61B 1 /-</b> 2018203304			
	<b>A41G 1 /-</b> 2017235988	<b>A61B 17 /-</b> 2018203207 2018203212 2018203213 2018203296 2018203777 2018203831			
	<b>A42B 3 /-</b> 2018236726				



Applications Open to Public Inspection - IPC Index cont'd

<b>A61P 35 /-</b> 2018278928 2018278943 2018278972 2018282291 2018282308 2018282363 2018282411	2018204751	<b>B23K 31 /-</b> 2017314295 2018264103	<b>B60H 3 /-</b> 2018204751	<b>B65D 25 /-</b> 2018204802	<b>C04B 28 /-</b> 2018279047
<b>A61P 37 /-</b> 2018278928	<b>B01D 53 /-</b> 2018278926 2018282250	<b>B23K 37 /-</b> 2018264103	<b>B60N 2 /-</b> 2018204278	<b>B65D 33 /-</b> 2018204336	<b>C04B 5 /-</b> 2018282388 2018282390
<b>A61P 43 /-</b> 2018282336 2018282411	<b>B01J 21 /-</b> 2018282301	<b>B25B 13 /-</b> 2018202738	<b>B60P 1 /-</b> 2018204245	<b>B65D 43 /-</b> 2017204510	<b>C05G 3 /-</b> 2018282339
<b>A61P 9 /-</b> 2018278928 2018282411	<b>B01J 23 /-</b> 2018282301	<b>B25B 5 /-</b> 2018282352	<b>B60P 3 /-</b> 2018204104	<b>B65D 5 /-</b> 2018204778	<b>C07C 217 /-</b> 2018279005
<b>A61Q 11 /-</b> 2018282365	<b>B01J 35 /-</b> 2018282301	<b>B25C 1 /-</b> 2018204271 2018204272	<b>B60R 15 /-</b> 2018204802	<b>B65D 65 /-</b> 2018282377	<b>C07C 323 /-</b> 2018282308 2018282446
<b>A61Q 19 /-</b> 2018282407	<b>B01J 37 /-</b> 2018282301	<b>B25C 3 /-</b> 2018204272	<b>B60T 7 /-</b> 2018282395 2018282396	<b>B65D 88 /-</b> 2018204802	<b>C07C 327 /-</b> 2018282446
<b>A61Q 5 /-</b> 2018282407	<b>B02C 23 /-</b> 2018203387	<b>B25C 7 /-</b> 2018204271	<b>B60T 8 /-</b> 2018282395 2018282396	<b>B65D 90 /-</b> 2018204802	<b>C07C 407 /-</b> 2018278935
<b>A61Q 7 /-</b> 2018279055	<b>B03B 5 /-</b> 2018282374	<b>B26B 5 /-</b> 2018204146	<b>B61C 17 /-</b> 2017391885	<b>B65G 1 /-</b> 2018282330 2018282332	<b>C07C 409 /-</b> 2018278935
<b>A63B 102 /-</b> 2018204326	<b>B03C 7 /-</b> 2017204211	<b>B26D 3 /-</b> 2018204146	<b>B61D 17 /-</b> 2018279021 2018279025	<b>B65G 21 /-</b> 2018202927	<b>C07D 213 /-</b> 2018282336
<b>A63B 21 /-</b> 2017204276	<b>B05B 1 /-</b> 2018282327	<b>B27L 7 /-</b> 2018202901	<b>B61D 7 /-</b> 2018279021 2018279025	<b>B66B 1 /-</b> 2018203372 2018203643 2018204464	<b>C07D 231 /-</b> 2018282370
<b>A63B 26 /-</b> 2018204326	<b>B05C 3 /-</b> 2018203173	<b>B29C 45 /-</b> 2018204643	<b>B62B 3 /-</b> 2018279027	<b>B66B 3 /-</b> 2018204464	<b>C07D 233 /-</b> 2018279007
<b>A63B 71 /-</b> 2018204326	<b>B05C 5 /-</b> 2018203173	<b>B29C 49 /-</b> 2018204472	<b>B62B 5 /-</b> 2018279027	<b>B66B 5 /-</b> 2018204749 2018282280	<b>C07D 239 /-</b> 2018282336
<b>A63D 15 /-</b> 2018204250	<b>B05D 3 /-</b> 2018203173	<b>B29C 64 /-</b> 2018204211	<b>B62B 7 /-</b> 2018282434 2018282438 2018282442 2018282445	<b>B66B 7 /-</b> 2018204642	<b>C07D 241 /-</b> 2018282446
<b>A63F 1 /-</b> 2018204685	<b>B05D 5 /-</b> 2018203173	<b>B29D 22 /-</b> 2018282378	<b>B63B 21 /-</b> 2017204575	<b>B66F 19 /-</b> 2018282265	<b>C07D 241 /-</b> 2018282446
<b>A63F 13 /-</b> 2018203712 2018278934 2018278978 2018278979 2018278980 2018278982 2018278994 2018279016 2018279018 2018279034 2018282303 2018282322 2018282331 2018282383	<b>B08B 1 /-</b> 2017204009	<b>B32B 27 /-</b> 2018278953	<b>B63B 29 /-</b> 2018278953	<b>B66F 3 /-</b> 2018204849	<b>C07D 281 /-</b> 2018282308
<b>A63F 9 /-</b> 2018204685	<b>B08B 3 /-</b> 2017204040 2018204613 2018282447	<b>B32B 29 /-</b> 2018278953	<b>B63C 7 /-</b> 2017204394	<b>B66F 9 /-</b> 2018282330 2018282332	<b>C07D 327 /-</b> 2018282446
<b>B01D 35 /-</b> 2018204380	<b>B09B 3 /-</b> 2018282388 2018282390	<b>B32B 5 /-</b> 2018278938	<b>B63H 20 /-</b> 2018278970	<b>B82Y 20 /-</b> 2018282420	<b>C07D 401 /-</b> 2018282336 2018282363
<b>B01D 45 /-</b> 2017204155	<b>B21D 13 /-</b> 2018204150	<b>B33Y 10 /-</b> 2018204211	<b>B63H 21 /-</b> 2018278970	<b>B82Y 30 /-</b> 2018203875	<b>C07D 405 /-</b> 2018282363
	<b>B22F 1 /-</b> 2018201824	<b>B41M 3 /-</b> 2018282277	<b>B63H 23 /-</b> 2018278970	<b>C01B 3 /-</b> 2018278926	<b>C07D 413 /-</b> 2018282363
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	<b>B23K 1 /-</b> 2018204645	<b>B60H 1 /-</b> 2018204751	<b>B65D 21 /-</b> 2017204510	<b>C04B 24 /-</b> 2018279047	<b>C07D 487 /-</b> 2018282336 2018282363 2018282411

Applications Open to Public Inspection - IPC Index cont'd

<b>C07D 491 /-</b> 2018278928	<b>C09D 5 /-</b> 2018203941	<b>C25B 11 /-</b> 2018282439	2018204306	<b>E21B 19 /-</b> 2018282258	<b>F21K 9 /-</b> 2018203239
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				<b>F16K 33 /-</b> 2018204058	<b>F42B 33 /-</b> 2018260923

Applications Open to Public Inspection - IPC Index cont'd

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<b>G01N 33 /-</b> 2018204751 2018282381		<b>G08B 7 /-</b> 2018204354	<b>H01Q 1 /-</b> 2018204355	<b>H04N 19 /-</b> 2018282369
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<b>G02C 7 /-</b> 2018278976		<b>G08B 7 /-</b> 2018204354	<b>H01R 13 /-</b> 2018203283	<b>H04Q 3 /-</b> 2018275024
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<b>G05D 1 /-</b> 2017416079	<b>G06Q 50 /-</b> 2017204119 2017272235 2018282279 2018282319 2018282394	<b>G10K 11 /-</b> 2018202745	<b>H02H 3 /-</b> 2018282392	<b>H04W 52 /-</b> 2018278947
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<b>G06F 21 /-</b> 2018201681 2018204424		<b>G16H 50 /-</b> 2018203282	<b>H02P 27 /-</b> 2018204176	
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			<b>H03K 9 /-</b> 2018204752	

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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.)

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G06F 3/02 ( 2006.01 )

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(74) FPA Patent Attorneys Pty Ltd

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(51) Int. Cl.

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**C08G 12/40** ( 2006.01 )  
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(51) Int. Cl.  
**B01J 8/00** ( 2006.01 )  
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**C07C 209/60** ( 2006.01 )  
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(54) Polyvinyl alcohol modified starch production plant  
(51) Int. Cl.  
**C08B 31/18** ( 2006.01 )  
**B01J 19/18** ( 2006.01 )  
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(54) Emulsifier glycerol monostearate production plant  
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(51) Int. Cl.  
**C09D 115/02** ( 2006.01 )  
**C09D 5/18** ( 2006.01 )  
**C09D 7/80** ( 2018.01 )  
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(51) Int. Cl.  
**C01G 49/08** ( 2006.01 )  
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**C09J 181/04** ( 2006.01 )  
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(54) Polybutylene succinate-MDI hot melt adhesive production plant  
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(54) High temperature inorganic adhesive production plant  
(51) Int. Cl.  
**B01J 8/10** ( 2006.01 )  
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 C09D 129/14 ( 2006.01 )  
 C08K 13/02 ( 2006.01 )  
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 C08G 12/12 ( 2006.01 )  
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 C08G 77/442 ( 2006.01 )  
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 (51) Int. Cl.  
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 (51) Int. Cl.  
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*A46B 5/00* ( 2006.01 )  
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**G06Q 50/28** ( 2012.01 )  
**(45)** 17.01.2019  
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**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

**Liu, B. see Xie, Y.**  
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**(71)** Logic Systems Design Pty Limited  
**(11)** AU-A-2018101853  
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**(51)** Int. Cl.  
**G01N 21/64** ( 2006.01 )  
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**G02B 5/08** ( 2006.01 )  
**G02B 26/08** ( 2006.01 )  
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**(45)** 17.01.2019  
**(72)** CONNALLY, Russell Edwin  
**(74)** WRAYS PTY LTD

**(71)** Love, T.  
**(11)** AU-A-2018101857  
**(21)** 2018101857 **(22)** 29.11.2018  
**(54)** 'Flow' app is a dynamic & digital platform for workplace and co-working en-



Innovation Patents Open to Public Inspection - Name Index cont'd

vironments which encourages its users to become fully engaged and immersed in the feeling of energised focus.

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(54) ARRANGEMENTS AND PROCESSES FOR AN ELECTRONIC CLINICAL RECORD

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**G16H 10/60** ( 2018.01 )

- (45) 17.01.2019  
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(74) Michael John Sandow

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(11) AU-A-2018101894  
(21) 2018101894 (22) 30.11.2018  
(54) Lung Recruitment in Mechanical Ventilation

- (51) Int. Cl.  
**A61M 16/00** ( 2006.01 )

- (45) 17.01.2019  
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(74) Jan Kossmann

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(54) Childcare Facility Platform, System and Method

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**G06Q 10/06** ( 2012.01 )  
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(72) Fewster, Sharyn  
(74) MARTIN IP PTY LTD

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(11) AU-A-2018101847  
(21) 2018101847 (22) 28.11.2018  
(54) The ConsortImmobiliser is a broad immobiliser solution that provides for multi-user interphase local and remote immobilisation, tracking, and geo-fencing of uniquely identified and authenticated vehicle over a secure communication channel.

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**B60R 25/042** ( 2013.01 )  
**B60R 25/045** ( 2013.01 )

- (45) 17.01.2019  
(72) Akindeju, Michael; Akindeju, Gabriel; Oseni, Ayodeji  
(74) MKPRO ENGINEERING PTY LTD

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(54) The method of an efficient and accurate credit rating system through the gradient boost decision tree

- (51) Int. Cl.  
**G06Q 40/02** ( 2012.01 )

- (45) 17.01.2019  
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(74) Gloria Li

(71) O'Brien, K.M.  
(11) AU-A-2018102068  
(21) 2018102068 (22) 14.12.2018

(54) Watercraft Fin Removal Tool and Method

- (51) Int. Cl.  
**B63B 35/79** ( 2006.01 )

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(72) O'Brien, Kristian Michael  
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(54) Apparatus for Mounting to a Post

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**E04H 17/12** ( 2006.01 )

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(72) TAYLOR, Bradley  
(74) Griffith Hack

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(54) A STERILE LIQUID FORMULATION FOR AIDING RECOVERY FROM AN ALCOHOL HANGOVER

- (51) Int. Cl.  
**A61K 31/4415** ( 2006.01 )  
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**A23L 33/16** ( 2016.01 )  
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**A61K 33/30** ( 2006.01 )

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(72) Gol, Arash  
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(54) ESCORT BOOKING METHOD AND SYSTEM

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(54) Post Pulling Plate

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**E04H 17/26** ( 2006.01 )  
**B66C 1/28** ( 2006.01 )

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(72) Rice, Benjamin Gavin  
(74) LESICAR MAYNARD ANDREWS PTY LTD

**Richards, P. see The Trustee for BLUNDELL FAMILY TRUST**  
(21) 2018101904

(71) Rocheway Pty Ltd  
(11) AU-A-2018102052  
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(54) A CLIP ASSEMBLY

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**E04B 2/74** ( 2006.01 )  
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**E04B 9/18** ( 2006.01 )  
**E04F 13/00** ( 2006.01 )

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(72) Potter, Graeme  
(74) Wynnes Patent and Trade Mark Attorneys Pty Ltd

(71) Salter, R.  
(11) AU-A-2018102054  
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(54) Improved Vertical Lift Gate

- (51) Int. Cl.  
**E05D 15/48** ( 2006.01 )  
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 (51) Int. Cl.  
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 (74) Stellar Law Pty Ltd

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 (54) A method of recognition of vehicle type based on deep learning  
 (51) Int. Cl.  
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 (72) SONG, HUANCHENG; GE, JIAHAO; JIN, SITONG; YANG, MINGCHEN; ZENG, HAO; HAN, YU  
 (74) Gloria Li

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 (54) MODIFIED PLANT  
 (51) Int. Cl.  
 A01H 5/00 ( 2018.01 )  
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 (72) Winzer, Thilo; Graham, Ian  
 (74) Phillips Ormonde Fitzpatrick

(71) The Trustee for BLUNDELL FAMILY TRUST; Richards, P.  
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(71) Tianjin University of Science and Technology; Chongqing Jushi New Material Technology Co., Ltd.

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 C01D 3/14 ( 2006.01 )  
 C01D 15/08 ( 2006.01 )  
 C07D 207/267 ( 2006.01 )  
 C08G 75/0213 ( 2016.01 )  
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 C08G 75/0281 ( 2016.01 )  
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 (74) Madderns Patent & Trade Mark Attorneys

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 (54) VaryThemer  
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 (51) Int. Cl.  
 H02J 50/80 ( 2016.01 )  
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 C04B 35/591 ( 2006.01 )  
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 (72) LI, Qinggang; WANG, Zhi; SHI, Guopu; WU, Hao; WU, Junyan; LI, Jinkai; ZHAO, Piqi  
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(71) Urban Asset Solutions Pty Ltd  
 (11) AU-A-2018101955  
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 (54) LITTER BIN AND GROSS POLLUTION COLLECTION AND DISPOSAL CONTAINER ARRANGEMENT  
 (51) Int. Cl.  
 B65F 1/14 ( 2006.01 )  
 (45) 17.01.2019  
 (72) Macklin, Andrew Seymour; Fair, Adrian Peter  
 (74) Madderns Patent & Trade Mark Attorneys

(71) Wave Swell Energy Limited  
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 (21) 2018101950 (22) 05.12.2018  
 (54) APPARATUS AND METHOD FOR EXTRACTING ENERGY FROM A FLUID  
 (51) Int. Cl.  
 F03B 13/14 ( 2006.01 )  
 E02B 9/08 ( 2006.01 )

Innovation Patents Open to Public Inspection - Name Index cont'd

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**F03D 9/00** ( 2016.01 )  
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**(72)** DENNISS, Thomas  
**(74)** Adams Pluck
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**(54)** APPARATUS AND METHOD FOR EXTRACTING ENERGY FROM A FLUID  
**(51)** Int. Cl.  
**F03B 13/14** ( 2006.01 )  
**E02B 9/08** ( 2006.01 )  
**F03B 13/24** ( 2006.01 )  
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**(62)** 2017344743  
**(72)** DENNISS, Thomas  
**(74)** Adams Pluck
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**(21)** 2018101952 **(22)** 05.12.2018  
**(54)** APPARATUS AND METHOD FOR EXTRACTING ENERGY FROM A FLUID  
**(51)** Int. Cl.  
**F03B 13/14** ( 2006.01 )  
**E02B 9/08** ( 2006.01 )  
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- (71)** Wickremesooriya, W.  
**(11)** AU-A-2018102031  
**(21)** 2018102031 **(22)** 08.12.2018  
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**(51)** Int. Cl.  
**G09B 15/00** ( 2006.01 )  
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**(74)** Warren Satyajith Anthony Wickremesooriya
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**(51)** Int. Cl.  
**B28C 5/42** ( 2006.01 )  
**B01F 13/00** ( 2006.01 )  
**B28C 9/04** ( 2006.01 )  
**E01C 19/47** ( 2006.01 )
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- (45)** 17.01.2019  
**(72)** Willis, Robert John Llewellyn  
**(74)** Rob Willis
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**(21)** 2018102036
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- (71)** Wuhan University  
**(11)** AU-A-2018101946  
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**(54)** Geographical multivariate flow data spatio-temporal autocorrelation analysis method based on cellular automaton  
**(51)** Int. Cl.  
**G06Q 50/00** ( 2012.01 )  
**(31)** 201811318953.7 **(32)** 07.11.18 **(33)** CN  
**(45)** 17.01.2019  
**(72)** Chen, Jiangping; Xiong, Zhipeng  
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**(21)** 2018102033 **(22)** 09.12.2018  
**(54)** Use of a molecular marker in early screening for sudden death  
**(51)** Int. Cl.  
**C12Q 1/6883** ( 2018.01 )  
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**(72)** Xie, Xiaodong; Li, Yi; Xie, Hanhui  
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**(54)** A color image encryption based on optical chaos and secure sharing in cloud  
**(51)** Int. Cl.  
**H04L 9/00** ( 2006.01 )  
**G06T 1/00** ( 2006.01 )  
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**(21)** 2018102036
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**(21)** 2018102037
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- (71)** Yeomans, A.  
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**(54)** DISPENSING APPARATUS FOR GRANULAR OR PARTICULATE MATERIALS  
**(51)** Int. Cl.  
**A01C 15/08** ( 2006.01 )  
**A01C 7/16** ( 2006.01 )  
**A01C 15/16** ( 2006.01 )  
**B65D 83/06** ( 2006.01 )  
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**(72)** Yeomans, Allan James  
**(74)** John RG Gardner
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- (71)** Yuan, X.  
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**(51)** Int. Cl.  
**G06Q 40/00** ( 2012.01 )  
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**(62)** 2018274992  
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**(74)** Madderns Patent & Trade Mark Attorneys
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**(21)** 2018101948 **(22)** 04.12.2018  
**(54)** INTELLIGENT TRASH CAN  
**(51)** Int. Cl.  
**B65F 1/16** ( 2006.01 )  
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**(72)** Zhao, Lei  
**(74)** Madderns Patent & Trade Mark Attorneys
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**(11)** AU-A-2018101939  
**(21)** 2018101939 **(22)** 03.12.2018  
**(54)** novel dehumidification barrel  
**(51)** Int. Cl.  
**B01D 53/26** ( 2006.01 )  
**B65D 81/26** ( 2006.01 )  
**(45)** 17.01.2019  
**(72)** Lu, xi; Yin, Tai Xing  
**(74)** Admiral Trademarks & Patents Services
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**(11)** AU-A-2018101940  
**(21)** 2018101940 **(22)** 03.12.2018  
**(54)** novel dehumidification box  
**(51)** Int. Cl.  
**B01D 53/04** ( 2006.01 )  
**B01D 53/26** ( 2006.01 )  
**B65D 81/24** ( 2006.01 )  
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**F26B 21/08** ( 2006.01 )  
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<b>2018101627</b>	JAIN (Deemed-to-be-University); Shah, P.G.	<b>2018102020</b>	Chengdu Ke Bo Te Technology Co., Ltd.
<b>2018101691</b>	Shandong Academy of Agricultural Machinery Sciences	<b>2018102021</b>	Chengdu Ke Bo Te Technology Co., Ltd.
<b>2018101721</b>	Willis, R.J.L.	<b>2018102024</b>	Grayson, L.
<b>2018101740</b>	RAIN DOWN ZION PTY LTD	<b>2018102025</b>	ONESTEEL WIRE PTY LIMITED
<b>2018101743</b>	Chengdu Meng Te Si Technology Co., Ltd.	<b>2018102027</b>	University of Jinan
<b>2018101759</b>	Chengdu Mei Sen We Er Technology Co., Ltd.	<b>2018102028</b>	GetBranded Pty Ltd
<b>2018101762</b>	Chengdu Mei Sen We Er Technology Co., Ltd.	<b>2018102029</b>	JISHU IP PTY LTD
<b>2018101763</b>	Chengdu Mei Sen We Er Technology Co., Ltd.	<b>2018102030</b>	Dall, S.
<b>2018101771</b>	Chengdu Mei Sen We Er Technology Co., Ltd.	<b>2018102031</b>	Wickremesooriya, W.
<b>2018101772</b>	Chengdu Mei Sen We Er Technology Co., Ltd.	<b>2018102033</b>	Xie, X.
<b>2018101782</b>	Macropace Products Pty Ltd	<b>2018102034</b>	Jinan University
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<b>2018101816</b>	Chengdu Mai Ke Bei En Technology Co., Ltd.	<b>2018102036</b>	HAN, P.; WU, H.; YANG, Y.; LI, T.; YUAN, X.; FANG, Y.
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<b>2018101835</b>	Chengdu Sai Le Mu Technology Co., Ltd.	<b>2018102043</b>	Jinan University
<b>2018101836</b>	Chengdu Sai Le Mu Technology Co., Ltd.	<b>2018102044</b>	Scoble, H.
<b>2018101839</b>	Chengdu Sai Le Mu Technology Co., Ltd.	<b>2018102045</b>	Ideal Workspace Pte Ltd
<b>2018101847</b>	MKPRO ENGINEERING PTY LTD	<b>2018102046</b>	Yuan, X.
<b>2018101850</b>	ICON Engineering Pty Ltd	<b>2018102047</b>	Better Home Products (Zhejiang) Co., Ltd.
<b>2018101851</b>	Darling, L.	<b>2018102048</b>	Ellsworth, D.
<b>2018101853</b>	Logic Systems Design Pty Limited	<b>2018102049</b>	Dommert, T.
<b>2018101856</b>	Rice, B.	<b>2018102050</b>	BISSELL Homecare, Inc.
<b>2018101857</b>	Love, T.	<b>2018102052</b>	Rocheway Pty Ltd
<b>2018101858</b>	Sun Pharmaceutical Industries Australia Pty Limited	<b>2018102053</b>	Oldnall, C.; Adams, P.
<b>2018101867</b>	F.T BUCKLEY & O.L SCHOLEY	<b>2018102054</b>	Salter, R.
<b>2018101868</b>	Freedom Foods Group IP Pty Limited	<b>2018102057</b>	Kalamaras, M.; Smith, B.
<b>2018101869</b>	Bullivants Pty Limited	<b>2018102058</b>	Fetch TV Pty Ltd
<b>2018101870</b>	Tickit Systems Pty Ltd	<b>2018102064</b>	Intelli Particle Pty Ltd
<b>2018101872</b>	Canaria Technologies Pty Ltd	<b>2018102067</b>	CCL Secure Pty Ltd
<b>2018101873</b>	LIANG, T.	<b>2018102068</b>	O'Brien, K.M.
<b>2018101874</b>	Lightspeed International Pty. Ltd.	<b>2018102069</b>	Apple Inc.
<b>2018101884</b>	CREATIVE IMPACT INC.		
<b>2018101894</b>	Maquet Critical Care AB		
<b>2018101902</b>	Chengdu Mi Er Dun Technology Co., Ltd.		
<b>2018101903</b>	eslick, r.; Eslick, A.; Eslick, L.		
<b>2018101904</b>	The Trustee for BLUNDELL FAMILY TRUST; Richards, P.		
<b>2018101905</b>	Chengdu Si Bo Li Technology Co., Ltd.		
<b>2018101908</b>	Chengdu Si Bo Li Technology Co., Ltd.		
<b>2018101919</b>	Chengdu Si Bo Li Technology Co., Ltd.		
<b>2018101938</b>	Somaskanthan, N.; Mahalanabis, A.; Palantinis, S.		
<b>2018101939</b>	Zhuhai Hermesin Enterprises CO.,LTD		
<b>2018101940</b>	Zhuhai Hermesin Enterprises CO.,LTD		
<b>2018101941</b>	Inkster, B.		
<b>2018101942</b>	Plus Daily Limited		
<b>2018101943</b>	Jiangxi Innovation and Technology Co., Ltd.		
<b>2018101945</b>	Clearpro Construction Water Solutions Pty Ltd		
<b>2018101946</b>	Wuhan University		
<b>2018101947</b>	Apple Inc.		
<b>2018101948</b>	Zhao, L.		
<b>2018101949</b>	LG Electronics Inc.		
<b>2018101950</b>	Wave Swell Energy Limited		
<b>2018101951</b>	Wave Swell Energy Limited		
<b>2018101952</b>	Wave Swell Energy Limited		
<b>2018101953</b>	MiCare Global Pty Ltd		
<b>2018101954</b>	Tianjin University of Science and Technology; Chongqing Jushi New Material Technology Co., Ltd.		
<b>2018101955</b>	Urban Asset Solutions Pty Ltd		
<b>2018101956</b>	Lae, J.		
<b>2018101962</b>	Chengdu Kai En Di Technology Co., Ltd.		
<b>2018101987</b>	Chengdu Hui Si Dun Technology Co., Ltd.		
<b>2018101988</b>	TTI (MACAO COMMERCIAL OFFSHORE) LIMITED		
<b>2018101989</b>	Sharma, J.; Ananthanarayanan, R.		
<b>2018101990</b>	eslick, r.; Eslick, A.; Eslick, L.		

IPC Index

<b><u>A01C 15 /-</u></b>	<b><u>A61K 31 /-</u></b>	<b><u>B25B 13 /-</u></b>	<b><u>B65D 81 /-</u></b>	<b><u>C07C 309 /-</u></b>	<b><u>C09D 115 /-</u></b>
2018101829	2018101942	2018101989	2018101939 2018101940	2018101759	2018101743
<b><u>A01C 7 /-</u></b>	<b><u>A61K 33 /-</u></b>	<b><u>B25B 23 /-</u></b>	<b><u>B65D 83 /-</u></b>	<b><u>C07C 67 /-</u></b>	<b><u>C09D 129 /-</u></b>
2018101829	2018101942	2018101989	2018101829 2018101903	2018101772	2018101835 2018101836
<b><u>A01G 7 /-</u></b>	<b><u>A61M 16 /-</u></b>	<b><u>B25G 1 /-</u></b>	<b><u>B65F 1 /-</u></b>	<b><u>C07D 207 /-</u></b>	<b><u>C09D 161 /-</u></b>
2018102030	2018101894	2018101990	2018101948 2018101955	2018101954	2018101839
<b><u>A01H 5 /-</u></b>	<b><u>A63F 1 /-</u></b>	<b><u>B25G 3 /-</u></b>	<b><u>B66C 1 /-</u></b>	<b><u>C07D 489 /-</u></b>	<b><u>C09D 5 /-</u></b>
2018101858	2018101941	2018101990	2018101856	2018101858	2018101743
<b><u>A23C 11 /-</u></b>	<b><u>A63H 27 /-</u></b>	<b><u>B25J 13 /-</u></b>	<b><u>C01B 25 /-</u></b>	<b><u>C07F 7 /-</u></b>	<b><u>C09D 7 /-</u></b>
2018101868	2018101884	2018102036	2018102021	2018101962	2018101743 2018101836
<b><u>A23L 33 /-</u></b>	<b><u>B01D 21 /-</u></b>	<b><u>B25J 15 /-</u></b>	<b><u>C01D 15 /-</u></b>	<b><u>C08B 31 /-</u></b>	<b><u>C09J 1 /-</u></b>
2018101868 2018101942	2018101945	2018102036	2018101954	2018101771	2018101834
<b><u>A41D 1 /-</u></b>	<b><u>B01D 53 /-</u></b>	<b><u>B25J 5 /-</u></b>	<b><u>C01D 3 /-</u></b>	<b><u>C08F 16 /-</u></b>	<b><u>C09J 11 /-</u></b>
2018102028	2018101939 2018101940	2018101873	2018101954	2018101919	2018101834
<b><u>A46B 17 /-</u></b>	<b><u>B01F 13 /-</u></b>	<b><u>B28C 5 /-</u></b>	<b><u>C01F 17 /-</u></b>	2018101814 2018102012	<b><u>C09J 161 /-</u></b>
2018101990	2018101721	2018101721	2018102020	<b><u>C08F 212 /-</u></b>	2018101814
<b><u>A46B 5 /-</u></b>	<b><u>B01J 14 /-</u></b>	<b><u>B28C 9 /-</u></b>	<b><u>C01G 49 /-</u></b>	2018101905 2018102012	<b><u>C09J 175 /-</u></b>
2018101990 2018102041	2018101772	2018101721	2018101902	<b><u>C08F 236 /-</u></b>	<b><u>C09J 181 /-</u></b>
<b><u>A47B 17 /-</u></b>	2018101759 2018101762 2018101763 2018101771 2018101772 2018101835 2018101902 2018101908 2018101919	2018101941	<b><u>C02F 1 /-</u></b>	2018102012	2018101831
2018102045	<b><u>B42D 25 /-</u></b>	2018102067	2018101945	<b><u>C08F 8 /-</u></b>	<b><u>C12Q 1 /-</u></b>
<b><u>A47B 21 /-</u></b>	<b><u>B60R 25 /-</u></b>	<b><u>C04B 35 /-</u></b>	2018102027	2018101919	2018102033
2018102045	2018101847	<b><u>C05F 11 /-</u></b>	<b><u>C05F 11 /-</u></b>	<b><u>C08G 12 /-</u></b>	<b><u>C30B 17 /-</u></b>
<b><u>A47B 9 /-</u></b>	<b><u>B60T 11 /-</u></b>	2018101956	2018101956	2018101814 2018101839	2018102020
2018102045	2018101867	<b><u>C07C 209 /-</u></b>	<b><u>C07C 209 /-</u></b>	<b><u>C08G 18 /-</u></b>	<b><u>D06F 57 /-</u></b>
<b><u>A47B 97 /-</u></b>	<b><u>B01J 41 /-</u></b>	2018101762 2018101763	2018101762 2018101763	2018101833	2018102047
2018102045	2018101905	<b><u>B62D 57 /-</u></b>	<b><u>C07C 211 /-</u></b>	<b><u>C08G 75 /-</u></b>	<b><u>D06L 4 /-</u></b>
<b><u>A47L 11 /-</u></b>	<b><u>B01J 8 /-</u></b>	2018102036	2018101762	2018101954	2018101987
2018102050	2018101763 2018101834 2018101839	<b><u>B62M 25 /-</u></b>	2018101763	<b><u>C08G 77 /-</u></b>	<b><u>D07B 1 /-</u></b>
<b><u>A47L 5 /-</u></b>	<b><u>B08B 1 /-</u></b>	2018101867	<b><u>C07C 227 /-</u></b>	2018101908	2018101867
2018101949	2018102068	<b><u>B63B 35 /-</u></b>	2018101763	<b><u>C08K 13 /-</u></b>	<b><u>D21H 19 /-</u></b>
<b><u>A47L 9 /-</u></b>	<b><u>B65D 33 /-</u></b>	2018102068	<b><u>C07C 253 /-</u></b>	2018101836	2018102012
2018101949	2018101691	<b><u>B65D 35 /-</u></b>	2018101816	<b><u>C09B 23 /-</u></b>	<b><u>E01C 19 /-</u></b>
<b><u>A61B 5 /-</u></b>	<b><u>B08B 7 /-</u></b>	2018102030	<b><u>C07C 303 /-</u></b>	2018101987	2018101721
2018101872	2018101691	2018101903	2018101759	<b><u>E02B 7 /-</u></b>	2018102054
	<b><u>B23Q 15 /-</u></b>				
	2018102029				

Innovation Patents Open to Public Inspection - IPC Index cont'd

<b><u>E02B 9 /-</u></b>	<b><u>G01L 3 /-</u></b>	<b><u>G06Q 40 /-</u></b>	<b><u>H04L 9 /-</u></b>
2018101950	2018102044	2018102040	2018102042
2018101951		2018102046	<b><u>H04N 21 /-</u></b>
2018101952	<b><u>G01N 1 /-</u></b>	<b><u>G06Q 50 /-</u></b>	2018102048
<b><u>E04B 1 /-</u></b>	2018102030	2018100995	2018102058
2018102029	<b><u>G01N 21 /-</u></b>	2018101740	<b><u>H04N 5 /-</u></b>
2018102052	2018101853	2018101782	2018102069
		2018101874	
		2018101946	
<b><u>E04B 2 /-</u></b>	<b><u>G01N 3 /-</u></b>	<b><u>G06Q 90 /-</u></b>	<b><u>H04R 1 /-</u></b>
2018102052	2018101869	2018101870	2018101872
<b><u>E04B 9 /-</u></b>	<b><u>G01N 33 /-</u></b>	<b><u>G06T 1 /-</u></b>	<b><u>H04W 4 /-</u></b>
2018102052	2018102030	2018102042	2018101851
<b><u>E04F 13 /-</u></b>	<b><u>G02B 13 /-</u></b>	<b><u>G06T 19 /-</u></b>	<b><u>H04W 40 /-</u></b>
2018102052	2018102069	2018102024	2018101627
<b><u>E04F 15 /-</u></b>	<b><u>G02B 15 /-</u></b>	<b><u>G06T 7 /-</u></b>	<b><u>H04W 52 /-</u></b>
2018102029	2018102069	2018102037	2018102034
<b><u>E04H 17 /-</u></b>	<b><u>G02B 26 /-</u></b>	<b><u>G09B 15 /-</u></b>	2018102035
2018101856	2018101853	2018102031	<b><u>H04W 68 /-</u></b>
2018102025			2018101851
<b><u>E05D 13 /-</u></b>	<b><u>G02B 5 /-</u></b>	<b><u>G09B 17 /-</u></b>	<b><u>H04W 72 /-</u></b>
2018102054	2018101853	2018102049	2018102043
<b><u>E05D 15 /-</u></b>	<b><u>G05B 15 /-</u></b>	<b><u>G09G 5 /-</u></b>	<b><u>H05B 3 /-</u></b>
2018102054	2018102036	2018101947	2018102064
<b><u>E21B 15 /-</u></b>	<b><u>G05D 1 /-</u></b>	2018102048	
2018101850	2018101873	<b><u>G16H 10 /-</u></b>	<b><u>No IPC Mark</u></b>
		2018101782	
<b><u>E21B 17 /-</u></b>	<b><u>G06F 3 /-</u></b>	<b><u>H01B 1 /-</u></b>	
2018101850	2018101947	2018102064	
	2018102024		
<b><u>E21B 19 /-</u></b>	<b><u>G06F 9 /-</u></b>	<b><u>H01M 10 /-</u></b>	
2018101850	2018102057	2018101988	
<b><u>F03B 13 /-</u></b>	<b><u>G06K 19 /-</u></b>	<b><u>H01Q 1 /-</u></b>	
2018101950	2018102024	2018101943	
2018101951			
2018101952	<b><u>G06N 3 /-</u></b>	<b><u>H02J 50 /-</u></b>	
<b><u>F03D 9 /-</u></b>	2018102037	2018101988	
2018101950	<b><u>G06Q 10 /-</u></b>	<b><u>H04H 20 /-</u></b>	
2018101951	2018101740	2018102048	
2018101952	2018101857		
<b><u>F16B 37 /-</u></b>	2018101874	<b><u>H04L 1 /-</u></b>	
2018102053	2018101904	2018102043	
	2018101953		
<b><u>F16B 39 /-</u></b>	2018102057	<b><u>H04L 12 /-</u></b>	
2018102053	<b><u>G06Q 20 /-</u></b>	2018101627	
<b><u>F26B 21 /-</u></b>	2018101938		
2018101940			

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*B60B 35/10* ( 2006.01 )  
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 (54) Method and apparatus for assessing customer value based on customer interactions with advertisements  
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*G06Q 30/00* ( 2006.01 )  
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*C04B 7/13* ( 2006.01 )  
*C04B 14/24* ( 2006.01 )  
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 (51) Int. Cl.  
*A62B 9/00* ( 2006.01 )  
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*A62B 18/00* ( 2006.01 )  
*A62B 27/00* ( 2006.01 )  
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 (54) Retrofit sensor module for a protective head top  
 (51) Int. Cl.  
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 (51) Int. Cl.  
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*G06Q 10/06* ( 2012.01 )  
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(54) Hearing protector with positional and sound monitoring sensors for proactive sound hazard avoidance  
 (51) Int. Cl.  
*A61F 11/06* ( 2006.01 )  
*A42B 3/16* ( 2006.01 )  
*A61F 9/06* ( 2006.01 )  
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 (54) Welding shield with exposure detection for proactive welding hazard avoidance  
 (51) Int. Cl.  
*A62B 9/00* ( 2006.01 )  
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 (51) Int. Cl.  
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 (51) Int. Cl.  
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A61F 9/02 ( 2006.01 )  
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C01C 1/04 ( 2006.01 )  
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**B32B 17/10** ( 2006.01 )  
**B32B 27/08** ( 2006.01 )  
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 (51) Int. Cl.  
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 (51) Int. Cl.  
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 B25G 1/00 ( 2006.01 )  
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 (51) Int. Cl.  
 B24B 41/047 ( 2006.01 )  
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 E04B 1/32 ( 2006.01 )  
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 A61P 31/04 ( 2006.01 )  
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 (54) Method for producing an iodine radioisotopes fraction, in particular of I-131, iodine radioisotopes fraction, in particular of I-131  
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 (54) Joint for above ground pool frame  
 (51) Int. Cl.  
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 (54) Method for modernizing a building and structure with a lift system constructed in a building  
 (51) Int. Cl.  
*E04F 11/02* ( 2006.01 )  
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 (21) 2017289122 (22) 27.06.2017  
 (54) Lift system, in particular in the form of a rack-and-pinion lift system, having a specially designed protective roof  
 (51) Int. Cl.  
*B66B 11/00* ( 2006.01 )  
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 (43) 04.01.2018  
 (72) Christen, Lukas  
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 (51) Int. Cl.  
*B66B 11/00* ( 2006.01 )  
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 (31) 16177324.7 (32) 30.06.16 (33) EP  
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 (72) Christen, Lukas; Bläsi, Pascal; Weber, Stefan  
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 (11) AU-A-2017289326  
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 (54) Method for constructing an elevator system having an adaptable usable lifting height  
 (51) Int. Cl.  
*B66B 19/00* ( 2006.01 )  
*B66B 7/06* ( 2006.01 )  
*B66B 17/02* ( 2006.01 )  
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 (31) 16177321.3 (32) 30.06.16 (33) EP  
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 (72) Christen, Lukas; Bläsi, Pascal  
 (74) Watermark Intellectual Property Pty Ltd

(71) IP Full Asset Limited  
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 (54) Hair strengthening ingredient and method for strengthening hair  
 (51) Int. Cl.  
*A61K 8/40* ( 2006.01 )  
*A61K 8/362* ( 2006.01 )  
*A61Q 5/00* ( 2006.01 )  
*A61Q 5/12* ( 2006.01 )  
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 (54) Production of activated clostridial neurotoxins  
 (51) Int. Cl.

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**A61K 38/48** ( 2006.01 )  
**C07K 14/33** ( 2006.01 )  
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**(31)** 16177651.3 **(32)** 01.07.16 **(33)** EP  
**(43)** 04.01.2018  
**(72)** Lovelock, Laura; Kwan, Daniel; Horrocks, Peter Daniel; Field, Malgorzata; Marks, Philip  
**(74)** Watermark Intellectual Property Pty Ltd
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- (71)** Istituto Europeo di Oncologia s.r.l.  
**(11)** AU-A-2017266325  
**(21)** 2017266325 **(22)** 18.05.2017  
**(54)** Imidazoles as histone demethylase inhibitors  
**(51)** Int. Cl.  
**C07D 495/04** ( 2006.01 )  
**A61K 31/407** ( 2006.01 )  
**A61P 3/04** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(87)** WO2017/198780  
**(31)** 16170238.6 **(32)** 18.05.16 **(33)** EP  
**(43)** 23.11.2017  
**(72)** Vianello, Paola; Romussi, Alessia; Cappa, Anna; Trifiro', Paolo; Varasi, Mario; Sartori, Luca; Mercurio, Ciro  
**(74)** FB Rice Pty Ltd
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- (71)** Italicus Ltd  
**(11)** AU-A-2017286947  
**(21)** 2017286947 **(22)** 28.06.2017  
**(54)** An improved spirit drink.  
**(51)** Int. Cl.  
**C12G 3/06** ( 2006.01 )  
**C12G 3/04** ( 2006.01 )  
**C12G 3/07** ( 2006.01 )  
**(87)** WO2018/002831  
**(31)** 1611239.3 **(32)** 29.06.16 **(33)** GB  
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**(43)** 04.01.2018  
**(72)** Gallo, Giuseppe  
**(74)** A.P.T. Patent and Trade Mark Attorneys
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- (71)** J.M. Sales Associates, Inc.  
**(11)** AU-A-2017275411  
**(21)** 2017275411 **(22)** 24.05.2017  
**(54)** Modular storm water retention system  
**(51)** Int. Cl.  
**E03F 1/00** ( 2006.01 )  
**(87)** WO2017/210054  
**(31)** 15/172,691 **(32)** 03.06.16 **(33)** US  
**(43)** 07.12.2017  
**(72)** Miskovich, Joseph S.  
**(74)** Griffith Hack
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- (71)** Jamstack Inc.  
**(11)** AU-A-2017275897  
**(21)** 2017275897 **(22)** 30.05.2017  
**(54)** Portable speaker system for electric string instruments  
**(51)** Int. Cl.  
**G10H 3/18** ( 2006.01 )  
**H04R 1/02** ( 2006.01 )  
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**(31)** 62/411,760 **(32)** 24.10.16 **(33)** US
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**(72)** Prendergast, Christopher James; Horvath, Dylan; Chylinski, Borys  
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- (71)** Janssen Pharmaceutica NV  
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**A61P 29/00** ( 2006.01 )  
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**C07D 405/14** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
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**C08L 51/08** ( 2006.01 )  
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 G01B 11/14 (2006.01)  
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 A61F 13/15 (2006.01)  
 B32B 5/02 (2006.01)  
 B32B 5/18 (2006.01)  
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**C07K 14/705** ( 2006.01 )
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 (51) Int. Cl.  
**C07K 14/54** ( 2006.01 )  
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**C12N 15/67** ( 2006.01 )
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**B24B 23/02** ( 2006.01 )  
**A46B 13/00** ( 2006.01 )  
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**B22F 3/15** ( 2006.01 )
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*H04W 4/08* ( 2009.01 )  
*H04W 4/10* ( 2009.01 )  
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*A61P 1/00* ( 2006.01 )  
*A61P 11/00* ( 2006.01 )  
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*A61P 25/00* ( 2006.01 )  
*A61P 25/02* ( 2006.01 )  
*A61P 25/08* ( 2006.01 )  
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*H01R 13/629* ( 2006.01 )  
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*A61P 7/08* ( 2006.01 )  
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 ammunition magazine, and ammunition  
 container for supplying a magazine of  
 said type  
 (51) Int. Cl.  
 F41A 9/34 ( 2006.01 )  
 F41A 9/79 ( 2006.01 )  
 F41A 17/38 ( 2006.01 )  
 F41A 23/24 ( 2006.01 )
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 (51) Int. Cl.  
 F02M 31/125 ( 2006.01 )  
 F02M 31/16 ( 2006.01 )  
 F02M 37/00 ( 2006.01 )
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 method for screw joint for pipe  
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 F16B 5/02 ( 2006.01 )
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 (54) Steelmaking slag for fertilizer raw ma-  
 terial, method for producing steelmak-  
 ing slag for fertilizer raw material, meth-  
 od for producing fertilizer, and fertilizer  
 application method  
 (51) Int. Cl.  
 C04B 5/00 ( 2006.01 )  
 B09B 3/00 ( 2006.01 )
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 poration  
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 terial, method for producing steelmak-  
 ing slag for fertilizer raw material, meth-  
 od for producing fertilizer, and fertilizer  
 application method  
 (51) Int. Cl.  
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 B09B 3/00 ( 2006.01 )
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 G01N 24/08 ( 2006.01 )  
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 (54) Paging enhancement for signaling op-  
 timization  
 (51) Int. Cl.  
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 H04W 4/20 ( 2009.01 )  
 H04W 8/22 ( 2009.01 )  
 H04W 48/08 ( 2009.01 )
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 Koskela, Jarkko  
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 GmbH + Co. KG  
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 transporting fish in a transporting direc-  
 tion, which is transverse to their longi-  
 tudinal extent, and fish-processing ma-  
 chine having such a transporting station  
 (51) Int. Cl.  
 A22C 25/08 ( 2006.01 )
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 C08F 265/02 ( 2006.01 )
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 fibrosis  
 (51) Int. Cl.  
 C07D 401/14 ( 2006.01 )  
 A61K 31/496 ( 2006.01 )  
 A61K 31/497 ( 2006.01 )

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**A61P 11/00** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )  
**A61P 17/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**C07D 213/75** ( 2006.01 )  
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**(31)** 62/353,098 **(32)** 22.06.16 **(33)** US  
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**(74)** Davies Collison Cave Pty Ltd
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**(21)** 2017316760 **(22)** 22.08.2017  
**(54)** Planar illuminator for ophthalmic surgery  
**(51)** Int. Cl.  
**F21V 8/00** ( 2006.01 )  
**A61B 3/00** ( 2006.01 )  
**(87)** WO2018/037346  
**(31)** 62/379,365 **(32)** 25.08.16 **(33)** US  
**(43)** 01.03.2018  
**(72)** Johnson, Andrew David  
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**B60K 6/48** ( 2007.10 )  
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 (51) Int. Cl.  
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**B60F 3/00** ( 2006.01 )
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**A63G 21/18** ( 2006.01 )  
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 (51) Int. Cl.  
**G01N 19/02** ( 2006.01 )  
**G01N 3/56** ( 2006.01 )  
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 (51) Int. Cl.  
**E01C 13/08** ( 2006.01 )  
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**H01L 31/042** ( 2006.01 )  
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     **A61K 31/47** ( 2006.01 )  
     **A61P 9/00** ( 2006.01 )  
     **A61P 39/04** ( 2006.01 )  
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 (51) Int. Cl.  
     **A47G 19/02** ( 2006.01 )  
     **F28D 20/00** ( 2006.01 )  
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 (54) Pouch filled with phase-change material and method for manufacture thereof  
 (51) Int. Cl.  
     **A47G 19/02** ( 2006.01 )  
     **B29C 45/00** ( 2006.01 )  
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     **A61K 31/42** ( 2006.01 )  
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 (51) Int. Cl.  
     **B63H 20/24** ( 2006.01 )  
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     **F01P 3/20** ( 2006.01 )  
     **F01P 7/16** ( 2006.01 )  
     **F02B 61/04** ( 2006.01 )  
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component, and related method, and a modular building column assembly  
 (51) Int. Cl.  
     **E04B 1/16** ( 2006.01 )  
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     **E04B 2/84** ( 2006.01 )  
     **E04B 5/16** ( 2006.01 )  
     **E04B 5/19** ( 2006.01 )  
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     **E04G 11/02** ( 2006.01 )  
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 (51) Int. Cl.  
     **A21D 2/26** ( 2006.01 )  
     **A21D 8/04** ( 2006.01 )  
     **C12N 9/00** ( 2006.01 )  
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 (31) 2016/5579 (32) 11.07.16 (33) BE  
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 (51) Int. Cl.  
     **G01H 1/00** ( 2006.01 )  
     **B44D 3/00** ( 2006.01 )  
     **G06F 3/0354** ( 2013.01 )  
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 (51) Int. Cl.  
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     **H04L 5/14** ( 2006.01 )  
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 (72) Li, Chih-Ping; Jiang, Jing; Ji, Tingfang  
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- (51) Int. Cl.  
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- (72) Yerramalli, Srinivas; Chen, Wanshi; Sun, Jing; Gaal, Peter
- (74) Madderns Patent & Trade Mark Attorneys
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(21) 2017301699 (22) 26.07.2017
- (54) Semi-persistent measurement reference signal (MRS) configuration
- (51) Int. Cl.  
*H04W 24/02* ( 2009.01 )
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- (54) VoLTE optimizations for eMTC devices
- (51) Int. Cl.  
*H04L 5/00* ( 2006.01 )
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- (54) Beam selection and refinement during a random access channel (RACH) procedure
- (51) Int. Cl.  
*H04W 74/08* ( 2009.01 )  
*H04B 7/06* ( 2006.01 )  
*H04W 16/28* ( 2009.01 )  
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- (72) Nagaraja, Sumeeth; Luo, Tao
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- (54) Co-existence of reliable low latency and other services in a wireless network
- (51) Int. Cl.  
*H04W 72/04* ( 2009.01 )  
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- (31) 62/371,063 (32) 04.08.16 (33) US  
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(11) AU-A-2017302566  
(21) 2017302566 (22) 26.07.2017
- (54) Circuits and methods providing electronic band gap (EBG) structures at memory module electrical coupling
- (51) Int. Cl.  
*H05K 1/02* ( 2006.01 )  
*G06F 13/40* ( 2006.01 )
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- (72) Pathmanathan, Priyatharshan
- (74) Madderns Patent & Trade Mark Attorneys
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(11) AU-A-2017305147  
(21) 2017305147 (22) 10.07.2017
- (54) Coordination of signaling and resource allocation in a wireless network using radio access technology
- (51) Int. Cl.  
*H04W 72/12* ( 2009.01 )
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- (31) 15/412,362 (32) 23.01.17 (33) US  
62/370,900 04.08.16 US
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- (72) Hampel, Karl Georg; Subramanian, Sundar; Li, Junyi; Islam, Muhammad Nazmul; Abedini, Navid
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(21) 2017305148 (22) 10.07.2017
- (54) Dynamic resource allocation in a wireless network with wireless backhaul
- (51) Int. Cl.  
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*H04W 92/20* ( 2009.01 )
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- (31) 62/370,860 (32) 04.08.16 (33) US  
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- (72) Hampel, Karl Georg; Li, Junyi; Subramanian, Sundar; Islam, Muhammad Nazmul; Abedini, Navid
- (74) Madderns Patent & Trade Mark Attorneys
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(11) AU-A-2017308552  
(21) 2017308552 (22) 12.07.2017
- (54) Link establishment in a wireless backhaul network using radio access technology
- (51) Int. Cl.  
*H04L 5/00* ( 2006.01 )  
*H04W 56/00* ( 2009.01 )  
*H04W 92/04* ( 2009.01 )  
*H04B 7/06* ( 2006.01 )  
*H04J 11/00* ( 2006.01 )
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- (31) 62/373,743 (32) 11.08.16 (33) US  
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- (43) 15.02.2018
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(11) AU-A-2017308831  
(21) 2017308831 (22) 08.08.2017
- (54) Color remapping information sei message signaling for display adaptation
- (51) Int. Cl.  
*H04N 19/70* ( 2014.01 )  
*H04N 19/186* ( 2014.01 )  
*H04N 19/46* ( 2014.01 )  
*H04N 19/85* ( 2014.01 )
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- (31) 15/670,832 (32) 07.08.17 (33) US  
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- (72) Sole Rojals, Joel; Bugdayci Sansli, Done; Ramasubramonian, Adarsh Krishnan; Rusanovskyy, Dmytro
- (74) Madderns Patent & Trade Mark Attorneys
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- (74) Madderns Patent & Trade Mark Attorneys
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- (71) Qualcomm Incorporated  
(11) AU-A-2017305962  
(21) 2017305962 (22) 28.07.2017
- (54) Beam refinement for active and candidate beams
- (51) Int. Cl.  
*H04B 7/06* ( 2006.01 )  
*H04B 7/08* ( 2006.01 )  
*H04W 72/04* ( 2009.01 )
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- (31) 62/369,642 (32) 01.08.16 (33) US  
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- (43) 08.02.2018
- (72) Sadiq, Bilal; Sampath, Ashwin; Luo, Tao; Cezanne, Juergen; Subramanian, Sundar; Islam, Muhammad Nazmul; Gorokhov, Alexei Yurievitch; Patel, Shrenik; Li, Junyi
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- (71) Qualcomm Incorporated  
(11) AU-A-2017308552  
(21) 2017308552 (22) 12.07.2017
- (54) Link establishment in a wireless backhaul network using radio access technology
- (51) Int. Cl.  
*H04L 5/00* ( 2006.01 )  
*H04W 56/00* ( 2009.01 )  
*H04W 92/04* ( 2009.01 )  
*H04B 7/06* ( 2006.01 )  
*H04J 11/00* ( 2006.01 )
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- (43) 15.02.2018
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(21) 2017308831 (22) 08.08.2017
- (54) Color remapping information sei message signaling for display adaptation
- (51) Int. Cl.  
*H04N 19/70* ( 2014.01 )  
*H04N 19/186* ( 2014.01 )  
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*H04N 19/85* ( 2014.01 )
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 (11) AU-A-2017309166  
 (21) 2017309166 (22) 01.06.2017  
 (54) Methods and apparatuses for power allocation across multiple carriers using shared and dedicated radio frequency spectrum  
 (51) Int. Cl.  
*H04W 52/34* ( 2009.01 )  
*H04W 52/38* ( 2009.01 )  
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 (31) 62/372,696 (32) 09.08.16 (33) US  
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 (72) Yerramalli, Srinivas; Chen, Wanshi; Gaal, Peter; Zhang, Xiaoxia  
 (74) Madderns Patent & Trade Mark Attorneys

(71) Qualcomm Incorporated  
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 (21) 2017310952 (22) 10.07.2017  
 (54) Congestion control for LTE-V2V with decode-based channel busy ratio determination  
 (51) Int. Cl.  
*H04W 28/02* ( 2009.01 )  
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 (31) 62/372,756 (32) 09.08.16 (33) US  
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 (72) Gulati, Kapil; Gupta, Gaurav; Patil, Shailesh; Papaleo, Marco  
 (74) Madderns Patent & Trade Mark Attorneys

(71) Qualcomm Incorporated  
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 (21) 2017311483 (22) 10.08.2017  
 (54) Techniques for managing a logical traffic connection that uses data aggregation  
 (51) Int. Cl.  
*H04W 72/12* ( 2009.01 )  
*H04W 88/06* ( 2009.01 )  
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 (31) 62/374,540 (32) 12.08.16 (33) US  
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 (43) 15.02.2018  
 (72) Ozturk, Ozcan; Meylan, Arnaud; Veerapalli, Sivaramakrishna  
 (74) Madderns Patent & Trade Mark Attorneys

(71) Quick Play Sport Ltd  
 (11) AU-A-2017266504  
 (21) 2017266504 (22) 15.05.2017  
 (54) Crossbar connector and corner connector for a sports goal  
 (51) Int. Cl.  
*A63B 63/00* ( 2006.01 )  
 (87) WO2017/199011  
 (31) 1608680.3 (32) 17.05.16 (33) GB  
 (43) 23.11.2017  
 (72) Crosby, Steven  
 (74) Cotters Patent & Trade Mark Attorneys

(71) Q-Yield Outdoor Gear Ltd.  
 (11) AU-A-2017380535  
 (21) 2017380535 (22) 29.06.2017  
 (54) Foldable vehicle roof tent  
 (51) Int. Cl.  
*E04H 15/00* ( 2006.01 )  
*E04H 15/08* ( 2006.01 )  
*E04H 15/48* ( 2006.01 )  
*E04H 15/54* ( 2006.01 )  
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 (72) Zhou, Nanqing; Mao, Muhua; Chen, Ming  
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 (21) 2017272971 (22) 27.02.2017  
 (54) Outer cap of medicinal fluid injection instrument  
 (51) Int. Cl.  
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     C07F 9/6533 ( 2006.01 )  
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     H03G 1/02 ( 2006.01 )  
     H04W 4/00 ( 2009.01 )  
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**H04H 20/59** ( 2008.01 )  
**H04L 27/26** ( 2006.01 )  
**H04N 21/235** ( 2011.01 )  
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**B07C 5/34** ( 2006.01 )  
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A61C 8/00 (2006.01)  
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G01T 1/28 (2006.01)  
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*A01N 41/10* ( 2006.01 )  
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<b>2016407019</b>	MTI Group Pty Ltd	<b>2017263555</b>	Vista Outdoor Operations LLC
<b>2016407540</b>	MTI Group Pty Ltd	<b>2017264163</b>	Beijing Jingdong Shangke Information Technology Co., Ltd.; Beijing Jingdong Century Trading Co., Ltd.
<b>2016407566</b>	Argangle Technology Co., Ltd		EIZO Corporation
<b>2016407745</b>	The State of Israel, Ministry of Agriculture & Rural Development, Agricultural Research Organization (ARO) (Volcani Center); Yissum Research Development Company of the Hebrew University of Jerusalem Ltd.	<b>2017265620</b>	Tachikawa Corporation
		<b>2017265683</b>	Nippon Premium Co., Ltd
<b>2016407806</b>	Qiu, Z.H.	<b>2017265781</b>	LG Electronics Inc.
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<b>2016407875</b>	Glory Ltd.	<b>2017265896</b>	SPEX Corporate Holdings Ltd
<b>2016408376</b>	Shafer, K.	<b>2017265923</b>	Oranmore Environmental Services Ltd
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<b>2016410102</b>	Mara Renewables Corporation	<b>2017266626</b>	VRV Srl
<b>2016410305</b>	Provost, B.	<b>2017266684</b>	IP Full Asset Limited
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<b>2016410631</b>	Facebook, Inc.	<b>2017266810</b>	LG Electronics Inc.
<b>2016410645</b>	Outotec (Finland) Oy	<b>2017266811</b>	LG Electronics Inc.
<b>2016411402</b>	United States Gypsum Company	<b>2017266813</b>	LG Electronics Inc.
<b>2016411413</b>	Cargill, Incorporated	<b>2017266814</b>	LG Electronics Inc.
<b>2016411502</b>	Dow Global Technologies LLC; Rohm And Haas Company	<b>2017266814</b>	ModernaTX, Inc.
		<b>2017266929</b>	Volta Networks
<b>2016411853</b>	Dow Global Technologies LLC; Rohm And Haas Company	<b>2017266957</b>	Xylem IP Management S.à r.l.
		<b>2017267092</b>	LG Electronics Inc.
<b>2016412179</b>	Soletanche Freyssinet	<b>2017267155</b>	BSN Medical GmbH
<b>2016412299</b>	Korea Research Institute of Bioscience and Biotechnology	<b>2017267176</b>	Idorsia Pharmaceuticals Ltd
		<b>2017267194</b>	LG Electronics Inc.
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<b>2016412624</b>	Kimberly-Clark Worldwide, Inc.	<b>2017267543</b>	Alberta Veterinary Laboratories Ltd
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<b>2016412926</b>	Kimberly-Clark Worldwide, Inc.	<b>2017268025</b>	Wymac Gaming Solutions Pty Ltd
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<b>2016420481</b>	Covidien LP	<b>2017269418</b>	The Regents of The University of California
<b>2016423067</b>	Halliburton Energy Services, Inc.	<b>2017269557</b>	MAKO Surgical Corp.
<b>2016423192</b>	Cascade Corporation	<b>2017269603</b>	2581776 Ontario Inc.



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

2017269610	Gries, G.	2017274414	Cargill, Incorporated
2017269675	Merck Patent GmbH; Pfizer Inc.	2017274420	Anatropo, Inc.
2017269726	Merck Patent GmbH	2017274515	Sawstop Holding LLC
2017269860	Immatics Biotechnologies GmbH	2017274563	Goebel Quintana, A.A.
2017269881	Taghleef Industries S.p.A. Con Socio Unico	2017274575	New Crescent Pty Ltd
2017269884	Steelco S.p.A.	2017274579	Tomm Tech Pty Ltd
2017270014	SURYS; Institut Mines-Telecom	2017274582	Wildfire Energy Pty Ltd
2017270234	INSERM (Institut National de la Santé et de la Recherche Médicale); Université Paris-Sud; Université Paris Descartes; Assistance Publique-Hôpitaux de Paris (APHP)	2017274649	M et P Pharma AG
2017270400	Canon Kabushiki Kaisha	2017274657	Genesys Telecommunications Laboratories, Inc.
2017270401	Canon Kabushiki Kaisha	2017274722	Atreya Innovations Private Limited
2017270402	Canon Kabushiki Kaisha	2017275209	Taiho Pharmaceutical Co., Ltd.
2017270403	Canon Kabushiki Kaisha	2017275358	Te?ted Oy
2017270586	Vista Outdoor Operations LLC	2017275361	Becton Dickinson Rowa Germany GmbH
2017270598	Sarepta Therapeutics, Inc.	2017275411	J.M. Sales Associates, Inc.
2017270662	Organisation Mecanographique et Comptable Gervais OMC Gervais	2017275573	ELC Management LLC
2017270686	Metalysis Limited	2017275632	Sanofi-Aventis Deutschland GmbH
2017270800	Perkins Engines Company Limited	2017275650	Caponigro, G.; Cao, Z.
2017270858	CStone Pharmaceutical (Suzhou) Co., Ltd.; CStone Pharmaceuticals (Shanghai) Co., Ltd.; CStone Pharmaceuticals	2017275683	Kverneland Group Kerteminde A/S
2017270904	Imperial Innovations Limited	2017275796	Nexter Systems
2017270923	Inova Design Solutions Ltd	2017275843	Brandenburg (UK) Limited
2017270975	Sarepta Therapeutics, Inc.	2017275844	Dr. Reddy's Laboratories Ltd.
2017270976	Master Blaster Proprietary Limited	2017275897	Jamstack Inc.
2017271003	SINTEF TTO AS	2017276139	Petroleum Technology Company AS
2017271019	Flexinnova Kft	2017276507	Giesecke+Devrient Currency Technology GmbH
2017271204	Bluedrop Medical Ltd	2017276611	Vito NV (Vlaamse Instelling Voor Technologisch Onderzoek NV)
2017271205	Bluedrop Medical Ltd	2017276620	Snipr Technologies Limited
2017271234	Rheinmetall Defence Electronics GmbH	2017276748	Vorwerk & Co. Interholding GmbH
2017271392	Colarusso, C.; Ruggero, V.	2017276751	Vorwerk & Co. Interholding GmbH
2017271407	Rayner Intraocular Lenses Limited	2017276754	Vorwerk & Co. Interholding GmbH
2017271458	Nerviano Medical Sciences S.R.L.	2017276790	Commonwealth Scientific and Industrial Research Organisation
2017271535	San Diego State University Research Foundation; CareWear Corp	2017276794	Club Gaming Pty Ltd
2017271588	Agenus Inc.	2017276798	Solar Sailor Pty Ltd
2017271665	Transcriptx, Inc.	2017276972	Dong, B.
2017272058	Novozymes Bioag A/S	2017277005	SunRegen Healthcare AG
2017272109	Momenta Pharmaceuticals, Inc.	2017277065	Medizinische Universität Wien
2017272111	Momenta Pharmaceuticals, Inc.	2017277070	Alethia Life Sciences AG
2017272376	Chung, C.	2017277098	Luteiden Torjunta Helle Oy
2017272383	Globachem NV; Katholieke Universiteit Leuven; VIB VZW	2017277199	Fisher & Paykel Appliances Limited
2017272502	Sanofi-Aventis Deutschland GmbH	2017277222	Clariant International Ltd
2017272681	Outotec (Finland) Oy	2017277293	Sapphire Motors
2017272764	Upcon Corporation; Matsudo, N.	2017277399	Xslent Energy Technologies, LLC
2017272786	Husqvarna AB	2017277411	AT&T Intellectual Property I, L.P.
2017272787	Husqvarna AB	2017277414	AT&T Intellectual Property I, L.P.
2017272862	Sanofi	2017277415	AT&T Intellectual Property I, L.P.
2017272916	Liquid Intellect International Pty. Ltd.	2017277417	AT&T Intellectual Property I, L.P.
2017272967	Decathlon	2017277437	AT&T Intellectual Property I, L.P.
2017272971	Ra, Y.	2017277557	Caterpillar Inc.
2017273138	Taylor Kerr (Couplings) Limited	2017277612	Vorwerk & Co. Interholding GmbH
2017273169	Samsung Life Public Welfare Foundation	2017277622	Tomasson, K.; The Coca-Cola Company
2017273170	Samsung Life Public Welfare Foundation	2017277641	Ensync, Inc.
2017273194	Kozmann, G.	2017277703	Baker Hughes, a GE Company, LLC
2017273199	Cejnar, M.	2017277747	Regulaxis
2017273247	Davidson, G.	2017277804	ICU Medical, Inc.
2017273252	Simões Alves Vieira, A.	2017277985	Dow AgroSciences LLC
2017273450	United Surgical, Inc.	2017277989	Omega Ophthalmics LLC
2017273551	Transocean Innovation Labs Ltd	2017278032	Uber Technologies, Inc.
2017273675	Ball Europe GmbH	2017278058	Gagnon Family Trust
2017273700	Future Technologies in Sport, Inc.	2017278102	Arena Pharmaceuticals, Inc.
2017273871	Novacyte, Inc.	2017278129	ELC Management LLC
2017274077	Southern Innovation International Pty Ltd	2017278154	Pacadar, SA
2017274079	Southern Innovation International Pty Ltd	2017278241	PerkinElmer Health Sciences, Inc.; Itomography Corp.; University of Central Florida Research Foundation, Inc.
2017274080	AMLab	2017278256	Yakima Products, Inc.
2017274350	Samumed, LLC	2017278479	KMS Projects Limited
2017274362	Genan Holding A/S	2017278547	LG Electronics Inc.
		2017278615	Softwave Medical Ltd.
		2017278816	Mocall Limited
		2017279030	Electrolux Home Products, Inc.
		2017279481	Raytheon Company
		2017279669	Technolite (Singapore) Pte Ltd

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

2017279889	Miller, M.; Fink, P.; Ostergaard, R.; Kristiansen, M.; Salka, B.	2017282091	Kudos Blends Ltd
2017279984	MasterCard International Incorporated	2017282098	Sunamp Limited
2017280014	University of North Texas	2017282135	Sony Corporation
2017280043	Technip France	2017282153	Genesis Technologies Limited
2017280057	Coravin, Inc.	2017282156	University of Canberra
2017280099	The University of Melbourne; The Walter and Eliza Hall Institute of Medical Research	2017282172	Golden Renewable Energy, LLC
2017280101	Boomer Advanced Manufacturing Solutions Pty Ltd	2017282187	Kuster, M.
2017280108	Cleverbons Pty Ltd	2017282246	Airobotics Ltd.
2017280114	Weir Minerals Australia Ltd	2017282247	Airobotics Ltd.
2017280145	Alert Technologies Inc.	2017282515	Otsuka Pharmaceutical Factory, Inc.
2017280203	Evapco, Inc.	2017282588	Samsung Heavy Ind. Co.,Ltd
2017280205	ViewRay Technologies, Inc.	2017282642	Corning Optical Communications LLC
2017280206	Proteostasis Therapeutics, Inc.	2017282653	Orion Ophthalmology LLC
2017280237	AMO Development, LLC	2017282665	NociMed, Inc.; The Regents of The University of California; Bradford, D.S.; Magnitsky, S.G.; Dudli, S.
2017280334	The Regents of the University of California; AtlasMedx, Inc	2017282672	Phenox GmbH
2017280335	The Regents of the University of California	2017282891	KBP Biosciences Co., Ltd.
2017280359	University of Iowa Research Foundation	2017282945	Pattke, J.; Lenze, W.; Nea International B.V.
2017280368	Diversey, Inc.	2017283040	Monti-Werkzeuge GmbH
2017280412	Shanghai Fochon Pharmaceutical Co., Ltd.; Fochon Pharmaceuticals, Ltd.	2017283123	SUEZ Groupe
2017280498	Liebherr-Components Kirchdorf GmbH	2017283158	Algentech
2017280860	Rovi Guides, Inc.	2017283194	Medicem Institute S.R.O.
2017280928	General Electric Company	2017283226	Kuster, M.
2017280943	The Board of Trustees of the Leland Stanford Junior University; Emory University	2017283257	Soreq Nuclear Research Center; Security Matters Ltd.
2017281088	The United States Of America, as represented by the Secretary Department of Health and Human Services; The University of North Carolina at Chapel Hill	2017283345	Sumitomo Metal Mining Co., Ltd.
2017281110	B9creations, LLC	2017283407	Suzhou Yabao Pharmaceutical R&D Co., Ltd.; LifeArc
2017281189	GE Healthacres AS	2017283463	Massachusetts Institute of Technology; The Children's Medical Center Corporation
2017281193	Energy Frontier Solutions S.I.	2017283511	Drug Delivery Solutions ApS
2017281226	DJO, LLC	2017283531	Winner Water Services
2017281237	Mastix, LLC	2017283553	Decision Sciences International Corporation
2017281243	Square, Inc.	2017283590	Nordischer Maschinenbau Rud. Baader GmbH + Co. KG
2017281305	Inventio AG	2017283645	24/7 Customer, Inc.
2017281328	Arla Foods AmbA	2017283658	United Therapeutics Corporation
2017281368	3M Innovative Properties Company	2017283685	Indo Count Industries Limited
2017281406	Koninklijke Nederlandse Akademie van Wetenschappen	2017283724	Procyon, Inc.
2017281407	Xeda International S.A.	2017283809	Watgrid, Lda.
2017281426	The Scripps Research Institute	2017283977	Benarx Solutions AS
2017281442	Polaris Industries Inc.	2017283978	Brough, S.
2017281513	3M Innovative Properties Company	2017283979	LIC Automation Limited
2017281514	New Health Sciences, Inc.	2017284000	United States Gypsum Company
2017281531	Emory University	2017284202	Biogen MA Inc.
2017281588	Bruckbauer, W.	2017284729	LG Electronics Inc.
2017281613	Moore, M.	2017284764	Sensor Communication As
2017281631	Tithon Biotech, Inc.	2017284797	dormakaba Switzerland Ltd
2017281660	Fundación Tecnalia Research & Innovation; Universidad De Córdoba; Servicio Andaluz De Salud; Universidad De Málaga	2017284866	Arthrex, Inc
2017281686	Savox Communications OY AB (Ltd)	2017284889	Joh. Friedrich Behrens AG
2017281699	3M Innovative Properties Company	2017284946	Apple Inc.
2017281706	The Regents of the University of Colorado	2017284964	Polaris Industries, Inc.
2017281735	PGS Geophysical AS	2017285036	Global Infrastructure Management, LLC
2017281743	Université de Versailles-St Quentin en Yvelines; Assistance Publique - Hopitaux de Paris	2017285191	COBEX GmbH
2017281744	Fundación Para La Investigación Biomédica Del Hospital Gregorio Marañón	2017285209	BGC Partners, Inc.
2017281816	De La Rue International Limited	2017285213	University of Pittsburgh - of The Commonwealth System of Higher Education
2017281894	3M Innovative Properties Company	2017285224	Regents of The University of Minnesota
2017281902	3M Innovative Properties Company	2017285321	CVR Global, Inc.
2017281906	3M Innovative Properties Company	2017285444	Cargill, Incorporated
2017281911	Alcoa USA Corp.	2017285460	Intex Recreation Corp.
2017281931	Civitas Therapeutics, Inc.	2017285469	Merctech Pty Ltd
2017281980	Novartis AG	2017285474	Justoy Pty Ltd
2017281997	Storengy	2017285479	Commonwealth Scientific and Industrial Research Organisation
2017282030	MTD Products Inc	2017285699	Rayner, D.
2017282087	Insurgo Media Services Ltd	2017285701	Pinssar Holdings Pty Ltd
		2017285708	Triteck Limited
		2017285709	The University of Sydney
		2017285710	Think Tank 42 Pty. Ltd.
		2017285724	ShawCor Ltd.
		2017285813	Daewoong Pharmaceutical Co., Ltd.; Green Cross Corporation
		2017285943	Telefield Medical Imaging Limited

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

2017285945	Telefield Medical Imaging Limited	2017288809	Schlumberger Technology B.V.
2017285966	Husqvarna AB	2017288857	THUR S.R.L.
2017286096	Mimetas B.V.	2017288899	EP Pharma LLC
2017286128	The Trustees of the University of Pennsylvania	2017288910	Havi Global Solutions, LLC
2017286154	Dow Global Technologies LLC; Rohm and Haas Company	2017288958	Carlsberg Breweries A/S
2017286166	Joh. Friedrich Behrens AG	2017288960	Carlsberg A/S
2017286309	M.E.P. Macchine Elettroniche Piegatrici S.p.A.	2017288985	Agomab Therapeutics Bvba
2017286335	Teewinot Technologies Limited	2017289114	British American Tobacco (Investments) Limited
2017286361	Pierre Fabre Dermo-Cosmetique	2017289122	Inventio AG
2017286475	CopSonic	2017289194	Baylor College of Medicine
2017286554	Viavi Solutions Inc.	2017289204	F. Hoffmann-La Roche AG
2017286616	Reckitt Benckiser (Brands) Limited	2017289210	Institut National Des Radioéléments
2017286628	Upside Energy Ltd.	2017289215	Inventio AG
2017286634	SMAM Ltd	2017289220	CarbonX B.V.
2017286656	Ojai Energetics PBC	2017289257	3M Innovative Properties Company
2017286659	Ojai Energetics PBC	2017289267	Gala Therapeutics, Inc.; Waldstreicher, J.; Krinsky, W.; Zarins, D.; Beetel III, R.; Friedrichs, P.; Taylor, J.; Tur-ovskiy, R.; Long, G.
2017286681	JUUL Labs, Inc.	2017289278	Ohio State Innovation Foundation
2017286684	Powerfield Energy LLC	2017289296	King Furniture Australia Pty Ltd
2017286715	The General Hospital Corporation	2017289299	Probalco BVBA
2017286720	Shrieve Chemical Products, Inc.	2017289300	Probalco BVBA
2017286771	Tata Consultancy Services Limited	2017289317	Janssen Pharmaceutica NV
2017286777	Southern Implants (Pty) Ltd	2017289326	Inventio AG
2017286813	Marquette University	2017289362	Nippon Steel & Sumitomo Metal Corporation; Vallourec Oil and Gas France
2017286831	Eit Emerging Implant Technologies GmbH	2017289405	Thüringisches Institut für Textil- und Kunststoff-Forschung e.V.
2017286852	Cellix Bio Private Limited	2017289450	The United States Of America, as represented by the Secretary Department of Health and Human Services
2017286890	Novira Therapeutics, Inc.	2017289488	SafKan, Inc.
2017286943	GlaxoSmithKline Intellectual Property (No.2) Limited	2017289548	Engie
2017286947	Italicus Ltd	2017289560	Lesaffre et Compagnie
2017286979	Dignity Health	2017289696	BAE Systems Plc
2017286980	Arbutus Biopharma Corporation	2017289718	Trelleborg Offshore Uk Ltd
2017286982	The United States of America, as represented by the Secretary, Department of Health and Human Services; Loyola University of Chicago	2017289782	GC Corporation
2017286989	Dompe' Farmaceutici S.p.A.	2017289974	Universite de Montreal; Bristol-Myers Squibb Company
2017286995	Yehi Or Light Creation Limited	2017289987	Gennova Biopharmaceuticals Limited,
2017287016	Future Energy Investments Pty Ltd	2017290047	Alma Mater Studiorum - Università Di Bologna; Amicus Therapeutics, Inc.
2017287017	Bluechiip Limited	2017290098	Wiiiv Wearables Inc.
2017287141	Sony Corporation	2017290107	CannScience Innovations Inc.
2017287229	Sharp Kabushiki Kaisha	2017290139	Kezar Life Sciences
2017287304	Alibaba Group Holding Limited	2017290142	Brio Device LLC
2017287461	Shanghai Institute of Materia Medica, Chinese Academy of Sciences; Ningbo Ziyuan Pharmaceuticals Inc.	2017290147	Kezar Life Sciences
2017287517	Mitsui Medical Commerce Co., Ltd.	2017290256	Otonomy, Inc.
2017287534	Kuraray Noritake Dental Inc.; YOSHINO Kogyosho Co., Ltd.	2017290267	Amazon Technologies, Inc.
2017287619	Beijing 7invensun Technology Co., Ltd.	2017290344	GC Corporation
2017287704	Tgr Biosciences Pty Limited	2017290362	G1 Therapeutics, Inc.
2017287746	Glaceum, Inc.	2017290369	AMO Development, LLC
2017287777	De Greef's Wagen-, Carrosserie- En Machinebouw B.V.	2017290387	Pax Water Technologies Inc.
2017287791	Fisher & Paykel Healthcare Limited	2017290407	Evonik Degussa GmbH
2017287818	Trelleborg Offshore Uk Ltd	2017290411	Gustav Klauke GmbH
2017287886	EIT Emerging Implant Technologies GmbH	2017290420	Rheinmetall Waffe Munition GmbH
2017287919	Orion Corporation	2017290519	Kyoto University; Nipro Corporation
2017287997	Healios K.K.; Sumitomo Dainippon Pharma Co., Ltd.	2017290554	The Board of Trustees of The Leland Stanford Junior University; The Board of Trustees of the Leland Stanford Junior University
2017288035	Ltd "Valenta-Intellekt"	2017290556	Cynosure, Inc.
2017288054	NMR Services Australia	2017290558	Regents of the University of Minnesota
2017288056	Prana Biotechnology Limited	2017290569	University Of Louisville Research Foundation, Inc.
2017288057	776BC International Pty Ltd	2017290686	TAE Technologies, Inc.
2017288108	Extremity Development Company, LLC	2017290706	Perkinelmer Health Sciences, Inc.
2017288229	Trellis Bioscience, LLC	2017290713	Steris Inc.
2017288246	3M Innovative Properties Company	2017290723	Affinity Tool Works, LLC
2017288263	Corning Optical Communications LLC	2017290724	Machavert Pharmaceuticals LLC
2017288264	Corning Optical Communications LLC	2017290741	Amazon Technologies, Inc.
2017288465	Asamedic AS	2017290742	Vapotherm, Inc.
2017288521	Wavin B.V.	2017290748	G1 Therapeutics, Inc.
2017288544	Katholieke Universiteit Leuven	2017290755	Novira Therapeutics, Inc.
2017288581	Nokia Technologies Oy	2017290805	Research Development Foundation
2017288641	Hoya Corporation	2017290839	Wells Fargo Bank, N.A.
2017288642	Hoya Corporation		
2017288693	E.ON SE		

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

2017290878	Square, Inc.	2017293982	Bonatrans Group A.S.
2017290894	Arrakis Therapeutics, Inc.	2017294066	Novozymes A/S
2017290900	Evolve Biosystems Inc.	2017294067	Novozymes A/S
2017290904	Adtran, Inc.	2017294126	Saipem S.P.A.
2017291011	Amcor Flexibles Capsules France	2017294140	De Beers UK Limited
2017291053	Suez Groupe	2017294218	Shandong Yunqing Enviromental Sci-Tech Co., Ltd
2017291131	Magic Leap, Inc.	2017294245	Magang (Group) Holding Co., Ltd.; Maanshan Iron & Steel Co., Ltd.
2017291162	Dentsply IH AB	2017294246	Magang (Group) Holding Co., Ltd.; Maanshan Iron & Steel Co., Ltd.
2017291242	Pierre Fabre Dermo-Cosmetique	2017294325	Spax International Gmbh & Co. Kg
2017291252	Ipsen Biopharm Limited	2017294413	Karl Leibinger Medizintechnik GmbH & Co. KG
2017291280	Vollmar, M.	2017294486	Flexicare (Group) Limited
2017291295	Marshall, J.	2017294574	V-Zug AG
2017291455	Dawson Construction Plant Limited	2017294604	Hyperion Semiconductors Oy
2017291464	Syri Ltd	2017294642	Mereo BioPharma 1 Limited
2017291584	Samsung Electronics Co., Ltd.	2017294643	Mereo Biopharma 1 Limited
2017291679	Johnson & Johnson Consumer Inc.	2017294652	4D Pharma PLC
2017291702	Memorial Sloan Kettering Cancer Center; Cornell University	2017294969	LEO Pharma A/S
2017291704	Gogo LLC	2017294979	Proteomedix AG
2017291705	Gogo LLC	2017295019	Borealis AG
2017291713	Motorola Solutions, Inc.	2017295131	American Sterilizer Company
2017291724	Timilon Technology Acquisitions LLC	2017295312	NewSouth Innovations Pty Limited
2017291727	California Institute of Technology	2017295410	Polytex Sportbeläge Produktions-GmbH; Labosport International
2017291838	The Regents of the University of Michigan	2017295578	Trends Home Electrical Pte. Ltd.
2017291842	Board of Regents, The University of Texas System	2017295610	Nunhems B.V.
2017291843	Mel-Mont Medical, LLC	2017295751	Puratos NV
2017291923	Shanta III, C.R.; Alcoa Usa Corp.	2017295805	Kitty Hawk Corporation
2017291934	Moricca, S.; Persaud, R.	2017295817	Covestro LLC, et al.; Bayer CropScience LP
2017291956	Akzo Nobel Chemicals International B.V.	2017295818	Covestro LLC, et al.; Bayer CropScience LP; Covestro Deutschland AG
2017291960	BioMarin Technologies B.V.	2017295819	Covestro LLC, et al; Bayer CropScience LP
2017292052	Solo Gelato Ltd.	2017295866	Achaogen, Inc.
2017292168	Kuster, M.	2017295951	De La Rue International Limited
2017292391	Linnane Pharma AB	2017296007	Crown Packaging Technology, Inc.
2017292403	Fisher & Paykel Healthcare Limited	2017296095	Genmab A/S; BioNTech AG
2017292404	ADIGE S.P.A.	2017296119	Embody Orthopaedic Ltd
2017292522	Ono Pharmaceutical Co., Ltd.	2017296200	The Board of Trustees of The University of Arkansas
2017292582	American Gene Technologies International Inc.	2017296383	AMVAC C.V.
2017292652	LifeCell Corporation	2017296963	Optim Fire Essentials Pty. Ltd.
2017292669	Pivazyan, A.	2017297057	Taiyo Nippon Sanso Corporation
2017292730	Grapplifix Limited	2017297672	Hilti Aktiengesellschaft
2017292751	Bayer Healthcare LLC	2017297739	FN Herstal S.A.
2017292791	Direct Corporation	2017297978	Fisher & Paykel Healthcare Limited
2017292847	AMO Wavefront Sciences, LLC	2017298009	Kunkel, B.
2017292861	Persaud, R.; Moller, J.; Taylor, D.; Guey, P.; Orcutt, C.	2017298019	ICDSOFT Ltd
2017292900	Commonwealth Scientific and Industrial Research Organisation	2017298209	Bayer Healthcare LLC
2017292917	AMO Development, LLC	2017298447	MasterCard International Incorporated
2017292934	The Board of Trustees of the Leland Stanford Junior University; Bolt Biotherapeutics, Inc.	2017298557	King Furniture Australia Pty Ltd
2017292936	F1 Oncology, Inc.	2017298882	BASF SE
2017293049	Siemens Aktiengesellschaft	2017299043	Casale SA
2017293074	Siemens Mobility GmbH	2017299069	Hilti Aktiengesellschaft
2017293129	TOMRA Systems ASA	2017299081	IFP Energies Nouvelles; Institut National De La Recherche Agronomique; Agro Industries Recherche et Developpement
2017293271	Jeil Pharmaceutical Co., Ltd.	2017299131	Lantmännen AS-Faktor AB
2017293297	Interface European Manufacturing B.V.	2017299219	AC Immune S.A.; Piramal Imaging SA
2017293303	Equinor Energy AS	2017299447	Siemens Healthcare Diagnostics Inc.
2017293323	Singapore Health Services Pte Ltd; Dirani, M.	2017299469	Shell Internationale Research Maatschappij B.V.
2017293336	Johnson & Johnson Vision Care, Inc.	2017299581	Aerpio Therapeutics, Inc.
2017293338	Johnson & Johnson Vision Care, Inc.	2017299597	Exact Sciences Development Company, LLC
2017293369	Manufacturing Resources International, Inc.	2017299615	Conagen Inc.
2017293428	Golden Renewable Energy	2017300033	DSM IP Assets B.V.
2017293435	Clip Eyewear Limited	2017300097	Mobileye Vision Technologies Ltd.
2017293441	Mainstay Medical Limited	2017300166	Shell Internationale Research Maatschappij B.V.
2017293442	Mainstay Medical Limited	2017300273	Dexcom, Inc.
2017293646	PT Blink Limited	2017300534	Exact Sciences Development Company, LLC
2017293656	Commonwealth Scientific And Industrial Research Organisation	2017300611	Polytex Sportbeläge Produktions-GmbH
2017293746	Samsung Electronics Co., Ltd.	2017300621	Siemens Aktiengesellschaft
2017293758	Auckland UniServices Limited	2017300718	Syngenta Participations AG
2017293769	Balaster, A.	2017300845	Flamel Ireland Ltd.
2017293931	Harandi, O.; Khanwalkar, U.; Hariharan, S.; Rubius Therapeutics, Inc.		

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

2017301093	Form 700 Pty Ltd	2017342154	Tata Consultancy Services Limited
2017301103	Darestani, A.	2017352603	Yueqing Yewei Electric Co., Ltd
2017301213	Sony Semiconductor Solutions Corporation	2017364482	Griffin, M.A.
2017301310	Showa Shell Sekiyu K. K.	2017366138	South China University of Technology; Guangzhou Huaxinke Intelligent Manufacturing Technology Co., Ltd.
2017301426	Facebook, Inc.	2017372921	Tata Consultancy Services Limited
2017301445	Qualcomm Incorporated	2017377443	Mitsubishi Heavy Industries Thermal Systems, Ltd.
2017301462	Qualcomm Incorporated	2017377670	Ceddy Pty Ltd
2017301488	Retrophin, Inc.	2017380535	Q-Yield Outdoor Gear Ltd.
2017301600	Biomarin Pharmaceutical Inc.	2017390078	Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.
2017301699	Qualcomm Incorporated	2017391885	CRRC Dalian Co.,Ltd.
2017301970	Belgian Volition SPRL	2017396539	GC Corporation
2017302136	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.; Vaxxilon AG	2017401053	Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.
2017302266	MasterCard International Incorporated	2017403346	Chrysos Corporation Limited
2017302330	University Of Virginia Patent Foundation	2017404563	China University of Mining and Technology
2017302375	De Greef's Wagen-, Carrosserie- en Machinebouw B.V.	2017407999	Schergain Holdings Ltd.
2017302417	Qualcomm Incorporated	2017408659	Roth, H.
2017302500	Qualcomm Incorporated	2017409830	Ping An Technology (Shenzhen) Co., Ltd.
2017302566	Qualcomm Incorporated	2017410523	Beijing Didi Infinity Technology and Development Co., Ltd.
2017302833	Hitachi, Ltd.	2017416079	Beijing Didi Infinity Technology and Development Co., Ltd.
2017303205	Chugai Seiyaku Kabushiki Kaisha	2017416080	Guilin Layn Natural Ingredients Corp.
2017303210	Menicon Co., Ltd	2017417171	Beijing Didi Infinity Technology and Development Co., Ltd.
2017303227	Fischer, F.	2018205086	World Wide Daily Holdings Company Limited
2017303485	Cosentino Research & Development, S.L.	2018208401	Medtronic Advanced Energy LLC
2017304103	Pfizer Inc.	2018217242	Base Air Management, Inc.
2017304226	Darestani, A.	2018236629	Unist(Ulsan National Institute of Science and Technology)
2017304471	Melos GmbH	2018236726	Flack, D.
2017304472	Melos GmbH	2018241677	Unilumin Group Co., Ltd.
2017304473	Melos GmbH	2018244971	Zhang, Y.
2017304474	Melos GmbH	2018252568	Unilumin Group Co., Ltd.
2017304599	Auxin Surgery	2018252573	Unilumin Group Co., Ltd.
2017304749	Gelliner Limited	2018257012	LG Electronics Inc.
2017304767	Medisieve Ltd.	2018260923	Whitehead, K.
2017305070	Toray Industries, Inc.	2018260934	Glenmark Specialty S.A.
2017305147	Qualcomm Incorporated	2018265258	Wellstat Immuno Therapeutics, LLC
2017305148	Qualcomm Incorporated	2018269774	Dynapower Company LLC
2017305413	Qualcomm Incorporated	2018271335	Jiangsu Shemar Electric Co., Ltd.
2017305962	Qualcomm Incorporated	2018274980	Beijing Didi Infinity Technology and Development Co., Ltd.
2017306039	Sterilex, LLC	2018278900	Ontex BVBA; Ontex Group NV
2017306897	Shell Internationale Research Maatschappij B.V.	2018278912	Ontex BVBA; Ontex Group NV
2017307009	Nestec SA	2018281511	Asahi Kohnan Corporation
2017307033	Boehringer Ingelheim International GmbH	2018281512	Asahi Kohnan Corporation
2017307306	Shin Nippon Biomedical Laboratories, Ltd.	2018282258	UGT Group Pty Ltd
2017307699	Toray Industries, Inc.	2018282296	Beijing DiDi Infinity Technology and Development Co., Ltd.
2017308325	Nippon Steel & Sumitomo Metal Corporation	2018282300	Beijing DiDi Infinity Technology and Development Co., Ltd.
2017308552	Qualcomm Incorporated	2018282388	Nippon Steel & Sumitomo Metal Corporation
2017308587	Ojai Retinal Technology, LLC	2018282390	Nippon Steel & Sumitomo Metal Corporation
2017308724	Eli Lilly And Company		
2017308831	Qualcomm Incorporated		
2017309166	Qualcomm Incorporated		
2017309703	Electrolux Appliances Aktiebolag		
2017310952	Qualcomm Incorporated		
2017311483	Qualcomm Incorporated		
2017311606	Visa International Service Association		
2017312404	Electrolux Appliances Aktiebolag		
2017312433	Scimetrics Limited Corp.		
2017314295	CRC-Evans Pipeline International Inc.		
2017315755	Crown Equipment Corporation		
2017316760	Novartis AG		
2017316876	JFE Steel Corporation		
2017317847	Beijing Qiyi Century Science & Technology Co., Ltd.		
2017319613	Novartis AG		
2017320148	Samsung Electronics Co., Ltd.		
2017320240	Shin-Etsu Chemical Co., Ltd.		
2017325833	Abbott Laboratories		
2017326895	Stamicarbon B.V.		
2017326959	Ricky, B.		
2017328847	Sony Corporation		
2017329043	Boston Scientific Scimed, Inc.		
2017330520	Apple Inc.		
2017332645	Apple Inc.		
2017336153	Guardant Health, Inc.		

IPC Index

<b><u>A01B 79 /-</u></b>	<b><u>A01M 1 /-</u></b>	<b><u>A01N 59 /-</u></b>	<b><u>A22C 25 /-</u></b>	2017289114	<b><u>A46B 17 /-</u></b>
2017275683	2017275843	2016410558	2017283590	<b><u>A41D 1 /-</u></b>	2017283040
2017296383	2017277098	2017269388	<b><u>A23B 7 /-</u></b>	2017288057	<b><u>A47B 9 /-</u></b>
<b><u>A01C 21 /-</u></b>	<b><u>A01M 23 /-</u></b>	<b><u>A01N 63 /-</u></b>	2017281407	<b><u>A41D 13 /-</u></b>	2017285460
2017296383	2017286634	2016412299	<b><u>A23C 9 /-</u></b>	2017288544	<b><u>A47B 91 /-</u></b>
<b><u>A01C 23 /-</u></b>	<b><u>A01M 25 /-</u></b>	2017272058	2016407745	<b><u>A42B 3 /-</u></b>	2017277098
2017296383	2017286634	<b><u>A01P 1 /-</u></b>	2017269052	2017281902	<b><u>A47C 27 /-</u></b>
<b><u>A01C 7 /-</u></b>	2017312433	2017306039	2017281328	2017288544	2017298557
2017296383	<b><u>A01M 29 /-</u></b>	<b><u>A01P 11 /-</u></b>	<b><u>A23D 9 /-</u></b>	2018236726	<b><u>A47C 7 /-</u></b>
<b><u>A01D 34 /-</u></b>	2017293656	2017269610	2016419450	<b><u>A43B 3 /-</u></b>	<b><u>A47C 7 /-</u></b>
2017282030	<b><u>A01N 1 /-</u></b>	<b><u>A01P 13 /-</u></b>	<b><u>A23G 9 /-</u></b>	2017290098	2017289296
<b><u>A01D 41 /-</u></b>	2017287017	2017277985	2017292052	<b><u>A43B 9 /-</u></b>	<b><u>A47G 19 /-</u></b>
2017407999	2017290519	2017295817	<b><u>A23J 1 /-</u></b>	2017290098	2017289299
<b><u>A01D 45 /-</u></b>	2017290558	2017295818	2017274414	<b><u>A43D 1 /-</u></b>	2017289300
2017278479	<b><u>A01N 25 /-</u></b>	2017295819	<b><u>A23K 10 /-</u></b>	2017290098	<b><u>A47G 9 /-</u></b>
<b><u>A01D 78 /-</u></b>	2017269388	2017300718	2018281511	2017290098	2017283685
2017275683	2017277222	<b><u>A01P 19 /-</u></b>	<b><u>A23K 20 /-</u></b>	<b><u>A43D 999 /-</u></b>	<b><u>A47J 27 /-</u></b>
<b><u>A01H 1 /-</u></b>	2017280368	2017269610	2017408659	<b><u>A45C 13 /-</u></b>	2017276748
2017292900	2017295817	<b><u>A01P 21 /-</u></b>	2018281511	2017272376	2017276754
2017295610	2017295818	2017272058	2018281512	2017281613	2017294574
<b><u>A01H 5 /-</u></b>	2017295819	<b><u>A01P 3 /-</u></b>	<b><u>A23K 50 /-</u></b>	2017281613	<b><u>A47J 31 /-</u></b>
2017276790	<b><u>A01N 27 /-</u></b>	2017295817	2017408659	<b><u>A45C 15 /-</u></b>	2017273247
2017292900	2017272383	2017295818	<b><u>A23L 2 /-</u></b>	2017281613	2017292052
2017295610	<b><u>A01N 33 /-</u></b>	2017295819	2016411413	<b><u>A45D 2 /-</u></b>	<b><u>A47J 43 /-</u></b>
<b><u>A01J 5 /-</u></b>	2017269388	<b><u>A01P 5 /-</u></b>	2017289560	2018205086	2017276748
2017283979	<b><u>A01N 37 /-</u></b>	2017295817	<b><u>A23L 27 /-</u></b>	<b><u>A45D 33 /-</u></b>	2017276751
<b><u>A01K 1 /-</u></b>	2017269388	2017295818	2016411413	2017278129	2017276754
2017283979	<b><u>A01N 41 /-</u></b>	2017295819	<b><u>A23L 3 /-</u></b>	<b><u>A45D 34 /-</u></b>	2017277612
<b><u>A01K 11 /-</u></b>	2017300718	<b><u>A01P 7 /-</u></b>	2017271535	2018205086	<b><u>A47K 10 /-</u></b>
2017283979	<b><u>A01N 43 /-</u></b>	2017272383	2017281407	2017278129	2016412921
<b><u>A01K 45 /-</u></b>	2017272058	2017295817	<b><u>A23L 33 /-</u></b>	2017291679	<b><u>A47L 15 /-</u></b>
2017296200	2017277222	2017295818	2016407745	<b><u>A45D 40 /-</u></b>	2017278547
<b><u>A01K 61 /-</u></b>	2017277985	2017295819	2016409135	2017278129	<b><u>A47L 5 /-</u></b>
2017273252	2017295818	<b><u>A21D 2 /-</u></b>	2016413709	<b><u>A45F 3 /-</u></b>	2017265784
<b><u>A01K 67 /-</u></b>	2017295819	2017282091	2016419450	2017272376	<b><u>A47L 7 /-</u></b>
2017273169	<b><u>A01N 47 /-</u></b>	2017295751	2017281328	2017281613	2017265784
2017273170	2017295818	<b><u>A21D 8 /-</u></b>	2017290900	<b><u>A45F 5 /-</u></b>	<b><u>A47L 9 /-</u></b>
2017285224	2017300718	2017295751	2017307009	2017281613	2017265784
2017289194	<b><u>A01N 49 /-</u></b>	<b><u>A22C 11 /-</u></b>	2018281511	<b><u>A46B 13 /-</u></b>	2017266808
	2017295819	2017285469	2018281512	2017283040	2017266810
	<b><u>A01N 51 /-</u></b>	<b><u>A22C 13 /-</u></b>	<b><u>A23L 5 /-</u></b>		2017266811
	2017295818	2017285469	2017294574		2017266813
	2017295819		<b><u>A24F 47 /-</u></b>		2017266814
			2017286681		2017267155

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

2017267231	<b><u>A61B 90/-</u></b>	2017277989	2017286656	2017286361	<b><u>A61K 49/-</u></b>
<b><u>A61B 1/-</u></b>	2017269884	2017280237	2017286715	2017286659	2017281189
2016420481	20172720904	2017281368	2017286852	2017290107	2017291702
2017269385	<b><u>A61C 13/-</u></b>	2017281902	2017286890	2017291242	
2017290142		2017281906	2017286943		<b><u>A61K 51/-</u></b>
2017291702	2017288246	2017286989	2017287461	<b><u>A61K 38/-</u></b>	2017268291
2017294486	2017290344	2017287517	2017287746	2017268397	2017299219
	2017396539	2017288641	2017287919	2017277747	2017299581
<b><u>A61B 10/-</u></b>	<b><u>A61C 5/-</u></b>	2017288642	2017288035	2017281743	
2017291843		2017290369	2017288056	2017289450	<b><u>A61K 6/-</u></b>
	2017289782	2017292847	2017288465	2017291252	2017281706
<b><u>A61B 17/-</u></b>	2017290344	2017292917	2017288899	2017291842	
		<b><u>A61J 1/-</u></b>	2017289278	2017299581	<b><u>A61K 8/-</u></b>
2016420481	<b><u>A61C 8/-</u></b>	2017266593	2017289317	2017304103	2016419450
2017267658		2017288465	2017289450	2018236629	2017266787
2017269385	2017286777	<b><u>A61J 3/-</u></b>	2017289974	2018265258	2017286980
2017269557	<b><u>A61C 9/-</u></b>		2017290107		2018281511
2017281660		2017288465	2017290256	<b><u>A61K 39/-</u></b>	2018281512
2017282672	2017288246	2017290519	2017290362	2017268399	
2017294413	<b><u>A61D 17/-</u></b>	<b><u>A61J 7/-</u></b>	2017290558	2017268453	<b><u>A61K 9/-</u></b>
2017329043			2017290724	2017269860	2016413709
<b><u>A61B 18/-</u></b>	2017278816	2017266593	2017290748	2017270234	2017275844
2017270904	<b><u>A61D 7/-</u></b>	<b><u>A61K 101/-</u></b>	2017290755	2017271588	2017277747
2017280014			2017290894	2017272109	2017281237
2017289267	2017267590	2017268291	2017290900	2017273169	2017281931
2017290556	<b><u>A61F 11/-</u></b>	<b><u>A61K 31/-</u></b>	2017291464	2017273170	2017286715
2017304599			2017291838	2017285213	2017288035
2018208401	2017281902	2016409135	2017291960	2017288229	2017288465
<b><u>A61B 3/-</u></b>	2017289488	2016413709	2017292391	2017289450	2017288899
2017292847	<b><u>A61F 13/-</u></b>	2016415408	2017292522	2017290554	2017289450
2017316760		2017266325	2017292791	2017292582	2017290256
<b><u>A61B 34/-</u></b>	2016412923	2017267194	2017293271	2017296200	2017290558
2017270904	2016412924	2017267590	2017294642	2017299581	2017291464
<b><u>A61B 5/-</u></b>	2016412925	2017267804	2017294643	2017302136	2017292791
2017267505	2016412926	2017269726	2017294969	<b><u>A61K 45/-</u></b>	2017294652
2017270923	2016412926	2017270598	2017295866	2017281631	2017300845
2017271204	2016413558	2017270975	2017295866	2017281744	2017307306
2017271205	2017284764	2017271458	2017300845	2017286656	2018236629
2017273194	2018278900	2017271665	2017301488	2017286659	<b><u>A61L 15/-</u></b>
2017274722	2018278912	2017274649	2017302136	2017289450	2016412925
2017280928	<b><u>A61F 2/-</u></b>	2017275209	2017302330	2017291842	2017267176
2017282665		2017275650	2017304599	2017292391	<b><u>A61L 2/-</u></b>
2017285321	2016407808	2017275844	2017307009	2017292522	2017269884
2017288057	2017267658	2017276620	2017307033	2017292934	2017271535
2017291702	2017271407	2017277005	2017307306	2017295866	2017277070
2017295131	2017277989	2017277747	201730845	<b><u>A61K 47/-</u></b>	2017280368
2017300273	2017283194	2017278102	2017301488	2017281631	2017306039
<b><u>A61B 6/-</u></b>	2017284866	2017280099	2017302136	2017286656	
2017285943	2017288631	2017280206	2017302330	2017286659	<b><u>A61L 27/-</u></b>
2017291702	2017286831	2017280334	2017304599	2017289450	2017277989
	2017287886	2017280412	2017307009	2017288465	2017280359
<b><u>A61B 7/-</u></b>	2017288641	2017281088	2017307033	2017289450	2017283194
2017273194	2017288642	2017281237	2017307306	2017291842	2017283463
2017285321	2017296119	2017281406	201730845	2017292391	2017287997
<b><u>A61B 8/-</u></b>	<b><u>A61F 5/-</u></b>	2017281426	2017301488	2017292522	2017290569
2017285321		2017281531	2017302136	2017295866	2017292652
	2017273450	2017281744	2017304599	<b><u>A61K 48/-</u></b>	2017303210
	2017281226	2017281931	2017307009	2017272862	2018236629
	2017282945	2017281980	2017307033	2017275844	
	2017283978	2017282156	2017307306	2017286659	<b><u>A61L 29/-</u></b>
	2017288108	2017282653	201730845	2017287997	2017280359
<b><u>A61B 9/-</u></b>	<b><u>A61F 9/-</u></b>	2017282891	2017302136	2017289450	
2017267658		2017283407	<b><u>A61K 35/-</u></b>	2017290256	
2017274563	2017267658	2017283511	2016408376	2017292791	
	2017274563	2017286128	2017267809		
		2017286335	2017267809		
		2017286361	2017276620		
			20172781514		
			2017281514		
			2017281631		
			2017281743		
			2017283658		
			2017286656		
			2017286982		
			2017287997		
			2017290558		
			2017290569		
			2017290900		
			2017292582		
			2017294652		
			2017296200		
			2017299131		
			2018281511		
			<b><u>A61K 36/-</u></b>		
			2017281237		

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

<b><u>A61L 31 /-</u></b>	<b><u>A61N 1 /-</u></b>	<b><u>A61P 27 /-</u></b>	<b><u>A61P 39 /-</u></b>	<b><u>A63F 1 /-</u></b>	<b><u>B01F 15 /-</u></b>
2017280359 2017283463	2017286715 2017293441 2017293442	2017287997 2017289204 2017295866	2016409135 2017288056	2017276794	2017284000
<b><u>A61L 33 /-</u></b>	<b><u>A61N 5 /-</u></b>	<b><u>A61P 29 /-</u></b>	<b><u>A61P 43 /-</u></b>	<b><u>A63F 13 /-</u></b>	<b><u>B01F 17 /-</u></b>
2017305070 2017307699	2017271535 2017308587	2017267590 2017286335 2017289317 2017292391 2017294642 2017294643	2017275209 2017281980 2017288056 2017289317 2017292522	2016412563 2017268910 2017276794 2017326959	2017284000
<b><u>A61L 9 /-</u></b>	<b><u>A61N 7 /-</u></b>	<b><u>A61P 3 /-</u></b>	<b><u>A61P 7 /-</u></b>	<b><u>A63G 19 /-</u></b>	<b><u>B01F 3 /-</u></b>
2017269388 2017281407 2017286616	2017278615 2017308587	2016409135 2017266325 2017272862 2017277005 2017282891 2017307033	2017281514 2017295866	2017291280	2017284000
<b><u>A61M 1 /-</u></b>	<b><u>A61P 1 /-</u></b>	<b><u>A61P 31 /-</u></b>	<b><u>A61Q 19 /-</u></b>	<b><u>A63G 21 /-</u></b>	<b><u>B01J 2 /-</u></b>
2017277804 2017281514 2017305070 2017307699 2017319613	2017267809 2017281980 2018281511	2017267194 2017267804 2017280099 2017281744 2017282891 2017286852 2017286890 2017290558 2017290755 2017292582 2017295866	2017281514 2017295866	2016415162	2017304472
<b><u>A61M 11 /-</u></b>	<b><u>A61P 11 /-</u></b>	<b><u>A61P 33 /-</u></b>	<b><u>A62B 18 /-</u></b>	<b><u>A63H 27 /-</u></b>	<b><u>B01J 21 /-</u></b>
2017286681 2017288899	2017267809 2017277005 2017281931 2017281980 2017283658 2017295866 2017302136	2017281426 2017282156	2017267804 2017277005 2017286361	2016293373	2017286813
<b><u>A61M 15 /-</u></b>	<b><u>A61P 13 /-</u></b>	<b><u>A61P 35 /-</u></b>	<b><u>A61Q 5 /-</u></b>	<b><u>A63H 30 /-</u></b>	<b><u>B01J 23 /-</u></b>
2017288899 2018260934	2017277005 2017281980 2017295866 2017304103	2017266325 2017269675 2017269726 2017271458 2017275209 2017276620 2017280334 2017280412 2017281088 2017281980 2017282891 2017283407 2017285213 2017289317 2017291838 2017292522 2017302330	2017266787	2017364482	2017286813 2017320240
<b><u>A61M 16 /-</u></b>	<b><u>A61P 17 /-</u></b>	<b><u>A61P 37 /-</u></b>	<b><u>A62B 27 /-</u></b>	<b><u>B01D 1 /-</u></b>	<b><u>B01J 35 /-</u></b>
2017287791 2017290142 2017290742 2017292403 2017297978	2017281980 2017283511 2017286361 2017287461 2017291242 2017294969 2017295866	2017267804 2017277005 2017281237 2017283407 2017286335 2017286979 2017287919 2017288035 2017290047 2017301488	2017281368 2017281513 2017281906	2017281407 2017281407	2017320240
<b><u>A61M 25 /-</u></b>	<b><u>A61P 19 /-</u></b>	<b><u>A61P 39 /-</u></b>	<b><u>A62B 9 /-</u></b>	<b><u>B01D 15 /-</u></b>	<b><u>B01J 4 /-</u></b>
2017290142 2017291162	2017270858 2017277747	2017281368 2017281906	2017281368 2017281906	2018281512	2017291923
<b><u>A61M 29 /-</u></b>	<b><u>A61P 21 /-</u></b>	<b><u>A62B 21 /-</u></b>	<b><u>A62B 3 /-</u></b>	<b><u>B01D 3 /-</u></b>	<b><u>B01J 6 /-</u></b>
2017329043	2017267809 2017277005 2017291960	2017281368 2017281906	2017291724	2017283123	2017291923
<b><u>A61M 3 /-</u></b>	<b><u>A61P 25 /-</u></b>	<b><u>A63B 31 /-</u></b>	<b><u>A63B 31 /-</u></b>	<b><u>B01D 47 /-</u></b>	<b><u>B01J 8 /-</u></b>
2017289488	2016415408 2017267809 2017275844 2017277005 2017281237 2017283407 2017286335 2017286979 2017287919 2017288035 2017290047 2017301488	2017281426 2017282156	2017281368 2017281906	2017281407 2017294218	2017291923
<b><u>A61M 31 /-</u></b>	<b><u>A61P 27 /-</u></b>	<b><u>A63B 63 /-</u></b>	<b><u>A63B 71 /-</u></b>	<b><u>B01D 53 /-</u></b>	<b><u>B01L 1 /-</u></b>
2017277804	2017270858 2017277747	2017296963	2017272967	2017281407 2017285710 2017326895	2017282153
<b><u>A61M 35 /-</u></b>	<b><u>A61P 29 /-</u></b>	<b><u>A63B 9 /-</u></b>	<b><u>A63B 9 /-</u></b>	<b><u>B01D 61 /-</u></b>	<b><u>B01L 3 /-</u></b>
2017219593	2017270858 2017277747	2017281368 2017281513 2017281906	2017281368 2017281513 2017281906	2016413093 2017269052	2017287017 2017299447
<b><u>A61M 5 /-</u></b>	<b><u>A61P 31 /-</u></b>	<b><u>B01D 63 /-</u></b>	<b><u>A63B 63 /-</u></b>	<b><u>B01D 65 /-</u></b>	<b><u>B03C 1 /-</u></b>
2017272502 2017272971 2017275632 2017277804 2017292751 2017298209 2017308724	2017267809 2017277005 2017281237 2017283407 2017286335 2017286979 2017287919 2017288035 2017290047 2017301488	2017291923	2017266504	2017276611	2017304767
		<b><u>B01D 69 /-</u></b>	<b><u>A63B 9 /-</u></b>	<b><u>B01D 69 /-</u></b>	<b><u>B03D 1 /-</u></b>
		2016413093	2017281368 2017281513 2017281906	2016413093 2017269052	2017291956
		<b><u>B01D 71 /-</u></b>	<b><u>A63B 31 /-</u></b>	<b><u>B01D 63 /-</u></b>	<b><u>B04C 5 /-</u></b>
		2017305070	2017272967	2017276611	2017272681
		<b><u>B01F 13 /-</u></b>	<b><u>A63B 63 /-</u></b>	<b><u>B01D 65 /-</u></b>	<b><u>B05B 11 /-</u></b>
		2017304767	2017266504	2016413093	2017280368 2017303227
			<b><u>A63B 71 /-</u></b>	2017276611	<b><u>B05B 12 /-</u></b>
			2017288544	2017276611	2017280368
				2016413093	<b><u>B05B 5 /-</u></b>
				2017307699	2017269388
				<b><u>B01D 71 /-</u></b>	
				2017305070	
				<b><u>B01F 13 /-</u></b>	
				2017304767	



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

<b><u>B05B 7 /-</u></b>	<b><u>B23K 11 /-</u></b>	<b><u>B25F 5 /-</u></b>	<b><u>B29C 43 /-</u></b>	2017268789	<b><u>B60B 19 /-</u></b>
2017280368	2016407540	2017290411	2017366138	2017269881	2017285709
<b><u>B05C 17 /-</u></b>	<b><u>B23K 26 /-</u></b>	<b><u>B25G 1 /-</u></b>	<b><u>B29C 45 /-</u></b>	2017295019	
2017287534	2017292404	2017272786	2017289300	2017320240	<b><u>B60B 35 /-</u></b>
<b><u>B05C 5 /-</u></b>	<b><u>B23K 31 /-</u></b>	<b><u>B25G 3 /-</u></b>	<b><u>B29C 59 /-</u></b>	2017295019	2016409613
2017287534	2017314295	2017272786	2017271019	<b><u>B32B 37 /-</u></b>	2017278058
<b><u>B05D 1 /-</u></b>	<b><u>B23K 9 /-</u></b>	<b><u>B25H 1 /-</u></b>	2017288910	2016412924	<b><u>B60B 37 /-</u></b>
2017285724	2017297057	2017290723	<b><u>B29C 63 /-</u></b>	2017268789	2017293982
<b><u>B05D 5 /-</u></b>	<b><u>B23P 15 /-</u></b>	<b><u>B25J 11 /-</u></b>	2016407540	<b><u>B32B 5 /-</u></b>	<b><u>B60F 3 /-</u></b>
2017293369	2017280498	2017266808	<b><u>B29C 64 /-</u></b>	2016412924	2017281442
<b><u>B06B 1 /-</u></b>	<b><u>B23P 19 /-</u></b>	2017266809	2017280101	2016412926	<b><u>B60G 11 /-</u></b>
2017278615	2017274579	2017266810	2017281110	2017268789	2018217242
<b><u>B07C 5 /-</u></b>	<b><u>B23Q 7 /-</u></b>	2017266811	<b><u>B29C 65 /-</u></b>	2017304472	
2017283257	2017290713	2017266813	2016407018	<b><u>B32B 7 /-</u></b>	<b><u>B60K 11 /-</u></b>
2017287777		2017266814	2016407540	2017268789	2017281442
2017294140	<b><u>B24B 23 /-</u></b>	2017267155	2017261891	<b><u>B32B 9 /-</u></b>	<b><u>B60K 13 /-</u></b>
2017302375	2017283040	2017267231	<b><u>B29C 67 /-</u></b>	2017274515	2017281442
<b><u>B08B 17 /-</u></b>	<b><u>B24B 29 /-</u></b>	<b><u>B25J 13 /-</u></b>	2017281110	<b><u>B33Y 10 /-</u></b>	<b><u>B60K 17 /-</u></b>
2017288910	2017283040	2016423192	<b><u>B29C 70 /-</u></b>	2017270686	2017285709
<b><u>B08B 9 /-</u></b>	<b><u>B24B 41 /-</u></b>	<b><u>B25J 15 /-</u></b>	2017271019	2017281110	<b><u>B60K 6 /-</u></b>
2017295578	2017272787	2017281660	<b><u>B29C 73 /-</u></b>	<b><u>B33Y 30 /-</u></b>	2017284964
<b><u>B09B 3 /-</u></b>	<b><u>B24B 45 /-</u></b>	2017266808	2017265935	2017270686	<b><u>B60R 19 /-</u></b>
2018282388	2017283040	2017266809	<b><u>B29D 11 /-</u></b>	2017280101	2017298009
2018282390	<b><u>B24B 47 /-</u></b>	2017266810	2017274563	2017281110	<b><u>B60R 21 /-</u></b>
<b><u>B21C 47 /-</u></b>	2017272787	2017266811	2017293336	<b><u>B33Y 40 /-</u></b>	2017288544
2016414530	<b><u>B24B 49 /-</u></b>	2017266813	<b><u>B29K 105 /-</u></b>	<b><u>B33Y 50 /-</u></b>	<b><u>B60R 9 /-</u></b>
<b><u>B21D 5 /-</u></b>	2017285966	2017266814	2017265935	2017270686	2017278256
2016414530	<b><u>B24B 55 /-</u></b>	2017267155	<b><u>B29K 21 /-</u></b>	2017281110	<b><u>B60T 8 /-</u></b>
<b><u>B21F 23 /-</u></b>	2017285966	2017267231	2017274362	<b><u>B33Y 70 /-</u></b>	2017279889
2017286309	<b><u>B24B 7 /-</u></b>	<b><u>B25J 9 /-</u></b>	<b><u>B29L 30 /-</u></b>	2017281110	<b><u>B60W 50 /-</u></b>
<b><u>B21J 15 /-</u></b>	2017272786	2017266808	2017274362	<b><u>B41F 13 /-</u></b>	2016410611
2017290411	2017272787	2017266809	<b><u>B29L 31 /-</u></b>	2017296007	<b><u>B61C 17 /-</u></b>
<b><u>B22F 3 /-</u></b>	2017285966	2017266810	2017274362	<b><u>B41F 17 /-</u></b>	2017391885
2017291934	<b><u>B24D 13 /-</u></b>	2017266811	<b><u>B30B 11 /-</u></b>	2017296007	<b><u>B62B 7 /-</u></b>
<b><u>B22F 9 /-</u></b>	2017283040	2017266813	2017292861	2017296007	2017291280
2017283345	<b><u>B25B 27 /-</u></b>	2017266814	<b><u>B30B 15 /-</u></b>	<b><u>B41F 33 /-</u></b>	<b><u>B62D 7 /-</u></b>
<b><u>B23B 5 /-</u></b>	2017290411	2017267155	2017292861	2017270014	2017285709
2017293369	<b><u>B25C 1 /-</u></b>	2017267231	<b><u>B32B 17 /-</u></b>	2017276507	2017285709
<b><u>B23D 45 /-</u></b>	2017284889	2017274362	2017268789	2017281816	<b><u>B63B 35 /-</u></b>
2017274515	2017286166		<b><u>B32B 27 /-</u></b>	2017295951	2017276798
			2016412924	<b><u>B44D 3 /-</u></b>	2017280043
				2016407806	

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

<b><u>B63H 1 /-</u></b>		<b><u>B65G 63 /-</u></b>	<b><u>C02F 1 /-</u></b>	<b><u>C07C 1 /-</u></b>	<b><u>C07D 241 /-</u></b>
2017268808	<b><u>B65D 17 /-</u></b>	2017274080	2016410558	2017285710	2017294969
<b><u>B63H 20 /-</u></b>	2017273675	<b><u>B65G 65 /-</u></b>	2017283531	<b><u>C07C 11 /-</u></b>	<b><u>C07D 243 /-</u></b>
2016410305	<b><u>B65D 19 /-</u></b>	2017290713	2017291053	2017285710	2017283407
<b><u>B63H 21 /-</u></b>	2017285474	<b><u>B65G 67 /-</u></b>	<b><u>C02F 101 /-</u></b>	<b><u>C07C 2 /-</u></b>	<b><u>C07D 249 /-</u></b>
2017270800	<b><u>B65D 30 /-</u></b>	2017282247	2017283531	2017285710	2017275209
<b><u>B63H 3 /-</u></b>	2016407018	<b><u>B66B 11 /-</u></b>	<b><u>C02F 103 /-</u></b>	<b><u>C07C 229 /-</u></b>	2017280099
2017267882	<b><u>B65D 33 /-</u></b>	2017289122	2016410558	2017282515	<b><u>C07D 251 /-</u></b>
<b><u>B63H 9 /-</u></b>	2017271019	2017289215	<b><u>C02F 11 /-</u></b>	<b><u>C07C 303 /-</u></b>	2017299043
2017268711	<b><u>B65D 35 /-</u></b>	<b><u>B66B 19 /-</u></b>	2017286813	<b><u>C07C 37 /-</u></b>	<b><u>C07D 257 /-</u></b>
<b><u>B64C 11 /-</u></b>	2017289782	2017289326	<b><u>C02F 3 /-</u></b>	<b><u>C07C 39 /-</u></b>	2017289974
2016293373	<b><u>B65D 41 /-</u></b>	<b><u>B66B 7 /-</u></b>	2017276611	2017290107	<b><u>C07D 261 /-</u></b>
<b><u>B64C 27 /-</u></b>	2017291011	2017289326	<b><u>C02F 5 /-</u></b>	<b><u>C07C 39 /-</u></b>	2017280099
2016293373	<b><u>B65D 43 /-</u></b>	<b><u>B66B 9 /-</u></b>	2017298882	2017286656	2017280206
2017267882	2016410602	2017281305	<b><u>C02F 9 /-</u></b>	<b><u>C07C 50 /-</u></b>	<b><u>C07D 263 /-</u></b>
2017267883	<b><u>B65D 5 /-</u></b>	<b><u>B66F 9 /-</u></b>	2017290387	2017281426	2017280099
<b><u>B64C 29 /-</u></b>	2017272916	2016423192	<b><u>C04B 103 /-</u></b>	<b><u>C07C 51 /-</u></b>	<b><u>C07D 265 /-</u></b>
2017267882	2017275573	<b><u>B67D 1 /-</u></b>	2017284000	2017282515	2017270975
2017267883	<b><u>B65D 51 /-</u></b>	2017272916	<b><u>C04B 14 /-</u></b>	2017282515	<b><u>C07D 267 /-</u></b>
<b><u>B64C 3 /-</u></b>	2017280057	2017277622	2017269603	<b><u>C07C 59 /-</u></b>	2017283407
2017267882	2017288465	<b><u>B67D 3 /-</u></b>	<b><u>C04B 24 /-</u></b>	2017282515	<b><u>C07D 271 /-</u></b>
<b><u>B64C 39 /-</u></b>	2017291011	2017272916	2017284000	<b><u>C07C 69 /-</u></b>	2017275209
2017267882	<b><u>B65D 77 /-</u></b>	<b><u>B81C 1 /-</u></b>	<b><u>C04B 28 /-</u></b>	2017290147	2017280099
2017282247	2017272916	2017288910	2016411402	<b><u>C07D 207 /-</u></b>	<b><u>C07D 277 /-</u></b>
<b><u>B64D 1 /-</u></b>	<b><u>B65D 81 /-</u></b>	<b><u>C01B 17 /-</u></b>	2017265896	2017282653	2017267194
2017282247	2017288465	2017267790	2017269603	<b><u>C07D 209 /-</u></b>	2017280099
<b><u>B64D 17 /-</u></b>	<b><u>B65D 83 /-</u></b>	<b><u>C01B 21 /-</u></b>	2017284000	2017282891	<b><u>C07D 281 /-</u></b>
2017295805	2017287534	2017326895	2017281911	<b><u>C07D 213 /-</u></b>	2017286943
<b><u>B64D 25 /-</u></b>	<b><u>B65D 85 /-</u></b>	<b><u>C01B 3 /-</u></b>	<b><u>C04B 38 /-</u></b>	2017280099	<b><u>C07D 285 /-</u></b>
2017295805	2017285474	2017268378	2017284000	2017281980	<b><u>C07D 295 /-</u></b>
<b><u>B64D 35 /-</u></b>	2017292052	<b><u>C01B 32 /-</u></b>	<b><u>C04B 41 /-</u></b>	<b><u>C07D 221 /-</u></b>	2017290147
2017292168	<b><u>B65G 1 /-</u></b>	2017289220	2017303485	2017286128	2017285813
<b><u>B64D 45 /-</u></b>	2017285474	<b><u>C01C 1 /-</u></b>	<b><u>C04B 5 /-</u></b>	<b><u>C07D 231 /-</u></b>	<b><u>C07D 303 /-</u></b>
2016293373	2017290713	2017268378	2018282388	2017280099	2017290139
<b><u>B64F 1 /-</u></b>	<b><u>B65G 17 /-</u></b>	<b><u>C01D 1 /-</u></b>	2018282390	2017294642	2017290147
2017282246	2017287777	2017267790	<b><u>C04B 7 /-</u></b>	2017294643	<b><u>C07D 307 /-</u></b>
<b><u>B65B 51 /-</u></b>	<b><u>B65G 29 /-</u></b>	2017267790	2017269603	<b><u>C07D 233 /-</u></b>	2017285813
2016407540	2017293129	<b><u>C01D 13 /-</u></b>	<b><u>C07B 59 /-</u></b>	2017286715	<b><u>C07D 311 /-</u></b>
2017290519	<b><u>B65G 47 /-</u></b>	2017267790	2017299219	2017289974	2017286335
<b><u>B65B 7 /-</u></b>	2017293129			<b><u>C07D 235 /-</u></b>	<b><u>C07D 333 /-</u></b>
2017290519	2017294140			2017289974	2016415408

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

<b><u>C07D 401 /-</u></b>	2017281088 2017283407 2017286890	2017292582 2017325833	<b><u>C08F 226 /-</u></b>	<b><u>C09D 191 /-</u></b>	<b><u>C11D 1 /-</u></b>
2017280334 2017281980 2017282653 2017289974 2017290894	2017287919 2017289317 2017290362 2017290748	<b><u>C07K 14 /-</u></b>	2017305070	2016411502	2017286154
<b><u>C07D 403 /-</u></b>	<b><u>C07D 491 /-</u></b>	2017266929 2017268397 2017268399 2017268453 2017272862 2017280943 2017281743 2017286982 2017290554 2017291252 2017292936 2017299131 2017301600 2018265258	<b><u>C08F 265 /-</u></b>	<b><u>C09D 201 /-</u></b>	<b><u>C11D 11 /-</u></b>
2017280334 2017289317 2017289974 2017291838 2017293271 2017302330	2017275209 2017278102 2017283407 2017289317	2017293336 2017293338	2017273871	2017320240	2017286154
<b><u>C07D 405 /-</u></b>	<b><u>C07D 493 /-</u></b>	<b><u>C08F 283 /-</u></b>	<b><u>C08F 290 /-</u></b>	<b><u>C09D 5 /-</u></b>	<b><u>C11D 17 /-</u></b>
2017270858 2017271458 2017280334 2017287919 2017289317 2017289974	2017287746	2017290407 2017293338	2017293336 2017293338	2017280359 2017320240	2017277070
<b><u>C07D 407 /-</u></b>	<b><u>C07D 495 /-</u></b>	<b><u>C08F 30 /-</u></b>	<b><u>C08F 290 /-</u></b>	<b><u>C09J 183 /-</u></b>	<b><u>C11D 3 /-</u></b>
2017270858 2017271458 2017280334 2017287919 2017289317 2017289974	<b><u>C07D 498 /-</u></b>	2017283463	2017293336 2017293338	2017290407	<b><u>C12C 1 /-</u></b>
<b><u>C07D 407 /-</u></b>	2017269726 2017275209 2017283407 2017286890 2017289317 2017289974	<b><u>C08G 77 /-</u></b>	<b><u>C08F 30 /-</u></b>	<b><u>C09K 109 /-</u></b>	2017288958
2017285813	2017272109 2017272111 2017288229 2017288985 2017292934 2017296095 2017299581 2017303205	2017283463	2017287016	2016411502	<b><u>C12C 12 /-</u></b>
<b><u>C07D 409 /-</u></b>	<b><u>C07K 16 /-</u></b>	<b><u>C08H 8 /-</u></b>	<b><u>C08J 11 /-</u></b>	<b><u>C09K 5 /-</u></b>	2017289560
2017270858 2017285813	2017269675 2017271588 2017272109 2017272111 2017288229 2017288985 2017292934 2017296095 2017299581 2017303205	2017299081	2017287016	2017265896 2017282098	<b><u>C12C 5 /-</u></b>
<b><u>C07D 413 /-</u></b>	<b><u>C07K 19 /-</u></b>	<b><u>C08J 8 /-</u></b>	<b><u>C08J 3 /-</u></b>	<b><u>C09K 8 /-</u></b>	2017289560
2017275209 2017280206 2017287919 2017289974 2017291838 2017294969	2017290047	2017287016	2017290569 2017293336 2017293338	2017286720	<b><u>C12C 7 /-</u></b>
<b><u>C07D 417 /-</u></b>	<b><u>C07K 2 /-</u></b>	<b><u>C08L 19 /-</u></b>	<b><u>C08J 11 /-</u></b>	<b><u>C10B 53 /-</u></b>	2017288958
2017267194 2017275209 2017280099 2017281088 2017287919 2017289974 2017294969	2017290894	2017274362	2017287016	2017287016	<b><u>C12G 1 /-</u></b>
<b><u>C07D 417 /-</u></b>	<b><u>C07K 7 /-</u></b>	<b><u>C08L 33 /-</u></b>	<b><u>C08J 3 /-</u></b>	<b><u>C10G 1 /-</u></b>	2017276972
2017267194 2017275209 2017280099 2017281088 2017287919 2017289974 2017294969	2017304103	2017280359	2017283123 2017287016 2017293428	2017283123 2017287016 2017293428	<b><u>C12G 3 /-</u></b>
<b><u>C07D 417 /-</u></b>	<b><u>C07K 19 /-</u></b>	<b><u>C08L 51 /-</u></b>	<b><u>C10G 5 /-</u></b>	<b><u>C10G 1 /-</u></b>	2017286947
2017267194 2017275209 2017280099 2017281088 2017287919 2017289974 2017294969	2018281512	2017293336	2017282172	2017282172	<b><u>C12H 1 /-</u></b>
<b><u>C07D 417 /-</u></b>	<b><u>C08F 10 /-</u></b>	<b><u>C08L 83 /-</u></b>	<b><u>C10G 70 /-</u></b>	<b><u>C10G 70 /-</u></b>	2017289560
2017267194 2017275209 2017280099 2017281088 2017287919 2017289974 2017294969	2017281706	2017293336	2017282172	2017282172	<b><u>C12M 1 /-</u></b>
<b><u>C07D 471 /-</u></b>	<b><u>C08F 14 /-</u></b>	<b><u>C08L 19 /-</u></b>	<b><u>C10J 3 /-</u></b>	<b><u>C10G 70 /-</u></b>	2017282135 2017283809 2017286096 2017287141 2017291053
2017274350 2017280334 2017281189 2017286890 2017287919 2017289317 2017289974 2017290755 2017293271	2017281706	2017293336	2017274582	2017282172	<b><u>C12M 3 /-</u></b>
<b><u>C07D 473 /-</u></b>	<b><u>C07H 1 /-</u></b>	<b><u>C08L 33 /-</u></b>	<b><u>C10K 3 /-</u></b>	<b><u>C10L 1 /-</u></b>	2017286096
2017274350 2017280334 2017281189 2017286890 2017287919 2017289317 2017289974 2017290755 2017293271	2017284202 2017416080	2017280359	2017286813	2017287016 2017301310	<b><u>C12N 1 /-</u></b>
<b><u>C07D 473 /-</u></b>	<b><u>C07H 13 /-</u></b>	<b><u>C08L 51 /-</u></b>	<b><u>C10L 1 /-</u></b>	<b><u>C10L 1 /-</u></b>	2016408376 2016410102 2016412299 2017269418 2017299615 2018281511 2018281512
2017274350 2017280334 2017281189 2017286890 2017287919 2017289317 2017289974 2017290755 2017293271	2017272862	2017293336	2017287016 2017301310	2017287016 2017301310	<b><u>C12N 15 /-</u></b>
<b><u>C07D 473 /-</u></b>	<b><u>C07H 15 /-</u></b>	<b><u>C08L 83 /-</u></b>	<b><u>C09C 1 /-</u></b>	<b><u>C10L 5 /-</u></b>	2017268397 2017268399 2017268453 2017269418 2017270598 2017276790
2017274350 2017280334 2017281189 2017286890 2017287919 2017289317 2017289974 2017290755 2017293271	2017272862 2017285444 2017302136	2017293336	2017289220	2017286813	
<b><u>C07D 487 /-</u></b>	<b><u>C07H 19 /-</u></b>	<b><u>C08L 83 /-</u></b>	<b><u>C09D 127 /-</u></b>	<b><u>C11B 1 /-</u></b>	
2017287919	2017272862 2017281531 2017286852	2017293336	2017320240	2016410102	
<b><u>C07D 487 /-</u></b>	<b><u>C07H 21 /-</u></b>	<b><u>C08L 83 /-</u></b>	<b><u>C09D 133 /-</u></b>	<b><u>C11C 3 /-</u></b>	
2017280412	2017272862 2017281531 2017286852	2017305070	2016411502	2017298882	
	2017290805 2017291727	2016411853 2017305070	<b><u>C09D 183 /-</u></b>		
			2017290407 2017320240		

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

2017280943	<b><u>C12P 5 /-</u></b>		2017304474		
2017281743		<b><u>C23F 11 /-</u></b>		<b><u>E04C 3 /-</u></b>	<b><u>E04H 4 /-</u></b>
2017283158	2017269418		<b><u>E02D 27 /-</u></b>		
2017285224		2017298882		2017301103	2017285460
2017286980	<b><u>C12P 7 /-</u></b>		2017272764		
2017286982		<b><u>C25B 5 /-</u></b>	2017278154	<b><u>E04C 5 /-</u></b>	<b><u>E05B 15 /-</u></b>
2017288960	2016410102		2017293303		
2017289204	2016410558	2017268378		2017274579	2016410602
2017290805			<b><u>E02D 3 /-</u></b>	<b><u>E04D 12 /-</u></b>	<b><u>E05B 51 /-</u></b>
2017290894	<b><u>C12Q 1 /-</u></b>	<b><u>C25C 3 /-</u></b>			
2017291842			2017272764		
2017291960	2016412541	2017285191	2017288857	2017274579	2016410602
2017292582	2017280335				
2017292936	2017289987	<b><u>C40B 30 /-</u></b>	<b><u>E02D 33 /-</u></b>	<b><u>E04D 13 /-</u></b>	<b><u>E06B 9 /-</u></b>
2017299581	2017291053			2017286684	2017265683
2017299597	2017291727	2017289987	2017278154		2017274579
2017299615	2017291842	<b><u>D01D 5 /-</u></b>	<b><u>E02D 35 /-</u></b>	<b><u>E04D 3 /-</u></b>	
2017300534	2017295610				<b><u>E21B 12 /-</u></b>
2017301600	2017299597	2017300033	2017272764	2017274579	
2017303205	2017300534		<b><u>E02D 5 /-</u></b>	<b><u>E04F 10 /-</u></b>	
2017325833	2017301970	<b><u>D01F 6 /-</u></b>			<b><u>E21B 17 /-</u></b>
	2017325833		2017268333	2017274579	
<b><u>C12N 5 /-</u></b>	2017336153	2017300033	2017288857		2016423067
			2017308325	<b><u>E04F 11 /-</u></b>	2017281193
2017267809	<b><u>C12R 1 /-</u></b>	<b><u>D03D 15 /-</u></b>			2017287818
2017276790			<b><u>E02D 7 /-</u></b>	2017274579	
2017281406	2016412299	2017283685		2017281305	<b><u>E21B 19 /-</u></b>
2017281631			<b><u>E02F 9 /-</u></b>		
2017286096	<b><u>C13K 1 /-</u></b>	<b><u>D04B 1 /-</u></b>	2017291455	<b><u>E04F 13 /-</u></b>	2016423067
2017286361					2017280043
2017286656	2016411413	2017285469		2017268709	2018282258
2017286715			<b><u>E04F 15 /-</u></b>		
2017290569	<b><u>C13K 13 /-</u></b>	<b><u>D04B 21 /-</u></b>	2017277557	<b><u>E04F 17 /-</u></b>	
2017290805			2017280498		<b><u>E21B 21 /-</u></b>
2017292936	2016411413	2017285469		2017274579	
2017293931			<b><u>E03F 1 /-</u></b>		2017277703
	<b><u>C21D 1 /-</u></b>	<b><u>D06F 37 /-</u></b>		<b><u>E04F 17 /-</u></b>	<b><u>E21B 23 /-</u></b>
<b><u>C12N 7 /-</u></b>			2017275411		
	2017293982	2017277199		2017281305	2017276139
2017285213	2017294246	<b><u>D06M 15 /-</u></b>	<b><u>E04B 1 /-</u></b>		
				<b><u>E04G 11 /-</u></b>	<b><u>E21B 29 /-</u></b>
<b><u>C12N 9 /-</u></b>	<b><u>C21D 9 /-</u></b>	2017304474	2016410602		
			2017268333	2017293646	2017265923
2017269418	2017294246	<b><u>D06N 7 /-</u></b>	2017274579	2017301093	
2017269860			2017293646	2017301103	<b><u>E21B 33 /-</u></b>
2017290047	<b><u>C22B 3 /-</u></b>	2017293297	2017298019	2017304226	
2017291842		2017304474	2017301103		2017273551
2017294066	2017291956		<b><u>E04B 2 /-</u></b>	<b><u>E04G 13 /-</u></b>	2017276139
2017294067	2017292669	<b><u>D21C 5 /-</u></b>			2017293303
2017295751			2016410602	2017304226	
2017299581	<b><u>C22B 34 /-</u></b>	2016410558	2017268709		<b><u>E21B 34 /-</u></b>
2017299615			2017274579	<b><u>E04G 17 /-</u></b>	
	2017270686	<b><u>D21F 1 /-</u></b>	2017293646		2016412929
<b><u>C12P 13 /-</u></b>			2017301103	2017301093	2017267994
	<b><u>C22C 29 /-</u></b>	2016410558			2017273551
2017286335			<b><u>E04B 5 /-</u></b>	<b><u>E04G 23 /-</u></b>	
	2017280114	<b><u>D21H 11 /-</u></b>			<b><u>E21B 43 /-</u></b>
<b><u>C12P 15 /-</u></b>	2017291923		2017293646	2017281305	
		2016410558	2017304226		2016412712
2017286335	<b><u>C22C 33 /-</u></b>			<b><u>E04G 9 /-</u></b>	2016412713
		2016410558	<b><u>E04B 7 /-</u></b>		2017267994
<b><u>C12P 19 /-</u></b>	2017280114	2016410558		2017301093	2017274582
			2017274579	<b><u>E04H 12 /-</u></b>	2017276139
2017280335	<b><u>C22C 37 /-</u></b>		<b><u>E04B 9 /-</u></b>		2017277703
2018281511		<b><u>D21H 27 /-</u></b>		2018271335	
2018281512	2017280114			<b><u>E04H 15 /-</u></b>	<b><u>E21B 47 /-</u></b>
		2016410558	2017274579		2017274077
<b><u>C12P 21 /-</u></b>	<b><u>C22C 38 /-</u></b>		<b><u>E04C 2 /-</u></b>	2017380535	
		<b><u>E01C 13 /-</u></b>			<b><u>E21B 49 /-</u></b>
2017288229	2017294245	2017300611	2017268709	<b><u>E04H 17 /-</u></b>	2016412712
2017291252	2017294246	2017304471	2017274579		2016412929
2017303205		2017304472	2017301103		
	2017267790	2017304473		2017274579	

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

<b><u>E21C 25 /-</u></b>	<b><u>F04D 7 /-</u></b>	<b><u>F16D 65 /-</u></b>	<b><u>F21V 21 /-</u></b>	<b><u>F27D 1 /-</u></b>	<b><u>F42B 33 /-</u></b>
2016410611	2017267092	2016409305	2017279669	2016410645	2018260923
<b><u>E21D 21 /-</u></b>	<b><u>F15B 1 /-</u></b>	<b><u>F16F 1 /-</u></b>	<b><u>F21V 8 /-</u></b>	<b><u>F27D 25 /-</u></b>	<b><u>F42B 5 /-</u></b>
2017280145	2017273551	2017312404	2017316760	2016410645	2017290420 2017291295
<b><u>E21F 5 /-</u></b>	<b><u>F15B 15 /-</u></b>	<b><u>F16H 47 /-</u></b>	<b><u>F23G 5 /-</u></b>	<b><u>F28B 3 /-</u></b>	<b><u>F42B 6 /-</u></b>
2017404563	2017280498	2017270800	2017274582	2017280203	2017291295
<b><u>F01D 5 /-</u></b>	<b><u>F15B 19 /-</u></b>	<b><u>F16J 15 /-</u></b>	<b><u>F24C 15 /-</u></b>	<b><u>F28D 20 /-</u></b>	<b><u>F42B 8 /-</u></b>
2017268808	2017273551	2017283724	2016413663 2016413952 2017281588 2017312404	2017266626 2017282098 2017289299 2017289300	2017290420
<b><u>F01P 3 /-</u></b>	<b><u>F16B 1 /-</u></b>	<b><u>F16K 17 /-</u></b>	<b><u>F24F 1 /-</u></b>	<b><u>F28D 7 /-</u></b>	<b><u>F42D 1 /-</u></b>
2016410305	2017268333 2018252573	2017285708	2017377443	2017282098	2016407019 2017270976
<b><u>F01P 7 /-</u></b>	<b><u>F16B 12 /-</u></b>	<b><u>F16L 1 /-</u></b>	<b><u>F24F 11 /-</u></b>	<b><u>F28F 17 /-</u></b>	<b><u>F42D 3 /-</u></b>
2016410305	2017289296	2017289718	2017295578	2016420053	2017270976
<b><u>F02B 61 /-</u></b>	<b><u>F16B 13 /-</u></b>	<b><u>F16L 13 /-</u></b>	<b><u>F24F 13 /-</u></b>	<b><u>F41A 17 /-</u></b>	<b><u>G01B 11 /-</u></b>
2016410305	2017292730 2017297672 2017299069	2017288521	2016420053 2017295578 2018244971	2017275796	2016412921
<b><u>F02M 31 /-</u></b>	<b><u>F16B 2 /-</u></b>	<b><u>F16L 15 /-</u></b>	<b><u>F24F 3 /-</u></b>	<b><u>F41A 23 /-</u></b>	<b><u>G01B 21 /-</u></b>
2017265781	2017268333 2017274579 2017289296	2017316876	2017295578	2017271234 2017275796	2016408910
<b><u>F02M 37 /-</u></b>	<b><u>F16B 25 /-</u></b>	<b><u>F16L 17 /-</u></b>	<b><u>F24F 5 /-</u></b>	<b><u>F41A 27 /-</u></b>	<b><u>G01C 19 /-</u></b>
2017265781	2017294325	2017273138	2017377443	2017271234	2017320148
<b><u>F03D 13 /-</u></b>	<b><u>F16B 5 /-</u></b>	<b><u>F16L 3 /-</u></b>	<b><u>F24H 7 /-</u></b>	<b><u>F41A 9 /-</u></b>	<b><u>G01C 21 /-</u></b>
2016412179	2017308325	2017268333	2017282098	2017275796	2017278032 2017291713
<b><u>F03D 17 /-</u></b>	<b><u>F16B 7 /-</u></b>	<b><u>F16L 33 /-</u></b>	<b><u>F24S 20 /-</u></b>	<b><u>F41G 1 /-</u></b>	<b><u>G01D 11 /-</u></b>
2017401053	2017274579 2017285460 2017289296	2017288521	2017266626	2017263555 2017270586 2017297739	2017299469 2017300166
<b><u>F03D 7 /-</u></b>	<b><u>F16B 9 /-</u></b>	<b><u>F16L 41 /-</u></b>	<b><u>F25B 13 /-</u></b>	<b><u>F41H 7 /-</u></b>	<b><u>G01D 5 /-</u></b>
2017390078	2017274579 2017289296	2017306897	2017282098	2017271234	2017275843
<b><u>F03D 80 /-</u></b>	<b><u>F16C 29 /-</u></b>	<b><u>F16L 47 /-</u></b>	<b><u>F25B 31 /-</u></b>	<b><u>F42B 10 /-</u></b>	<b><u>G01F 1 /-</u></b>
2017401053	2016414625	2017261891	2017282588	2017289696	2016412713
<b><u>F03D 9 /-</u></b>	<b><u>F16C 32 /-</u></b>	<b><u>F16L 55 /-</u></b>	<b><u>F25B 41 /-</u></b>	<b><u>F42B 12 /-</u></b>	<b><u>G01F 15 /-</u></b>
2017293758	2016414625	2017265935 2017306897	2017282588 2017295578	2017290420 2017291295	2016412713
<b><u>F03G 7 /-</u></b>	<b><u>F16D 1 /-</u></b>	<b><u>F16L 59 /-</u></b>	<b><u>F25B 9 /-</u></b>	<b><u>F42B 15 /-</u></b>	<b><u>G01F 19 /-</u></b>
2017271392	2016414625	2017283977	2017282588	2017289696	2016412713
<b><u>F04D 13 /-</u></b>	<b><u>F16D 55 /-</u></b>	<b><u>F17C 13 /-</u></b>	<b><u>F25D 21 /-</u></b>	<b><u>F42B 19 /-</u></b>	<b><u>G01F 22 /-</u></b>
2017267092	2016414625	2017289548	2016420053 2017295578	2017289696	2017407999
<b><u>F04D 15 /-</u></b>	<b><u>F16D 59 /-</u></b>	<b><u>F17C 3 /-</u></b>	<b><u>F25J 1 /-</u></b>	<b><u>F42B 30 /-</u></b>	<b><u>G01F 23 /-</u></b>
2017267092	2017267092	2017289548	2017282588	2017289696	2017407999
<b><u>F04D 29 /-</u></b>		<b><u>F17C 5 /-</u></b>	2017294126	2017289696 2017291295	2017407999
2017267092	2017267092	2017266684			2017283809
2016413288 2017267092	2016409305	2016412662			2016412713
	2016409305				

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

<b>G01G 19 /-</b>	<b>G01N 24 /-</b>	2017300166	<b>G03H 1 /-</b>	2017372921 2017409830	2018282296 2018282300
2017271204 2017271205	2017288054	<b>G01V 11 /-</b>	2017270014		
<b>G01H 1 /-</b>	<b>G01N 27 /-</b>	2016418346	<b>G05B 13 /-</b>	<b>G06K 19 /-</b>	<b>G06T 1 /-</b>
2016407806	2016412541	<b>G01V 3 /-</b>	2017291053	2017282187 2017291011	2017282135
<b>G01H 11 /-</b>	<b>G01N 29 /-</b>	2017288054	<b>G05B 15 /-</b>	<b>G06K 7 /-</b>	<b>G06T 11 /-</b>
2017273700	2017288809	<b>G01V 5 /-</b>	2017285479	2016413531	2017278241 2017291131
<b>G01J 1 /-</b>	<b>G01N 3 /-</b>	2017274077 2017283553	<b>G05B 19 /-</b>	<b>G06K 9 /-</b>	<b>G06T 15 /-</b>
2016412921 2017289405	2017278154 2017295410	<b>G01V 99 /-</b>	2017278154 2017285479	2016407806 2017275361 2017287619 2017291584 2017293746 2017300097 2017342154	2017285945
<b>G01J 3 /-</b>	<b>G01N 30 /-</b>	2016418346	<b>G05D 1 /-</b>		<b>G06T 17 /-</b>
2017274079	2017290706	<b>G02B 1 /-</b>	2017267155 2017274080 2017416079		2017274080 2017291131
<b>G01J 5 /-</b>	<b>G01N 33 /-</b>	2017286554 2017293336 2017293338	<b>G05G 1 /-</b>	<b>G06N 99 /-</b>	<b>G06T 7 /-</b>
2017270923	2017268701 2017273169 2017273170	<b>G02B 21 /-</b>	2017279030	2016410631	2017274080 2017275361 2017291131 2017302833
<b>G01K 1 /-</b>	2017275358 2017277065	2017287141	<b>G05G 5 /-</b>	<b>G06Q 10 /-</b>	<b>G07C 9 /-</b>
2017287017	2017282135 2017286979 2017287704	<b>G02B 23 /-</b>	2017279030	2016412622 2016412624 2016413531 2017267250 2017273199 2017280860 2017281699 2017281894 2017290713 2017291713 2017294574 2017315755	2017267543 2017284797
<b>G01L 1 /-</b>	2017289987 2017291053 2017294979 2017299447 2017301970	2017263555	<b>G05G 9 /-</b>		<b>G07D 3 /-</b>
2017280145	<b>G01L 3 /-</b>	<b>G02B 26 /-</b>	2017364482		2016407875
<b>G01L 3 /-</b>	2017299447 2017301970	2017292404	<b>G06F 1 /-</b>		<b>G07D 7 /-</b>
2017279889	<b>G01L 5 /-</b>	<b>G02B 27 /-</b>	2017268478 2017282187		2016407875
2017279889 2017280145	2017282153 2017285479	2017291131	<b>G06F 13 /-</b>		<b>G07D 9 /-</b>
<b>G01L 9 /-</b>	<b>G01N 9 /-</b>	2017270014	2017302566	<b>G06Q 20 /-</b>	2016407875
2017319613	2017283809	<b>G02B 6 /-</b>	<b>G06F 15 /-</b>	2017270662 2017279984 2017281243 2017285699 2017290878 2017298447 2017302266 2017304749 2017311606	<b>G07F 17 /-</b>
<b>G01M 17 /-</b>	<b>G01P 15 /-</b>	2017282642 2017288263 2017288264 2017300621	2017289696		2017268025 2017276794 2017409830
2017274420	2017271003 2017320148	<b>G02B 7 /-</b>	2016418346 2017273199 2017286771		<b>G07F 7 /-</b>
<b>G01N 1 /-</b>	<b>G01R 31 /-</b>	2017263555	<b>G06F 21 /-</b>	<b>G06Q 30 /-</b>	2017293129
2017268701 2017285701	2017266447 2017288693	<b>G02C 1 /-</b>	2017267543 2017290267 2017290741 2017291584	2017280108 2017280860 2017283645 2017285209 2017287304	<b>G07F 9 /-</b>
<b>G01N 15 /-</b>	<b>G01R 33 /-</b>	2017293435	<b>G06F 3 /-</b>		2017277622
2017285701	2017280205 2017288054 2017290686	<b>G02C 13 /-</b>	2016407806 2017264163 2017277622 2017291131 2017291584 2017364482	2017290839	<b>G07G 1 /-</b>
<b>G01N 19 /-</b>	<b>G01S 17 /-</b>	2017287517	<b>G06F 9 /-</b>	<b>G06Q 50 /-</b>	2017270662 2017281243
2017295410	2017274080	<b>G02C 7 /-</b>	2017290267 2017290741 2017330520	2016412622 2017277098 2017280860 2017282135 2017294574 2017377670 2017410523	<b>G08B 15 /-</b>
<b>G01N 21 /-</b>	<b>G01T 1 /-</b>	2017274563 2017287517 2017293336 2017293338			2017293656
2017274077 2017285701	2017274077	<b>G03F 7 /-</b>			<b>G08B 21 /-</b>
<b>G01N 23 /-</b>	<b>G01V 1 /-</b>	2017289257			2017266593 2017293323
2017274077 2017274079 2017283257 2017283553	2017281735 2017281997 2017299469				

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

<b><u>G08B 23 /-</u></b>	<b><u>H01J 61 /-</u></b>	<b><u>H02J 50 /-</u></b>	<b><u>H04L 1 /-</u></b>	<b><u>H04R 25 /-</u></b>	<b><u>H04W 8 /-</u></b>
2017293369 2017293656	2017286995	2017320148	2017266957 2018257012	2017281686	2017281686 2017288581
<b><u>G08C 17 /-</u></b>	<b><u>H01L 21 /-</u></b>	<b><u>H02J 7 /-</u></b>	<b><u>H04L 12 /-</u></b>	<b><u>H04R 29 /-</u></b>	<b><u>H04W 84 /-</u></b>
2017273700	2017295312	2017277641 2017285699 2017320148	2016250293 2017266957 2017279481 2017283226 2017290904	2017281686 2017285321	2017277417
<b><u>G08G 1 /-</u></b>	<b><u>H01L 27 /-</u></b>	<b><u>H02K 1 /-</u></b>	<b><u>H04L 27 /-</u></b>	<b><u>H04W 12 /-</u></b>	<b><u>H04W 88 /-</u></b>
2017417171 2018274980	2017294604	2017277293	2017277415 2017284729 2017301213	2017290878 2017332645	2017277411 2017277415 2017311483
<b><u>G08G 5 /-</u></b>	<b><u>H01L 31 /-</u></b>	<b><u>H02K 5 /-</u></b>	<b><u>H04L 29 /-</u></b>	<b><u>H04W 16 /-</u></b>	<b><u>H04W 92 /-</u></b>
2017285036	2017286684 2017295312	2017277199	2016250293 2017268249 2017332645	2017302500	2017305148 2017308552
<b><u>G09F 13 /-</u></b>	<b><u>H01L 51 /-</u></b>	<b><u>H02K 7 /-</u></b>	<b><u>H04L 5 /-</u></b>	<b><u>H04W 24 /-</u></b>	<b><u>H05B 1 /-</u></b>
2017293369	2017289405	2017277199	2017277415 2017284729 2017301213	2017287229 2017301699	2017294574
<b><u>G09F 9 /-</u></b>	<b><u>H01M 10 /-</u></b>	<b><u>H03G 1 /-</u></b>	<b><u>H04L 9 /-</u></b>	<b><u>H04W 28 /-</u></b>	<b><u>H05B 6 /-</u></b>
2017265620 2018241677 2018252568	2017293769	2017281686	2016425359 2017286475	2017310952	2017289114 2017309703 2017312404
<b><u>G09G 5 /-</u></b>	<b><u>H01M 6 /-</u></b>	<b><u>H03K 19 /-</u></b>	<b><u>H04L 13 /-</u></b>	<b><u>H04W 36 /-</u></b>	<b><u>H05K 1 /-</u></b>
2017293369	2017293769	2017294604	2017270400 2017270401 2017270402 2017270403	2017277415	2017302566
<b><u>G10H 3 /-</u></b>	<b><u>H01M 8 /-</u></b>	<b><u>H04B 1 /-</u></b>	<b><u>H04N 19 /-</u></b>	<b><u>H04W 4 /-</u></b>	<b><u>H05K 5 /-</u></b>
2017275897	2017268378	2017266447 2017277411	2017308831 2017317847	2017268249 2017281686 2017284946 2017288581 2017290904 2017315755	2017282187 2018252568 2018252573
<b><u>G10L 15 /-</u></b>	<b><u>H01P 3 /-</u></b>	<b><u>H04B 11 /-</u></b>	<b><u>H04N 21 /-</u></b>	<b><u>H04W 48 /-</u></b>	<b><u>H05K 7 /-</u></b>
2017274657	2017277411	2017286475	2016409676 2016410631 2017270401 2017301213 2017301426 2017328847	2017288581	2017289696
<b><u>G11B 5 /-</u></b>	<b><u>H01R 13 /-</u></b>	<b><u>H04B 3 /-</u></b>	<b><u>H04B 7 /-</u></b>	<b><u>H04W 52 /-</u></b>	
2017282087	2016407566 2017268478 2017274575 2017282187 2017300621	2017266447 2017277411	2017277411 2017277414 2017277415 2017291705 2017302500 2017305962 2017308552	2017309166	
<b><u>G21B 1 /-</u></b>	<b><u>H01R 39 /-</u></b>	<b><u>H04B 20 /-</u></b>	<b><u>H04J 1 /-</u></b>	<b><u>H04W 56 /-</u></b>	
2017290686	2017274515	2017301213 2017328847	2017328847	2017308552	
<b><u>G21F 3 /-</u></b>	<b><u>H02G 11 /-</u></b>	<b><u>H04H 20 /-</u></b>	<b><u>H04J 11 /-</u></b>	<b><u>H04W 68 /-</u></b>	
2017403346	2016415537	2016409676 2016410631 2017270401 2017301213 2017301426 2017328847	2017328847	2017288581	
<b><u>G21F 9 /-</u></b>	<b><u>H02G 7 /-</u></b>	<b><u>H04H 20 /-</u></b>	<b><u>H04J 14 /-</u></b>	<b><u>H04W 72 /-</u></b>	
2017291934 2017292861	2018271335	2016409676 2016410631 2017270401 2017301213 2017301426 2017328847	2017301213 2017328847	2017288581	
<b><u>G21G 1 /-</u></b>	<b><u>H02H 9 /-</u></b>	<b><u>H04H 20 /-</u></b>	<b><u>H04J 1 /-</u></b>	<b><u>H04W 74 /-</u></b>	
2017289210	2017268478	2016409676 2016410631 2017270401 2017301213 2017301426 2017328847	2017328847	2017277415 2017284729 2017287229 2017301462 2017302500 2017305147 2017305148 2017305413 2017305962 2017311483	
<b><u>H01H 33 /-</u></b>	<b><u>H02J 1 /-</u></b>	<b><u>H04H 20 /-</u></b>	<b><u>H04J 11 /-</u></b>		
2017293049	2017277641	2016409676 2016410631 2017270401 2017301213 2017301426 2017328847	2017328847		
<b><u>H01H 71 /-</u></b>	<b><u>H02J 13 /-</u></b>	<b><u>H04H 20 /-</u></b>	<b><u>H04J 14 /-</u></b>		
2017352603	2017286628	2016409676 2016410631 2017270401 2017301213 2017301426 2017328847	2017308552		
<b><u>H01H 9 /-</u></b>	<b><u>H02J 3 /-</u></b>	<b><u>H04H 20 /-</u></b>	<b><u>H04J 3 /-</u></b>		
2017293049	2017277399 2017286628 2017293074 2018269774	2017290904	2017290904		
<b><u>H01J 49 /-</u></b>		<b><u>H04J 3 /-</u></b>	<b><u>H04R 1 /-</u></b>		
2017290706		2017328847	2017275897	2017301462 2017302500	

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**G01F 23/26** ( 2006.01 )  
**G01N 27/22** ( 2006.01 )  
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**C07H 21/04** ( 2006.01 )  
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producing a frame for a window  
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A61P 35/00 ( 2006.01 )  
B01D 46/00 ( 2006.01 )

B01J 2/04 ( 2006.01 )  
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 A47L 5/24 ( 2006.01 )  
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 A47L 9/24 ( 2006.01 )  
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 A47L 9/32 ( 2006.01 )  
 B25F 5/02 ( 2006.01 )  
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**A01N 43/50** ( 2006.01 )  
**A01N 43/76** ( 2006.01 )  
**C07D 401/04** ( 2006.01 )  
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**(54)** System for pumping a fluid and method for its operation  
**(51)** Int. Cl.  
**F04D 7/04** ( 2006.01 )  
**F04D 13/08** ( 2006.01 )  
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**D06F 37/10** ( 2006.01 )  
**D06F 33/02** ( 2006.01 )  
**D06F 37/28** ( 2006.01 )  
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**G02F 1/1333** ( 2006.01 )

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**(71)** LG Electronics Inc.  
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**(51)** Int. Cl.  
**D06F 39/02** ( 2006.01 )  
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**(54)** Dishwasher and controlling method thereof  
**(51)** Int. Cl.  
**A47L 15/00** ( 2006.01 )  
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**(72)** Kim, Seunghun; Woo, Sangwoo; Kim, Ilhwan  
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**(51)** Int. Cl.  
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**(51)** Int. Cl.  
**H01L 23/473** ( 2006.01 )  
**F28D 7/08** ( 2006.01 )  
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**G01F 1/44** ( 2006.01 )

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**(51)** Int. Cl.  
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**(54)** Method and system to determine erroneous measurement signals during a test measurement sequence  
**(51)** Int. Cl.  
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**(51)** Int. Cl.  
**C01F 7/26** ( 2006.01 )  
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*B01J 3/04* ( 2006.01 )  
*F24S 10/40* ( 2018.01 )  
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 (74) IP Gateway Patent and Trade Mark Attorneys Pty Ltd

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*A23K 50/00* ( 2016.01 )  
*A23K 10/40* ( 2016.01 )  
*A23P 20/00* ( 2016.01 )  
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 (72) Martinez Villagran, Maria Dolores  
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 (51) Int. Cl.  
*F28G 1/16* ( 2006.01 )  
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exchanger pipes and a ceramic com-  
ponent  
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(74) Davies Collison Cave Pty Ltd

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pentapeptide  
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*C07K 5/107* ( 2006.01 )  
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President and Fellows of Harvard College  
(21) 2014236340

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King Fahd University of Petroleum &  
Minerals  
(11) AU-B-2017210547  
(21) 2017210547 (22) 02.08.2017  
(54) GRAPHENE BASED FILTER  
(51) Int. Cl.  
*B01D 67/00* ( 2006.01 )  
*C02F 1/44* ( 2006.01 )  
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neys Pty Ltd

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(21) 2015347054 (22) 06.11.2015  
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tion services on-behalf-of issuers  
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 (54) Viscous rotational speed control device  
 (51) Int. Cl.  
*B05B 3/02* (2006.01)  
*B05B 1/30* (2006.01)  
*B05B 3/00* (2006.01)  
*B05B 3/04* (2006.01)  
*B05B 15/00* (2006.01)  
 (87) WO2016/115210  
 (31) 14/699,445 (32) 29.04.15 (33) US  
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 (74) Baxter Patent Attorneys Pty Ltd
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 (11) AU-B-2014231689  
 (21) 2014231689 (22) 06.03.2014  
 (54) Prosthetic valve with anti-pivoting mechanism  
 (51) Int. Cl.  
*A61F 2/24* (2006.01)  
 (87) WO2014/138868  
 (31) 14/195,576 (32) 03.03.14 (33) US  
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 (43) 18.09.2014  
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 (74) Spruson & Ferguson
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- (71) Neptune Systems, LLC  
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 (21) 2015209628 (22) 16.01.2015  
 (54) Flood barrier system  
 (51) Int. Cl.  
*E02B 7/22* (2006.01)  
 (87) WO2015/112447  
 (31) 14/162,317 (32) 23.01.14 (33) US  
 (43) 30.07.2015  
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 (72) Knezevich, John William; Hamilton, Guy Richard; Davis Jr., Joseph Michael  
 (74) IP Gateway Patent and Trade Mark Attorneys Pty Ltd
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 (21) 2013354355 (22) 25.11.2013  
 (54) Hexanoylglycine as biomarker for the predisposition for weight gain and obesity  
 (51) Int. Cl.

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**(31)** 12.195487.9 **(32)** 04.12.12 **(33)** EP  
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**(74)** Shelston IP Pty Ltd.

**(71)** Nestec S.A.  
**(11)** AU-B-2014372764  
**(21)** 2014372764 **(22)** 12.12.2014  
**(54)** Simple ergonomic user-interface for a beverage machine  
**(51)** Int. Cl.  
**A47J 31/52** ( 2006.01 )  
**G07F 9/02** ( 2006.01 )  
**(87)** WO2015/096998  
**(31)** 13199284.4 **(32)** 23.12.13 **(33)** EP  
**(43)** 02.07.2015  
**(44)** 17.01.2019  
**(72)** Cahen, Antoine; Cacace, Pietro  
**(74)** Shelston IP Pty Ltd.

**(71)** Netflix, Inc.  
**(11)** AU-B-2013329022  
**(21)** 2013329022 **(22)** 11.10.2013  
**(54)** A system and method for managing playback of streaming digital content  
**(51)** Int. Cl.  
**G06F 15/16** ( 2006.01 )  
**G06F 15/177** ( 2006.01 )  
**G06F 17/00** ( 2006.01 )  
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**(31)** 13/650,076 **(32)** 11.10.12 **(33)** US  
**(43)** 17.04.2014  
**(44)** 17.01.2019  
**(72)** Gunderson, Brady; Peters, Greg  
**(74)** FPA Patent Attorneys Pty Ltd

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**(11)** AU-B-2013329096  
**(21)** 2013329096 **(22)** 11.10.2013  
**(54)** A system and method for managing playback of streaming digital content  
**(51)** Int. Cl.  
**G06F 15/16** ( 2006.01 )  
**G06F 17/00** ( 2006.01 )  
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**(72)** Gunderson, Brady; Peters, Greg  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Netherlands Translational Research Center B.V.  
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**(51)** Int. Cl.  
**C07D 471/22** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )

**A61P 35/00** ( 2006.01 )  
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**(44)** 17.01.2019  
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**(74)** Spruson & Ferguson

**(71)** Nevro Corporation  
**(11)** AU-B-2017225059  
**(21)** 2017225059 **(22)** 07.09.2017  
**(54)** MODELING POSITIONS OF IM-PLANTED DEVICES IN A PATIENT  
**(51)** Int. Cl.  
**A61N 1/05** ( 2006.01 )  
**(43)** 28.09.2017  
**(44)** 17.01.2019  
**(62)** 2012318586  
**(72)** Wingeier, Brett  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**New York University see The Regents of The University of California**  
**(21)** 2014236553

**(71)** Nexans  
**(11)** AU-B-2015345284  
**(21)** 2015345284 **(22)** 03.11.2015  
**(54)** Termination of strength members of deep water cables  
**(51)** Int. Cl.  
**F16G 11/04** ( 2006.01 )  
**(87)** WO2016/074998  
**(31)** 14306795.7 **(32)** 10.11.14 **(33)** EP  
**(43)** 19.05.2016  
**(44)** 17.01.2019  
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**(74)** Halfords IP

**(71)** Nextivity, Inc.  
**(11)** AU-B-2015219119  
**(21)** 2015219119 **(22)** 18.02.2015  
**(54)** System for maximizing gain in a repeater  
**(51)** Int. Cl.  
**H04B 7/155** ( 2006.01 )  
**(87)** WO2015/126975  
**(31)** 61/941,449 **(32)** 18.02.14 **(33)** US  
**(43)** 27.08.2015  
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**(74)** Phillips Ormonde Fitzpatrick

**(71)** Nicoventures Holdings Limited  
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**(21)** 2016286402 **(22)** 15.06.2016  
**(54)** Electronic vapour provision system

**(51)** Int. Cl.  
**A24F 47/00** ( 2006.01 )  
**(87)** WO2017/001820  
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**(11)** AU-B-2016331133  
**(21)** 2016331133 **(22)** 06.07.2016  
**(54)** Austenitic stainless steel and method for producing austenitic stainless steel  
**(51)** Int. Cl.  
**C22C 38/00** ( 2006.01 )  
**C21D 8/00** ( 2006.01 )  
**C22C 38/58** ( 2006.01 )  
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**(44)** 17.01.2019  
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**(74)** FB Rice Pty Ltd

**(71)** Nisshin Steel Co., Ltd.  
**(11)** AU-B-2016393538  
**(21)** 2016393538 **(22)** 09.09.2016  
**(54)** Laser-welded shaped steel and method for producing same  
**(51)** Int. Cl.  
**B23K 26/242** ( 2014.01 )  
**B23K 26/21** ( 2014.01 )  
**C22C 38/00** ( 2006.01 )  
**(87)** WO2017/141470  
**(31)** 2016-089403 **(32)** 27.04.16 **(33)** JP  
 2016-027285 16.02.16 JP  
**(43)** 24.08.2017  
**(44)** 17.01.2019  
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**(74)** IP SOLVED (ANZ) PTY. LTD.

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**(11)** AU-B-2015365455  
**(21)** 2015365455 **(22)** 15.12.2015  
**(54)** Isoxazole hydroxamic acid compounds as LpxC inhibitors  
**(51)** Int. Cl.  
**C07D 413/06** ( 2006.01 )  
**A61K 31/42** ( 2006.01 )  
**C07D 261/08** ( 2006.01 )

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**(31)** 62/092,402 **(32)** 16.12.14 **(33)** US  
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**(74)** Davies Collison Cave Pty Ltd

**(71)** Novellis Inc.  
**(11)** AU-B-2016206897  
**(21)** 2016206897 **(22)** 12.01.2016  
**(54)** Highly formable automotive aluminum sheet with reduced or no surface roping and a method of preparation  
**(51)** Int. Cl.  
**C22C 21/00** ( 2006.01 )  
**C22C 21/02** ( 2006.01 )  
**C22C 21/06** ( 2006.01 )  
**C22C 21/08** ( 2006.01 )  
**(87)** WO2016/115120  
**(31)** 62/102,124 **(32)** 12.01.15 **(33)** US  
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**(44)** 17.01.2019  
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**(74)** Davies Collison Cave Pty Ltd

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**(21)** 2017305004 **(22)** 03.03.2017  
**(54)** High-strength, corrosion resistant aluminum alloys for use as fin stock and methods of making the same  
**(51)** Int. Cl.  
**C22C 21/00** ( 2006.01 )  
**(43)** 20.09.2018  
**(44)** 17.01.2019  
**(72)** Kadali, Jyothi; Simielli, Eider Alberto  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Novozymes A/S  
**(11)** AU-B-2015286897  
**(21)** 2015286897 **(22)** 06.07.2015  
**(54)** Dough with a lipolytic enzyme and/or xylanase and a monoxygenase  
**(51)** Int. Cl.  
**A21D 8/04** ( 2006.01 )  
**A21D 10/00** ( 2006.01 )  
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**(21)** 2015306506  


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**(11)** AU-B-2015306506  
**(21)** 2015306506 **(22)** 29.09.2015  
**(54)** Resistor, heat dissipater, and combinatory device of resistor and heat dissipater  
**(51)** Int. Cl.  
**H01C 1/028** ( 2006.01 )  
**H01C 1/082** ( 2006.01 )  
**H01C 1/14** ( 2006.01 )  
**H01C 3/00** ( 2006.01 )  
**(87)** WO2016/026470  
**(31)** 201410419992.1 **(32)** 22.08.14 **(33)** CN  
**(43)** 25.02.2016  
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**(72)** Fang, Taixun; Zhang, Xiang; Liu, Lei; Li, Zhao; Zhang, Guangtai; Ding, Feng-feng; Zhang, Huiliang  
**(74)** Madderns Patent & Trade Mark Attorneys

**(71)** NUCOR CORPORATION  
**(11)** AU-B-2017202997  
**(21)** 2017202997 **(22)** 05.05.2017  
**(54)** A Hot Rolled Thin Cast Strip Product And Method For Making The Same  
**(51)** Int. Cl.  
**B21B 1/46** ( 2006.01 )  
**B22D 11/06** ( 2006.01 )  
**C22C 38/02** ( 2006.01 )  
**C22C 38/04** ( 2006.01 )  
**C22C 38/06** ( 2006.01 )  
**C22C 38/08** ( 2006.01 )  
**C22C 38/12** ( 2006.01 )  
**C22C 38/16** ( 2006.01 )  
**C22C 38/58** ( 2006.01 )  
**(43)** 01.06.2017  
**(44)** 17.01.2019  
**(62)** 2010215077  
**(72)** EDELMAN, DANIEL GEOFFREY; KILL-MORE, CHRISTOPHER RONALD; ALWIN-BECKER, MARY E.  
**(74)** Griffith Hack

**(71)** Nuvera Fuel Cells, LLC  
**(11)** AU-B-2014293442  
**(21)** 2014293442 **(22)** 18.07.2014  
**(54)** Dynamic decompression control for high pressure seals  
**(51)** Int. Cl.  
**C25B 15/02** ( 2006.01 )  
**C25B 1/12** ( 2006.01 )  
**(87)** WO2015/013130  
**(31)** 61/857,281 **(32)** 23.07.13 **(33)** US  
**(43)** 29.01.2015  
**(44)** 17.01.2019  
**(72)** Blanchet, Scott  
**(74)** Griffith Hack

**(71)** Nuvo Residential, LLC dba NUVOH2O  
**(11)** AU-B-2016262735  
**(21)** 2016262735 **(22)** 24.11.2016  
**(54)** Water treatment systems and methods

**(51)** Int. Cl.  
**C02F 5/02** ( 2006.01 )  
**(43)** 15.12.2016  
**(44)** 17.01.2019  
**(62)** 2013215092  
**(72)** WASHBURN, Laird; TERRY, Sean  
**(74)** Griffith Hack  


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**(71)** NZ Tube Mills Ltd  
**(11)** AU-B-2017239614  
**(21)** 2017239614 **(22)** 06.10.2017  
**(54)** A Plant Strap  
**(51)** Int. Cl.  
**A01G 9/12** ( 2006.01 )  
**A01G 17/04** ( 2006.01 )  
**B65D 63/10** ( 2006.01 )  
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**(31)** 726655 **(32)** 22.11.16 **(33)** NZ  
**(43)** 07.06.2018  
**(44)** 17.01.2019  
**(72)** Barnes, Paul  
**(74)** AJ Pietras & Co

**(71)** Ocera Therapeutics, Inc.  
**(11)** AU-B-2017202081  
**(21)** 2017202081 **(22)** 29.03.2017  
**(54)** L-ornithine phenyl acetate and methods of making thereof  
**(51)** Int. Cl.  
**C07C 57/46** ( 2006.01 )  
**A61K 31/192** ( 2006.01 )  
**A61K 31/198** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )  
**C07C 229/26** ( 2006.01 )  
**(43)** 20.04.2017  
**(44)** 17.01.2019  
**(62)** 2015221466  
**(72)** ANDERSON, Keith; BEHLING, Jim; DOUGAN, Christine Henderson; WATT, Stephen William; MANINI, Peter; FIGINI, Attilia  
**(74)** Spruson & Ferguson

**(71)** Oculentis Holding B.V.  
**(11)** AU-B-2014296940  
**(21)** 2014296940 **(22)** 28.07.2014  
**(54)** Intraocular lens structure  
**(51)** Int. Cl.  
**A61F 2/16** ( 2006.01 )  
**(87)** WO2015/016705  
**(31)** 2012659 **(32)** 18.04.14 **(33)** NL  
 2011562 04.10.13 NL  
 2011235 29.07.13 NL  
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**(43)** 05.02.2015  
**(44)** 17.01.2019  
**(72)** Wanders, Bernardus Franciscus Maria  
**(74)** PIPERS

**(71)** Oerlikon Metco (US) Inc.  
**(11)** AU-B-2013408315  
**(21)** 2013408315 **(22)** 19.12.2013  
**(54)** Long-life plasma nozzle with liner  
**(51)** Int. Cl.  
**B05B 1/02** ( 2006.01 )  
**B05B 1/06** ( 2006.01 )

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**(43)** 25.06.2015  
**(44)** 17.01.2019  
**(72)** Molz, Ronald J.; Hawley, Dave  
**(74)** Watermark Intellectual Property Pty Ltd

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**(71)** OpenTV, Inc.  
**(11)** AU-B-2015374539  
**(21)** 2015374539 **(22)** 08.12.2015  
**(54)** Lull management for content delivery  
**(51)** Int. Cl.  
**G06F 17/30** ( 2006.01 )  
**(87)** WO2016/109131  
**(31)** 14/588,224 **(32)** 31.12.14 **(33)** US  
**(43)** 07.07.2016  
**(44)** 17.01.2019  
**(72)** Teixeira, John Michael; Doerring, Nicholas Daniel; Staunton-Lambert, Kevin; Szymanski, Steven J.  
**(74)** FB Rice Pty Ltd

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**(71)** Oren Technologies, LLC  
**(11)** AU-B-2015390112  
**(21)** 2015390112 **(22)** 27.10.2015  
**(54)** Proppant storage and transfer system and method  
**(51)** Int. Cl.  
**B61F 1/12** ( 2006.01 )  
**B61D 3/08** ( 2006.01 )  
**B61F 1/14** ( 2006.01 )  
**(87)** WO2016/160067  
**(31)** 14/922,836 **(32)** 26.10.15 **(33)** US  
 62/139,323 27.03.15 US  
 14/738,485 12.06.15 US  
**(43)** 06.10.2016  
**(44)** 17.01.2019  
**(72)** Oren, John; Oren, Joshua  
**(74)** Watermark Intellectual Property Pty Ltd

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**(71)** Oren Technologies, LLC  
**(11)** AU-B-2017201018  
**(21)** 2017201018 **(22)** 15.02.2017  
**(54)** SYSTEM OF DELIVERING AND STORING PROPPANT FOR USE AT A WELL SITE AND CONTAINER FOR SUCH PROPPANT  
**(51)** Int. Cl.  
**B65G 57/14** ( 2006.01 )  
**(43)** 23.03.2017  
**(44)** 17.01.2019  
**(62)** 2013235292  
**(72)** Oren, John  
**(74)** Watermark Intellectual Property Pty Ltd

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**(71)** Orthohelix Surgical Designs, Inc.  
**(11)** AU-B-2018201572  
**(21)** 2018201572 **(22)** 05.03.2018  
**(54)** ACTIVE COMPRESSION PLATE AND METHOD FOR ITS USE  
**(51)** Int. Cl.  
**A61B 17/80** ( 2006.01 )  
**(43)** 22.03.2018  
**(44)** 17.01.2019  
**(62)** 2016204292  
**(72)** Leither, Andrew J.; Prasad, Priya  
**(74)** Spruson & Ferguson

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**(21)** 2013298450

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**(71)** Pachmann, U.; Pachmann, K.  
**(11)** AU-B-2013298450  
**(21)** 2013298450 **(22)** 02.08.2013  
**(54)** Method for culturing a subpopulation of circulating epithelial tumour cells from a body fluid  
**(51)** Int. Cl.  
**C12N 5/095** ( 2010.01 )  
**G01N 33/50** ( 2006.01 )  
**(87)** WO2014/020169  
**(31)** 10 2012 213 838.2 **(32)** 03.08.12 **(33)** DE  
**(43)** 06.02.2014  
**(44)** 17.01.2019  
**(72)** Pachmann, Ulrich; Pachmann, Katharina  
**(74)** Golja Haines & Friend

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**(71)** Pajunk GmbH Medizintechnologie  
**(11)** AU-B-2016345497  
**(21)** 2016345497 **(22)** 10.06.2016  
**(54)** Device for limiting the injection pressure of a medical instrument for introducing a fluid  
**(51)** Int. Cl.  
**A61M 5/168** ( 2006.01 )  
**A61M 39/26** ( 2006.01 )  
**(87)** WO2017/071833  
**(31)** 62/285,447 **(32)** 30.10.15 **(33)** US  
**(43)** 04.05.2017  
**(44)** 17.01.2019  
**(72)** Capdevila, Xavier; Choquet, Olivier; Desai, Siddharth  
**(74)** Franke Hyland

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**(71)** Panasonic Intellectual Property Management Co., Ltd.  
**(11)** AU-B-2016238069  
**(21)** 2016238069 **(22)** 16.03.2016  
**(54)** Storage battery management device, control device, storage battery module, and storage battery management method  
**(51)** Int. Cl.  
**H02J 7/00** ( 2006.01 )  
**H02J 7/10** ( 2006.01 )  
**(87)** WO2016/152100  
**(31)** 2015-065023 **(32)** 26.03.15 **(33)** JP  
**(43)** 29.09.2016  
**(44)** 17.01.2019  
**(72)** Yoshimatsu, Takahiro; Yoshitake, Akira; Teramoto, Yuichiro  
**(74)** Griffith Hack

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**(71)** Papadopoulos, M.  
**(11)** AU-B-2016316834  
**(21)** 2016316834 **(22)** 26.08.2016  
**(54)** System and method for fluid sterilization  
**(51)** Int. Cl.  
**A61L 2/04** ( 2006.01 )  
**A61L 2/24** ( 2006.01 )

**C02F 1/02** ( 2006.01 )  
**(87)** WO2017/040321  
**(31)** 62/211,576 **(32)** 28.08.15 **(33)** US  
**(43)** 09.03.2017  
**(44)** 17.01.2019  
**(72)** Papadopoulos, Michael; Papadopoulos, Christian; Papadopoulos, Mark; Lewis, James Ray  
**(74)** Jennifer Lucas

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**(71)** PerceptiMed, Inc.  
**(11)** AU-B-2013305512  
**(21)** 2013305512 **(22)** 26.08.2013  
**(54)** Package locating system  
**(51)** Int. Cl.  
**G06Q 10/00** ( 2012.01 )  
**(87)** WO2014/032058  
**(31)** 61/864,451 **(32)** 09.08.13 **(33)** US  
 61/693,237 24.08.12 US  
 61/772,761 05.03.13 US  
**(43)** 27.02.2014  
**(44)** 17.01.2019  
**(72)** Jacobs, Alan Jeffrey; Mostowfi, Darius; Jacobs, Jennifer A. L.  
**(74)** Wrays

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**(71)** Pfizer Inc.  
**(11)** AU-B-2016258284  
**(21)** 2016258284 **(22)** 29.04.2016  
**(54)** Group B Streptococcus polysaccharide-protein conjugates, methods for producing conjugates, immunogenic compositions comprising conjugates, and uses thereof  
**(51)** Int. Cl.  
**C07K 16/12** ( 2006.01 )  
**A61K 39/09** ( 2006.01 )  
**(87)** WO2016/178123  
**(31)** 62/319,539 **(32)** 07.04.16 **(33)** US  
 62/237,820 06.10.15 US  
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 62/156,500 04.05.15 US  
**(43)** 10.11.2016  
**(44)** 17.01.2019  
**(72)** Anderson, Annaliesa Sybil; Bhupender Bhalla, Amardeep Singh; Donald, Robert G.K.; Gu, Jianxin; Jansen, Kathrin Ute; Kainthan, Rajesh Kumar; Khandke, Lakshmi; Kim, Jin-Hwan; Liberator, Paul; Prasad, Avvari Krishna; Ruppen, Mark Edward; Scully, Ingrid Lea; Singh, Suddham; Yang, Cindy Xudong  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** Pharnext  
**(11)** AU-B-2018201436  
**(21)** 2018201436 **(22)** 28.02.2018  
**(54)** New therapeutic approaches for treating Parkinson's disease  
**(51)** Int. Cl.  
**A61K 31/137** ( 2006.01 )  
**A61K 31/138** ( 2006.01 )  
**A61K 31/185** ( 2006.01 )  
**A61K 31/195** ( 2006.01 )  
**A61K 31/42** ( 2006.01 )  
**A61K 31/64** ( 2006.01 )  
**A61P 25/16** ( 2006.01 )  
**(43)** 22.03.2018

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 (62) 2013224960  
 (72) COHEN, Daniel; NABIROCHKIN, Serguei; CHUMAKOV, Ilya; HAJJ, Rodolphe  
 (74) Davies Collison Cave Pty Ltd

(71) Philip Morris Products S.A.  
 (11) AU-B-2014343727  
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**(72)** NEUMAN, Michael Alexander St. Leger; HADDY, John Richard; BATTYE, Robert Alexander  
**(74)** Spruson & Ferguson

**(71)** Single Buoy Moorings, Inc.  
**(11)** AU-B-2016206581  
**(21)** 2016206581           **(22)** 15.01.2016  
**(54)** Production semi-submersible with hydrocarbon storage  
**(51)** Int. Cl.  
**B63B 22/20** ( 2006.01 )  
**B63B 43/04** ( 2006.01 )  
**B63B 43/06** ( 2006.01 )  
**(87)** WO2016/115426  
**(31)** 62/103,738           **(32)** 15.01.15 **(33)** US  
           14/996,401           15.01.16        US  
**(43)** 21.07.2016  
**(44)** 17.01.2019  
**(72)** Rijken, Oriol; Davies, Kent  
**(74)** Spruson & Ferguson

**(71)** Single Buoy Moorings Inc.  
**(11)** AU-B-2015341033  
**(21)** 2015341033           **(22)** 11.08.2015  
**(54)** Vessel hull for use as a hull of a floating hydrocarbon storage and/or processing plant, method for producing such a vessel hull, vessel comprising such a vessel hull, as well method for producing such a vessel having such a vessel hull  
**(51)** Int. Cl.  
**B63B 3/70** ( 2006.01 )  
**B63B 9/06** ( 2006.01 )  
**B63B 21/50** ( 2006.01 )  
**B63B 35/44** ( 2006.01 )  
**(87)** WO2016/066295  
**(31)** 14190676.8           **(32)** 28.10.14 **(33)** EP  
**(43)** 06.05.2016  
**(44)** 17.01.2019  
**(72)** Felderhoff, Jean-Michel  
**(74)** Griffith Hack

**(71)** SITA Information Networking Computing USA, Inc.  
**(11)** AU-B-2016235040  
**(21)** 2016235040           **(22)** 03.10.2016  
**(54)** Method for determining and comparing users' paths in a building  
**(51)** Int. Cl.  
**H04W 4/02** ( 2009.01 )  
**(43)** 27.10.2016  
**(44)** 17.01.2019  
**(62)** 2013217913  
**(72)** O'SULLIVAN, Kevin; CHEIKH, Stephane  
**(74)** Griffith Hack

**(71)** Smartfish AS  
**(11)** AU-B-2014258007  
**(21)** 2014258007           **(22)** 22.04.2014  
**(54)** Use of a composition comprising fish oil and juice for the treatment and/or post treatment of cancer

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**A61K 35/00** ( 2006.01 )  
**(87)** WO2014/175748  
**(31)** 20130552 **(32)** 22.04.13 **(33)** NO  
**(43)** 30.10.2014  
**(44)** 17.01.2019  
**(72)** Mathisen, Janne Sande  
**(74)** Shelston IP Pty Ltd.

**(71)** Smart Medical Systems Ltd.  
**(11)** AU-B-2017202285  
**(21)** 2017202285 **(22)** 06.04.2017  
**(54)** Balloon-equipped endoscopic devices and methods thereof  
**(51)** Int. Cl.  
**A61F 2/958** ( 2013.01 )  
**(43)** 27.04.2017  
**(44)** 17.01.2019  
**(62)** 2012226390  
**(72)** Terliuc, Gad; Luria, Gilad  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Smart Sinks Pty Ltd  
**(11)** AU-B-2014203445  
**(21)** 2014203445 **(22)** 24.06.2014  
**(54)** SINK ASSEMBLY  
**(51)** Int. Cl.  
**E03C 1/12** ( 2006.01 )  
**(43)** 21.01.2016  
**(44)** 17.01.2019  
**(72)** Hanson, Craig  
**(74)** Wynnes Patent and Trade Mark Attorneys Pty Ltd

**(71)** Smart Solutions Technologies, S.L.  
**(11)** AU-B-2016244285  
**(21)** 2016244285 **(22)** 13.10.2016  
**(54)** ELECTRONIC TEXTILE ASSEMBLY  
**(51)** Int. Cl.  
**A41D 13/12** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61B 5/0408** ( 2006.01 )  
**A61N 1/00** ( 2006.01 )  
**A61N 1/04** ( 2006.01 )  
**(43)** 03.11.2016  
**(44)** 17.01.2019  
**(62)** 2013283177  
**(72)** Barber, Agustin Macia; Juan, Daniel Llorca; Rengel, Christian Vicente; Munoz, Borja Gonzalez  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Smarttruck Systems, LLC  
**(11)** AU-B-2017213488  
**(21)** 2017213488 **(22)** 09.08.2017  
**(54)** Drag reducing mirror assemblies for vehicles  
**(51)** Int. Cl.  
**B62D 35/00** ( 2006.01 )  
**B60R 1/06** ( 2006.01 )  
**B60R 1/074** ( 2006.01 )  
**(43)** 31.08.2017

**(44)** 17.01.2019  
**(62)** 2014241954  
**(72)** HENDERSON, Michael Lorenzo; WULFF, Stephen Alfred  
**(74)** Spruson & Ferguson

**(71)** SMA Therapeutics Inc.  
**(11)** AU-B-2015369690  
**(21)** 2015369690 **(22)** 22.12.2015  
**(54)** 3,5-diaminopyrazole kinase inhibitors  
**(51)** Int. Cl.  
**C07D 403/12** ( 2006.01 )  
**A61K 31/415** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**A61K 31/5377** ( 2006.01 )  
**A61K 31/541** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**C07D 231/14** ( 2006.01 )  
**C07D 401/12** ( 2006.01 )  
**C07D 403/14** ( 2006.01 )  
**C07D 413/12** ( 2006.01 )  
**C07D 417/12** ( 2006.01 )

**(87)** WO2016/106309  
**(31)** 62/096,308 **(32)** 23.12.14 **(33)** US  
**(43)** 30.06.2016  
**(44)** 17.01.2019  
**(72)** Ly, Tai Wei  
**(74)** Adams Pluck

**(71)** Smith & Nephew, Inc.  
**(11)** AU-B-2014251015  
**(21)** 2014251015 **(22)** 09.04.2014  
**(54)** Open-architecture interference screw  
**(51)** Int. Cl.  
**A61F 2/08** ( 2006.01 )  
**A61B 17/86** ( 2006.01 )  
**(87)** WO2014/169058  
**(31)** 61/810,007 **(32)** 09.04.13 **(33)** US  
**(43)** 16.10.2014  
**(44)** 17.01.2019  
**(72)** Stroncek, John D.; Berube Jr., Alfred R.; Aarsvold, Kirsten H.  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Smith & Nephew Plc  
**(11)** AU-B-2017210588  
**(21)** 2017210588 **(22)** 03.08.2017  
**(54)** Systems and methods for controlling operation of a reduced pressure therapy system  
**(51)** Int. Cl.  
**A61M 1/00** ( 2006.01 )  
**(43)** 24.08.2017  
**(44)** 17.01.2019  
**(62)** 2011373654  
**(72)** ALLEN, Julie; ASKEM, Ben Alan; COLLINSON, Sarah Jenny; HUGHEY, Richard; NICOLINI, Derek  
**(74)** Griffith Hack

**(71)** Sofradim Production  
**(11)** AU-B-2014276851  
**(21)** 2014276851 **(22)** 05.06.2014  
**(54)** Textile-based prosthesis for laparoscopic surgery  
**(51)** Int. Cl.

**A61F 2/00** ( 2006.01 )  
**(87)** WO2014/195389  
**(31)** 13/55261 **(32)** 07.06.13 **(33)** FR  
**(43)** 11.12.2014  
**(44)** 17.01.2019  
**(72)** Bailly, Pierre  
**(74)** Spruson & Ferguson

**(71)** Solenis Technologies Cayman, L.P.  
**(11)** AU-B-2014375247  
**(21)** 2014375247 **(22)** 29.12.2014  
**(54)** Device and method for regulating the concentration of a treatment chemical inside a liquid bearing system  
**(51)** Int. Cl.  
**C02F 1/00** ( 2006.01 )  
**C02F 103/02** ( 2006.01 )  
**(87)** WO2015/101604  
**(31)** 14150150.2 **(32)** 03.01.14 **(33)** EP  
**(43)** 09.07.2015  
**(44)** 17.01.2019  
**(72)** Seida, Frank; Flocken, Christian; Bierganns, Patric  
**(74)** Spruson & Ferguson

**(71)** Sony Corporation  
**(11)** AU-B-2013284703  
**(21)** 2013284703 **(22)** 24.06.2013  
**(54)** Decoding device and method, encoding device and method, and program  
**(51)** Int. Cl.  
**G10L 19/008** ( 2013.01 )  
**G10L 19/00** ( 2006.01 )  
**G10L 19/20** ( 2013.01 )  
**H03M 7/30** ( 2006.01 )  
**H04S 5/02** ( 2006.01 )  
**(87)** WO2014/007095  
**(31)** 2012-255463 **(32)** 21.11.12 **(33)** JP  
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**(43)** 09.01.2014  
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**(72)** Hatanaka, Mitsuyuki; Chinen, Toru  
**(74)** Griffith Hack

**(71)** Soochow University  
**(11)** AU-B-2014409423  
**(21)** 2014409423 **(22)** 08.12.2014  
**(54)** Radiation therapy system  
**(51)** Int. Cl.  
**A61N 5/01** ( 2006.01 )  
**(87)** WO2016/061877  
**(31)** 201410557823.4 **(32)** 20.10.14 **(33)** CN  
**(43)** 28.04.2016  
**(44)** 17.01.2019  
**(72)** Sun, Lining; Zhang, Fengfeng; Kuang, Shaolong  
**(74)** Shelston IP Pty Ltd.

**(71)** Southern Mills, Inc.  
**(11)** AU-B-2017258969  
**(21)** 2017258969 **(22)** 10.11.2017  
**(54)** FLAME RESISTANT FABRIC WITH ANISOTROPIC PROPERTIES  
**(51)** Int. Cl.  
**D03D 15/12** ( 2006.01 )  
**D06P 1/00** ( 2006.01 )  
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 (72) Stanhope, Michael T.; Dunn, Charles S.; Colatruglio, Matthew Lucius  
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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 (21) 2014245801

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(71) SPX Flow Technology Danmark A/S  
 (11) AU-B-2015294674  
 (21) 2015294674 (22) 26.05.2015  
 (54) Infusion plant  
 (51) Int. Cl.  
     **A23C 3/037** ( 2006.01 )  
     **A23L 3/16** ( 2006.01 )  
     **A23L 3/24** ( 2006.01 )  
 (87) WO2016/012026  
 (31) PA 2014 00410 (32) 25.07.14 (33) DK  
 (43) 28.01.2016  
 (44) 17.01.2019  
 (72) Thorsen, Knud; Riis, Claus; Kjaerulf, Gorm B.; Poulsen, Ole; Thorsen, Claus  
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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(71) SRI International  
 (11) AU-B-2014233662  
 (21) 2014233662 (22) 13.03.2014  
 (54) Hyperdexterous surgical system  
 (51) Int. Cl.  
     **A61B 34/30** ( 2016.01 )  
 (87) WO2014/151621  
 (31) 61/906,802 (32) 20.11.13 (33) US  
     61/908,888 26.11.13 US  
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 (72) Kilroy, Pablo Eduardo Garcia; Egan, Thomas D.; Koenig, Karen Shakespear  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Stellenbosch University  
 (11) AU-B-2015347008  
 (21) 2015347008 (22) 13.11.2015  
 (54) Cargo securing apparatus  
 (51) Int. Cl.  
     **B60P 7/08** ( 2006.01 )  
 (87) WO2016/075663  
 (31) 2014/08325 (32) 14.11.14 (33) ZA  
 (43) 19.05.2016  
 (44) 17.01.2019  
 (72) McNally, Leo David  
 (74) Spruson & Ferguson

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 (11) AU-B-2014227686  
 (21) 2014227686 (22) 14.03.2014  
 (54) Assembly for positioning a sterile surgical drape relative to optical position sensors  
 (51) Int. Cl.  
     **A61B 46/00** ( 2016.01 )

**A61B 46/10** ( 2016.01 )  
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 (31) 61/788,752 (32) 15.03.13 (33) US  
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 (72) Malackowski, Donald W.; Moctezuma de la Barrera, Jose Luis; Rohs, Helmut; Riedlinger, Norbert  
 (74) Davies Collison Cave Pty Ltd

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(71) Subsea 7 Limited  
 (11) AU-B-2014356180  
 (21) 2014356180 (22) 28.11.2014  
 (54) Method of and system for coating a field joint of a pipe  
 (51) Int. Cl.  
     **F16L 5/10** ( 2006.01 )  
     **F16L 13/02** ( 2006.01 )  
     **F16L 59/20** ( 2006.01 )  
 (87) WO2015/079249  
 (31) 1321034.9 (32) 28.11.13 (33) GB  
 (43) 04.06.2015  
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 (72) Hoffmann, Philippe Benoit Jacques; Gordon, Mike; Monfort-Moros, Nicolas; Popineau, Sylvain  
 (74) Allens Patent & Trade Mark Attorneys

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(71) Sumitomo Metal Mining Co., Ltd.  
 (11) AU-B-2015329325  
 (21) 2015329325 (22) 15.09.2015  
 (54) Method for smelting nickel oxide ore  
 (51) Int. Cl.  
     **C22B 23/02** ( 2006.01 )  
     **C21B 13/10** ( 2006.01 )  
     **C22B 1/24** ( 2006.01 )  
     **C22B 5/10** ( 2006.01 )  
     **C22C 33/04** ( 2006.01 )  
 (87) WO2016/056362  
 (31) 2014-205828 (32) 06.10.14 (33) JP  
 (43) 14.04.2016  
 (44) 17.01.2019  
 (72) Takahashi, Junichi; Inoue, Taku; Okada, Shuuji  
 (74) Davies Collison Cave Pty Ltd

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(71) Sumitomo Metal Mining Co., Ltd.  
 (11) AU-B-2016315207  
 (21) 2016315207 (22) 16.06.2016  
 (54) Scandium oxide manufacturing method  
 (51) Int. Cl.  
     **C22B 59/00** ( 2006.01 )  
     **C01F 17/00** ( 2006.01 )  
     **C22B 1/04** ( 2006.01 )  
     **C22B 3/08** ( 2006.01 )  
     **C22B 3/44** ( 2006.01 )  
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 (31) 2015-169281 (32) 28.08.15 (33) JP  
 (43) 09.03.2017  
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 (74) Davies Collison Cave Pty Ltd

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(71) Sumitomo Metal Mining Co., Ltd.  
 (11) AU-B-2016345951

(21) 2016345951 (22) 17.10.2016  
 (54) Method for producing seed crystal of cobalt powder  
 (51) Int. Cl.  
     **B22F 9/26** ( 2006.01 )  
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 (31) 2015-210258 (32) 26.10.15 (33) JP  
 (43) 04.05.2017  
 (44) 17.01.2019  
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 (74) Davies Collison Cave Pty Ltd

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(71) Sun Pharmaceutical Industries Australia Pty Limited  
 (11) AU-B-2017208033  
 (21) 2017208033 (22) 12.01.2017  
 (54) Modified plant  
 (51) Int. Cl.  
     **A01H 5/00** ( 2006.01 )  
     **C12N 15/82** ( 2006.01 )  
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 (31) 1600631.4 (32) 13.01.16 (33) GB  
 (43) 20.07.2017  
 (44) 17.01.2019  
 (72) Winzer, Thilo; Walker, Tracy Carol; Meade, Fergus; Larson, Tony Robert; Graham, Ian Alexander  
 (74) Phillips Ormonde Fitzpatrick

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(71) SunPower Corporation  
 (11) AU-B-2014370205  
 (21) 2014370205 (22) 15.12.2014  
 (54) Improved clamps for solar systems  
 (51) Int. Cl.  
     **H02S 20/00** ( 2014.01 )  
 (87) WO2015/100048  
 (31) 14/139,755 (32) 23.12.13 (33) US  
 (43) 02.07.2015  
 (44) 17.01.2019  
 (72) Braunstein, Ryan; Kinyon, Zachary; Carre, Guillaume; Matrat, David  
 (74) Spruson & Ferguson

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(71) Supakwik Water Heaters Pty. Ltd.  
 (11) AU-B-2014221238  
 (21) 2014221238 (22) 04.09.2014  
 (54) Water dispensing system  
 (51) Int. Cl.  
     **G05D 23/00** ( 2006.01 )  
     **A47J 31/58** ( 2006.01 )  
     **F24H 9/20** ( 2006.01 )  
     **H05B 1/02** ( 2006.01 )  
 (31) 2014902001 (32) 27.05.14 (33) AU  
 (43) 17.12.2015  
 (44) 17.01.2019  
 (72) ROUSSEAU, Michael Kevin  
 (74) Davies Collison Cave Pty Ltd

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(71) Swellfix B.V.  
 (11) AU-B-2015212880  
 (21) 2015212880 (22) 29.01.2015  
 (54) Flow control device  
 (51) Int. Cl.  
     **E21B 41/00** ( 2006.01 )

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**(31)** 61/945,401 **(32)** 27.02.14 **(33)** US  
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**(43)** 06.08.2015  
**(44)** 17.01.2019  
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 Fipke, Steven; Crow, Stephen Lee  
**(74)** FB Rice Pty Ltd

**(71)** Synaptive Medical (Barbados) Inc.  
**(11)** AU-B-2014231345  
**(21)** 2014231345 **(22)** 14.03.2014  
**(54)** Intelligent positioning system and meth-  
 ods therefore  
**(51)** Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**B25J 9/18** ( 2006.01 )  
**B25J 13/00** ( 2006.01 )  
**(87)** WO2014/139023  
**(31)** 61/801,143 **(32)** 15.03.13 **(33)** US  
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 Gallop, David  
**(74)** Dennemeyer & Associates

**(71)** Synergy Pharmaceuticals, Inc.  
**(11)** AU-B-2014331812  
**(21)** 2014331812 **(22)** 09.10.2014  
**(54)** Agonists of guanylate cyclase useful for  
 downregulation of pro-inflammatory cy-  
 tokines  
**(51)** Int. Cl.  
**C07K 7/08** ( 2006.01 )  
**A61K 38/10** ( 2006.01 )  
**C07K 14/435** ( 2006.01 )  
**H02J 4/00** ( 2006.01 )  
**(87)** WO2015/054500  
**(31)** 61/888,744 **(32)** 09.10.13 **(33)** US  
**(43)** 16.04.2015  
**(44)** 17.01.2019  
**(72)** Shailubhai, Kunwar  
**(74)** Spruson & Ferguson

**(71)** Synergy Pharmaceuticals Inc.  
**(11)** AU-B-2016216716  
**(21)** 2016216716 **(22)** 19.08.2016  
**(54)** Formulations Of Guanylate Cyclase C  
 Agonists And Methods Of Use  
**(51)** Int. Cl.  
**A61K 38/10** ( 2006.01 )  
**A61K 9/16** ( 2006.01 )  
**A61K 9/20** ( 2006.01 )  
**A61K 9/48** ( 2006.01 )

**A61K 38/16** ( 2006.01 )  
**A61P 3/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**(44)** 17.01.2019  
**(62)** 2011302006  
**(72)** Comiskey, Stephen; Feng, Rong; Foss,  
 John; Shailubhai, Kunwar  
**(74)** Spruson & Ferguson

**(71)** Synvina C.V.  
**(11)** AU-B-2015347429  
**(21)** 2015347429 **(22)** 10.11.2015  
**(54)** Process for purifying a crude com-  
 position of dialkyl ester of 2,5-furandi-  
 carboxylic acid  
**(51)** Int. Cl.  
**C07D 307/68** ( 2006.01 )  
**(87)** WO2016/076712  
**(31)** 2013766 **(32)** 10.11.14 **(33)** NL  
**(43)** 19.05.2016  
**(44)** 17.01.2019  
**(72)** McKay, Benjamin; Gruter, Gerardus Jo-  
 hannes Maria; Sijben, Johannes Maria  
 Franciscus  
**(74)** Spruson & Ferguson

**(71)** Taizhou Mabtech Pharmaceutical Co.  
 Ltd  
**(11)** AU-B-2016206156  
**(21)** 2016206156 **(22)** 04.01.2016  
**(54)** Method for preparing new type of re-  
 combinant anti-TNF-alpha chimeric  
 monoclonal antibody and use  
**(51)** Int. Cl.  
**C07K 16/24** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 17/06** ( 2006.01 )  
**A61P 19/02** ( 2006.01 )  
**A61P 19/08** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**C12N 5/10** ( 2006.01 )  
**C12N 15/13** ( 2006.01 )  
**C12N 15/85** ( 2006.01 )  
**(87)** WO2016/110227  
**(31)** 201510004710.6 **(32)** 07.01.15 **(33)** CN  
**(43)** 14.07.2016  
**(44)** 17.01.2019  
**(72)** Qian, Weizhu  
**(74)** Griffith Hack

**(71)** TAKRAF GmbH  
**(11)** AU-B-2017248526  
**(21)** 2017248526 **(22)** 20.10.2017  
**(54)** COMMUNICATING PLANT WITH A COM-  
 MINUTING MACHINE  
**(51)** Int. Cl.  
**B02C 4/28** ( 2006.01 )  
**B30B 15/00** ( 2006.01 )  
**(31)** 10 2016 221 663.5 **(32)** 04.11.16 **(33)** DE  
**(43)** 24.05.2018  
**(44)** 17.01.2019  
**(72)** Neufeldt, Patrick; Nowak, Steffen; Nitz-  
 schner, Martin  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Taris Biomedical LLC  
**(11)** AU-B-2014232801  
**(21)** 2014232801 **(22)** 17.03.2014  
**(54)** Drug delivery devices with drug-per-  
 meable component and methods  
**(51)** Int. Cl.  
**A61M 31/00** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61L 27/00** ( 2006.01 )  
**(87)** WO2014/145638  
**(31)** 61/799,733 **(32)** 15.03.13 **(33)** US  
**(43)** 18.09.2014  
**(44)** 17.01.2019  
**(72)** Lee, Heejin; Daniel, Karen; Sansone,  
 Matthew  
**(74)** Pizeys Patent and Trade Mark Attor-  
 neys Pty Ltd

**(71)** Techtronics Industries Company Limited  
**(11)** AU-B-2015299442  
**(21)** 2015299442 **(22)** 10.08.2015  
**(54)** Battery pouch, battery cell and method  
 of making a pouch or battery cell  
**(51)** Int. Cl.  
**H01M 2/12** ( 2006.01 )  
**(87)** WO2016/019924  
**(31)** 14108177.2 **(32)** 08.08.14 **(33)** HK  
**(43)** 11.02.2016  
**(44)** 17.01.2019  
**(72)** Fauteux, Denis Gaston; Woo, Wing  
 Keung  
**(74)** Griffith Hack

**(71)** Tedesco, F.  
**(11)** AU-B-2015222676  
**(21)** 2015222676 **(22)** 11.02.2015  
**(54)** An eye-dropper positioning device, a  
 method for delivering an eye-drop and  
 an eye examination device  
**(51)** Int. Cl.  
**A61F 9/00** ( 2006.01 )  
**A61M 35/00** ( 2006.01 )  
**(87)** WO2015/127492  
**(31)** 2014900659 **(32)** 28.02.14 **(33)** AU  
**(43)** 03.09.2015  
**(44)** 17.01.2019  
**(72)** Tedesco, Frank Anthony  
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**(51)** Int. Cl.  
**H04B 1/707** ( 2006.01 )  
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**A61K 6/027** ( 2006.01 )  
**A61K 6/08** ( 2006.01 )  
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**(21)** 2016333402 (22) 15.09.2016  
**(54)** Food concentrate  
**(51)** Int. Cl.  
**C09H 5/00** ( 2006.01 )

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**(54)** Toggling biometric authentication  
**(51)** Int. Cl.  
**G06F 21/32** ( 2013.01 )  
**G06K 9/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**C09D 5/14** ( 2006.01 )  
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**(54)** Apparatus and method for modulating sleep  
**(51)** Int. Cl.  
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**(51)** Int. Cl.  
**A61K 31/519** ( 2006.01 )  
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**A61P 17/00** ( 2006.01 )  
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**(11)** AU-B-2015239532  
**(21)** 2015239532 **(22)** 31.03.2015  
**(54)** A method and apparatus for pressing oilseed to extract oil therefrom  
**(51)** Int. Cl.  
**C11B 1/02** ( 2006.01 )  
**B01D 17/00** ( 2006.01 )  
**B29B 13/04** ( 2006.01 )  
**C11B 1/04** ( 2006.01 )  
**C11B 1/06** ( 2006.01 )  
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**(31)** 1405975.2 **(32)** 02.04.14 **(33)** GB  
**(43)** 08.10.2015  
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**(72)** Hewitt, Neil James; Novaes, Marcio Fernandes  
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**(51)** Int. Cl.  
**C02F 1/52** ( 2006.01 )  
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**(51)** Int. Cl.  
**F16B 12/10** ( 2006.01 )  
**F16B 5/00** ( 2006.01 )  
**A47B 47/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**C21D 8/10** ( 2006.01 )  
**C21D 9/14** ( 2006.01 )  
**C22C 38/04** ( 2006.01 )  
**(87)** WO2015/128282  
**(31)** 10 2014 102 452.4 **(32)** 25.02.14 **(33)** DE  
**(43)** 03.09.2015  
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**(72)** Schmidt, Tanja; Gercekoglu, Ferid  
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**(11)** AU-B-2014331298  
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**(51)** Int. Cl.  
**C23C 18/16** ( 2006.01 )  
**C23C 18/32** ( 2006.01 )  
**C23C 18/50** ( 2006.01 )  
**E21B 17/042** ( 2006.01 )  
**F16L 25/00** ( 2006.01 )  
**F16L 58/08** ( 2006.01 )  
**F16L 58/18** ( 2006.01 )  
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(51) Int. Cl.  
*C10M 171/00* ( 2006.01 )  
*C23C 28/00* ( 2006.01 )  
*E21B 17/042* ( 2006.01 )  
*F16L 57/00* ( 2006.01 )  
*F16L 58/08* ( 2006.01 )  
*C10N 10/02* ( 2006.01 )  
*C10N 10/04* ( 2006.01 )  
*C10N 10/12* ( 2006.01 )  
*C10N 10/16* ( 2006.01 )  
*C10N 40/34* ( 2006.01 )  
*C10N 50/08* ( 2006.01 )  
*C10N 70/00* ( 2006.01 )  
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 (54) Threaded tubular connection provided with a metallic coating on the threading and on the sealing surface

(51) Int. Cl.  
*C10M 171/00* ( 2006.01 )  
*C23C 28/00* ( 2006.01 )  
*E21B 17/042* ( 2006.01 )  
*F16L 57/00* ( 2006.01 )  
*F16L 58/08* ( 2006.01 )  
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(51) Int. Cl.  
*F16B 2/18* ( 2006.01 )

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(54) Devices and methods for three-dimensional tissue culturing

(51) Int. Cl.  
*C12M 3/00* ( 2006.01 )  
*C12M 1/34* ( 2006.01 )  
*C12N 5/07* ( 2010.01 )  
*C12N 11/00* ( 2006.01 )  
*C12Q 1/02* ( 2006.01 )  
*C40B 30/06* ( 2006.01 )

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*F41A 9/82* ( 2006.01 )  
*F42B 39/00* ( 2006.01 )  
*F42B 39/26* ( 2006.01 )

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 (72) Partanen, Seppo Sakari  
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 (21) 2013369439

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Numerical Index

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2013206165	Island Block & Paving Pty Ltd	2014236553	The Regents of The University of California; New York University; General Hospital Corporation
2013221800	CardinalCommerce Corporation	2014239883	Therabiome, LLC
2013237517	Veolia Water Solutions & Technologies Support	2014240238	Samsung Display Co., Ltd
2013245480	Visa International Service Association	2014241205	Autonomix Medical, Inc.
2013248138	Immunovia AB	2014243929	3 In 1 Dental PLLC
2013251749	International Stem Cell Corporation	2014245801	Carmichael, R.; Spitz, W.
2013273781	SAMSUNG ELECTRONICS CO., LTD.	2014247091	Boehringer Ingelheim International GmbH
2013280698	Seraxis, Inc.	2014248651	Wisconsin Alumni Research Foundation
2013284703	Sony Corporation	2014249224	Genzyme Corporation
2013289090	Google LLC	2014249243	ImaginAb, Inc.
2013291816	Illumina Cambridge Limited	2014251015	Smith & Nephew, Inc.
2013291936	DSM IP Assets B.V.	2014251099	The University of Kansas; University of Iowa Research Foundation
2013298450	Pachmann, U.; Pachmann, K.	2014253150	Celyad S.A.
2013302451	Critical Care Diagnostics, Inc.	2014253527	Covidien LP
2013305512	PerceptiMed, Inc.	2014258007	Smartfish AS
2013308113	The Governors of the University of Alberta	2014259498	Electrolux Appliances Aktiebolag
2013308770	Sangamo Therapeutics, Inc.	2014259499	Covidien LP
2013317700	Commonwealth Scientific and Industrial Research Organisation	2014259547	Covidien LP
2013327582	Western Digital Technologies, Inc.	2014259968	Cook Medical Technologies LLC
2013329022	Netflix, Inc.	2014264489	Creo Medical Limited
2013329096	Netflix, Inc.	2014265873	GlobelImmune, Inc.; The United States of America, as represented by The Secretary, Department of Health and Human Services
2013330509	Self-screen B.V.	2014267010	McGill Technology Limited
2013339063	National University Corporation Hokkaido University; Daiichi Sankyo Company, Limited	2014268286	General Electric Company
2013340841	F. Hoffmann-La Roche AG	2014268298	The Johns Hopkins University; MedImmune, LLC
2013351375	Ledaflow Technologies Ltd	2014270358	Nanovi Radiotherapy ApS; Danmarks Tekniske Universitet
2013353573	Enlivex Therapeutics Ltd	2014273842	Hageneder, W.
2013354355	Nestec S.A.	2014276851	Sofradim Production
2013362880	Chandranathan, V.; Pimanda, J.	2014277672	Caterpillar Inc.
2013369439	Cleveland Clinic Foundation; The University of Melbourne; Ventana Medical Systems, Inc.	2014277758	Hollister Incorporated
2013370522	Bayer Healthcare LLC	2014277944	Salpietra, J.
2013370548	AbbVie Inc.	2014280911	JC Bamford Excavators Limited
2013381008	Gage, R.	2014284257	Liu, K.
2013404747	Prysmian S.p.A.	2014285740	Medacta International SA
2013408315	Oerlikon Metco (US) Inc.	2014290034	USALCO, LLC
2013409580	Electrolux Appliances Aktiebolag	2014293008	University of Pittsburgh - of the Commonwealth System of Higher Education; Ebb Therapeutics, Inc.
2014200039	SAMSUNG ELECTRONICS CO., LTD.	2014293442	Nuvera Fuel Cells, LLC
2014200042	SAMSUNG ELECTRONICS CO., LTD.	2014295137	Sandoz AG
2014200492	Samsung Electronics Co., Ltd.	2014296940	Oculentis Holding B.V.
2014201083	Polydeck Screen Corporation	2014299014	National Oilwell Varco Denmark I/S
2014202703	Covidien LP	2014299447	Hanmi Pharm. Co., Ltd.
2014203445	Smart Sinks Pty Ltd	2014300581	Virbac
2014206186	Covidien LP	2014300888	DeSiTech Oy
2014208189	Covidien LP	2014305993	Avivid Water Technology, LLC
2014208198	The Boeing Company	2014306044	Johnson & Johnson Surgical Vision, Inc.
2014212646	Microsoft Technology Licensing, LLC	2014306417	Memorial Sloan-Kettering Cancer Center
2014213147	Seoul National University R & DB Foundation	2014306451	Duke University; University of North Carolina
2014221238	Supakwik Water Heaters Pty. Ltd.	2014308064	Electrolux Appliances Aktiebolag
2014225717	President and Fellows of Harvard College; The General Hospital Corporation	2014312018	The Coca-Cola Company
2014226091	Microsoft Technology Licensing, LLC	2014313763	Human Extensions Ltd.
2014227686	Stryker Corporation	2014314153	LifeScan Scotland Limited
2014228313	Heron Therapeutics, Inc.	2014314258	Electrolux Appliances Aktiebolag
2014228829	Amgen Inc.	2014314500	Electrolux Appliances Aktiebolag
2014229806	BAE SYSTEMS plc	2014314511	Electrolux Appliances Aktiebolag
2014230459	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	2014314518	Electrolux Appliances Aktiebolag
2014231345	Synaptive Medical (Barbados) Inc.	2014314519	Electrolux Appliances Aktiebolag
2014231689	Neovasc Tiara Inc.	2014314743	Telefield Medical Imaging Limited
2014232383	Epigen Biosciences, Inc.	2014317940	BASF SE
2014232801	Taris Biomedical LLC	2014318758	Raytheon Company
2014233662	SRI International	2014319100	Advantec Sensing AS
2014235051	pSiMedica Limited; pSivida US, Inc.		
2014236305	Translate Bio, Inc.; Ethris GmbH		

## Applications Accepted - Numerical Index cont'd

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2014320077	Cancer Research Technology Limited	2014390753	Prysmian S.p.A.
2014320131	BAE SYSTEMS plc	2014391109	Dispersol Technologies LLC
2014324837	Zoetis Services LLC	2014392785	Husqvarna AB
2014327792	Giesecke+Devrient Currency Technology GmbH	2014396046	Hangzhou Great Star Industrial Co., Ltd.; Hangzhou Great Star Tools Co., Ltd.
2014329454	Janssen Biotech, Inc.	2014397783	Lindsay Transportation Solutions, Inc.
2014329524	Boehringer Ingelheim Vetmedica, Inc.	2014398277	Ljubic Rubio, J.
2014330822	Kimberly-Clark Worldwide, Inc.	2014398345	Maruishi Pharmaceutical Co., Ltd.
2014331298	Vallourec Oil and Gas France	2014401951	Electrolux Appliances Aktiebolag
2014331812	Synergy Pharmaceuticals, Inc.	2014406068	Dow Global Technologies LLC; Rohm and Haas Company
2014331863	Alios BioPharma, Inc.	2014409009	Shijiazhuang Success Machinery Electrical Co., Ltd.
2014333838	Deflux Holdings Limited	2014409423	Soochow University
2014334495	Breville Pty Limited	2014415500	Huawei Technologies Co., Ltd.
2014334514	Proserv Offshore Pty Ltd	2015200237	Prysmian S.p.A.
2014336382	CMA Macchine Per Caffè S.r.l.	2015200381	The Boeing Company
2014338948	Koninklijke Philips N.V.	2015200433	Mair Designs LLC
2014339293	Liebherr-Components Biberach GmbH	2015200482	Aclara Meters LLC
2014340221	Accuro Technologies Inc.	2015200538	BIOSENSE WEBSTER (ISRAEL) LTD.
2014340318	Merck Patent GmbH	2015200660	BIOSENSE WEBSTER (ISRAEL) LTD.
2014342199	CommScope Technologies LLC; CommScope Connectivity UK Limited; CommScope Connectivity Belgium BVBA	2015200677	The Boeing Company
2014342284	Allegiance Corporation	2015200679	The Boeing Company
2014343449	Consort Medical plc	2015201171	IFP Energies nouvelles
2014343503	BicycleRD Limited	2015201391	Valsir S.p.A.
2014343727	Philip Morris Products S.A.	2015201587	The Raymond Corporation
2014344726	Vasconcelos, S.; Zhang, B.; Miklas, J.; Xiao, Y.; Radisic, M.; Thavandiran, N.; Zhao, Y.	2015201976	QIOPTIQ LIMITED
2014345040	Livedo Corporation	2015202807	Samsung Electronics Co., Ltd.
2014346483	The University of Kansas	2015203363	Andritz Frautech S.r.l.
2014347797	Crystal Lagoons (Curacao) B.V.	2015203594	Easy-Do Products Limited
2014348334	Biomedical Enterprises, Inc.	2015203713	Colas
2014349000	Cayman Chemical Company Incorporated	2015206075	Electrolux Appliances Aktiebolag
2014349172	Baker Hughes, a GE company, LLC	2015206364	Green Sun Holdings, LLC
2014350696	Tsinghua University	2015208143	BASF SE
2014351619	The University of Manchester	2015209243	Avent, Inc.
2014351621	The University Of Manchester	2015209371	Microsoft Technology Licensing, LLC
2014354829	Tetra Laval Holdings & Finance S.A.	2015209443	ExxonMobil Upstream Research Company
2014356061	Atlas Copco Airpower N.V.	2015209628	Neptune Systems, LLC
2014356075	Saipem S.p.A.	2015210892	LanzaTech New Zealand Limited
2014356180	Subsea 7 Limited	2015211429	Epiroc Rock Drills Aktiebolag
2014356749	Thales Management & Services Deutschland GmbH	2015212478	Kimberly-Clark Worldwide, Inc.
2014357342	FMC Corporation	2015212880	Swellfix B.V.
2014358766	Idorsia Pharmaceuticals Ltd	2015213324	Corn Products Development, Inc.
2014360724	Bedford Industries, Inc.	2015216581	Genie Enterprise Ltd
2014363158	The Secretary of State for Environment, Food and Rural Affairs; University Of Durham	2015217102	ERICO International Corporation
2014363701	TMT - Tapping Measuring Technology Sarl	2015217397	Merck Patent GmbH
2014365860	Liebherr-Components Biberach GmbH	2015218157	Bang & Clean GmbH
2014367056	GOJO Industries, Inc.	2015219119	Nextivity, Inc.
2014367284	Agency for Science, Technology and Research	2015222278	Vallourec Deutschland GmbH
2014367353	EnergyNest AS	2015222676	Tedesco, F.
2014368923	The Regents of the University of California	2015230021	Chua, B.
2014368957	CommScope Technologies LLC	2015230227	Andritz S.A.S.
2014369397	Aluk, Societe Anonyme	2015231341	Dow Global Technologies LLC
2014369830	Google LLC	2015231853	Rolling Razor, Inc.
2014370101	Victaulic Company	2015236186	CommScope Technologies LLC
2014370202	Boston Scientific Scimed, Inc.	2015236268	Fractyl Laboratories, Inc.
2014370205	SunPower Corporation	2015237367	Aker Solutions AS
2014372764	Nestec S.A.	2015238412	Assa Abloy Entrance Systems AB
2014374196	Avent, Inc.	2015239532	University of Ulster
2014374293	Ecolab USA Inc.	2015240220	Martin GmbH fur Umwelt- und Energietechnik
2014375127	Creo Medical Limited	2015243694	Netherlands Translational Research Center B.V.
2014375247	Solenis Technologies Cayman, L.P.	2015244008	CommScope Technologies LLC
2014375382	Philip Morris Products S.A.	2015245502	Casale SA
2014376173	Nalco Company	2015247413	Lockheed Martin Corporation
2014376994	Electrolux Appliances Aktiebolag	2015247649	Vizuri Health Sciences LLC
2014379485	ExxonMobil Upstream Research Company	2015247667	United States Mineral Products Company
2014381624	Graco Minnesota Inc.	2015248161	Rearden, LLC
2014383055	CommScope Technologies LLC	2015248936	Janssen Sciences Ireland UC
2014385276	Janssen Pharmaceutica NV	2015249328	University of Florida Research Foundation, Inc.
2014385774	Microsoft Technology Licensing, LLC	2015249745	Mars, Incorporated
		2015250347	Kimes, P.
		2015252256	Philip Morris Products S.A.

Applications Accepted - Numerical Index cont'd

2015254673	Ingell Technologies Holding B.V.	2015347429	Synvina C.V.
2015255668	Hypertherm, Inc.	2015349585	Innova Patent GmbH
2015256160	Microsoft Technology Licensing, LLC	2015349942	Itron, Inc.
2015256266	Emory University; The Board of Regents of the University of Texas System	2015359003	Rinat Neuroscience Corporation
2015257657	ABB Schweiz AG	2015359436	Hilti Aktiengesellschaft
2015257857	BASF SE	2015360509	ARP - IP LLC
2015258784	Atlas Copco Airpower, naamloze vennootschap	2015362621	The Johns Hopkins University
2015259420	Microsoft Technology Licensing, LLC	2015365455	Novartis AG
2015259484	Savant Systems, LLC	2015365699	Ipco 2012 Limited
2015259715	Baker Hughes Incorporated	2015365944	Gilead Sciences, Inc.
2015260991	F. Hoffmann-La Roche AG	2015366514	Akzo Nobel Chemicals International B.V.
2015261906	GEA Farm Technologies GmbH	2015369690	SMA Therapeutics Inc.
2015263777	Atlas Copco Airpower, naamloze vennootschap	2015373940	EchoStar Technologies L.L.C.
2015266295	S.P.C.M. SA	2015374539	OpenTV, Inc.
2015272115	TX Medic AB	2015380591	Halliburton Energy Services, Inc.
2015274889	The United States of America, as Represented by the Secretary, Department of Health and Human Services	2015382365	United Services Automobile Association (USAA)
2015276408	Eaton Intelligent Power Limited	2015386030	Hitachi Zosen Corporation
2015281749	RTJ Technologies Inc.	2015387838	Huawei Technologies Co., Ltd.
2015282901	Inflectis Bioscience	2015390112	Oren Technologies, LLC
2015286897	Novozymes A/S	2015390587	Dai Nippon Printing Co., Ltd.
2015287586	Qualcomm Incorporated	2015393386	Halliburton Energy Services, Inc.
2015287913	Lippert Components Inc.	2015398961	GEA Farm Technologies GmbH
2015288135	Garcia-Bengochea, J.	2015400545	Huawei Technologies Co., Ltd.
2015289491	Ethicon, Inc.	2015401229	Huawei Technologies Co., Ltd.
2015290517	LOTTE Fine Chemical Co., Ltd.	2015407701	Mitsubishi Electric Corporation
2015293967	BASF SE	2015411254	Sennics Co., Ltd.
2015294369	ConocoPhillips Company	2015411340	Colgate-Palmolive Company
2015294674	SPX Flow Technology Danmark A/S	2015411350	Total SA
2015296548	Firestone Industrial Products Company, LLC	2015412294	Mitsubishi Electric Corporation; Mitsubishi Electric Home Appliance Co., Ltd.
2015297372	National Institute of Advanced Industrial Science and Technology	2015417104	Colgate-Palmolive Company
2015298527	Haygain Ltd	2015418375	Trytec Co., Ltd.
2015299442	Techtronic Industries Company Limited	2015419147	Colgate-Palmolive Company
2015301423	Baker Hughes, a GE company, LLC	2016203056	VIGOURPLASTIC CO., LTD.
2015301972	Lubrizol Advanced Materials, Inc.	2016204513	Coloplast A/S
2015302410	Rheinisch-Westfälische Technische Hochschule (RWTH) Aachen	2016205657	Kyowa Hakko Kirin Co., Ltd.
2015303019	Batmark Limited	2016206156	Taizhou Mabtech Pharmaceutical Co. Ltd
2015303826	Polyagg Pty Ltd	2016206581	Single Buoy Moorings, Inc.
2015305638	Windgap Medical, Inc	2016206817	Nelson Irrigation Corporation
2015306506	NR Engineering Co., Ltd; NR Electric Co., Ltd; NR Electric Power Electronics Co., Ltd.	2016206897	Novelis Inc.
2015306878	Microsoft Technology Licensing, LLC	2016207983	Kingspan Holdings (IRL) Limited
2015308521	BASF SE	2016209319	Huawei Technologies Co., Ltd.
2015311825	Hyperfine Research, Inc.	2016209801	LG Electronics Inc.
2015316947	FMC Kongsberg Subsea AS	2016216716	Synergy Pharmaceuticals Inc.
2015316948	FMC Kongsberg Subsea AS	2016217105	Toyo Seikan Group Holdings, Ltd.
2015317712	The Johns Hopkins University	2016217852	DSM IP Assets B.V.
2015318192	Baker Hughes, a GE Company, LLC	2016222779	3M Innovative Properties Company
2015321533	The Chemours Company FC, LLC	2016225032	Research Frontiers Incorporated
2015321948	Qualcomm Incorporated	2016231239	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
2015324152	Qualcomm Incorporated	2016231618	WITRICITY CORPORATION
2015324345	Sensormatic Electronics LLC	2016235040	SITA Information Networking Computing USA, Inc.
2015328791	Limited liability company "NewChem Technology"	2016238069	Panasonic Intellectual Property Management Co., Ltd.
2015329325	Sumitomo Metal Mining Co., Ltd.	2016238278	Hendrickson USA, L.L.C.
2015331863	Quanta Associates, L.P.	2016238836	Dalrymple, D.
2015335896	Bright Energy Storage Technologies, LLP	2016240764	Toyo Seikan Group Holdings, Ltd.
2015337003	Qualcomm Incorporated	2016240877	Hoya Lens Thailand Ltd.
2015340750	F. Hoffmann-La Roche AG	2016241598	Kraft Foods R & D, Inc.
2015341007	Alfred Karcher GmbH & Co. KG	2016243416	Veritas US IP Holdings LLC
2015341033	Single Buoy Moorings Inc.	2016243514	Rosemount Inc.
2015341763	Xellia Pharmaceuticals ApS	2016244285	Smart Solutions Technologies, S.L.
2015343037	Voyager Therapeutics, Inc.	2016250354	Acceleron Pharma Inc.
2015343538	Medtronic Xomed, Inc.	2016250494	Save Innovations
2015345284	Nexans	2016250972	Guizhou Bailing Group Pharmaceutical Co., Ltd.
2015346655	Veritas Technologies LLC	2016251561	ExxonMobil Research and Engineering Company
2015347008	Stellenbosch University	2016251562	ExxonMobil Research and Engineering Company
2015347014	Tharos Ltd.	2016251827	Vallourec Oil and Gas France; Nippon Steel & Sumitomo Metal Corporation
2015347054	MasterCard International Incorporated	2016251832	Vallourec Oil And Gas France; Nippon Steel & Sumitomo Metal Corporation
2015347361	TX Medic AB	2016251882	Baker Hughes, a GE Company, LLC
		2016252607	Baker Hughes, a GE Company, LLC

## Applications Accepted - Numerical Index cont'd

2016253679	K-fee System GmbH	2016333402	Unilever PLC
2016254966	The Shepherd Color Company	2016333893	Cardiac Pacemakers, Inc.
2016256674	Holdip Pty Ltd	2016336130	CRRC Qiqihar Rolling Stock Co., Ltd.
2016256794	AirWatch LLC	2016338678	DJO, LLC
2016256810	Alder Biopharmaceuticals, Inc.	2016344549	Shell Internationale Research Maatschappij B.V.
2016256898	Rosemount Analytical Inc.	2016345497	Pajunk GmbH Medizintechnologie
2016258284	Pfizer Inc.	2016345951	Sumitomo Metal Mining Co., Ltd.
2016259446	GE Video Compression, LLC	2016348259	DexCom, Inc.
2016261760	Baker Hughes, A GE Company, LLC	2016349551	Borealis AG
2016261830	Dexcom, Inc.	2016350551	Kaskowicz, M.
2016262259	Samsung Electronics Co., Ltd.	2016350664	LG Electronics Inc.
2016262735	Nuvo Residential, LLC dba NUVOH2O	2016352781	British American Tobacco (Investments) Limited
2016262780	CEAG Notlichtsysteme GmbH	2016353128	Gates Corporation
2016263054	NDG Natural Development Group S.r.l.	2016364597	Daewoong Co., Ltd.
2016264709	Hellenes Subsea AS	2016366279	Yoshino Gypsum Co., Ltd.
2016265916	Dorel Juvenile Group, Inc.	2016367129	Intercontinental Great Brands LLC
2016266748	W. L. Gore & Associates, Inc.	2016375178	Safran Electronics & Defense; B-Temia Inc.
2016266964	Dyson Technology Limited	2016380156	Scott Technologies, Inc.
2016267872	Chong Kun Dang Pharmaceutical Corp.	2016380353	Robert Bosch GmbH
2016269431	Cour Pharmaceuticals Development Company	2016380382	Guangdong University of Technology
2016269522	Apple Inc.	2016381246	Colgate-Palmolive Company
2016269892	The Yokohama Rubber Co., Ltd.	2016382631	Motorola Solutions, Inc.
2016270549	CritiTech, Inc.	2016384525	LG Electronics Inc.
2016271856	Nagravision S.A.	2016385275	LG Electronics Inc.
2016271919	Boly Media Communications (Shenzhen) Co., Ltd.	2016385329	LG Electronics Inc.
2016273813	Isolynx, LLC	2016387302	Dyson Technology Limited
2016273830	AstraZeneca AB; Biowa, Inc.	2016392262	Qualcomm Incorporated
2016273885	BTG International Limited	2016392764	Ideal Sanitary Ware Co., Ltd.
2016273897	NANTOMICS, LLC	2016393538	Nisshin Steel Co., Ltd.
2016274504	D B Industries, LLC	2016414391	Huawei Technologies Co., Ltd.
2016274512	D B Industries, LLC	2017200195	BRIEN HOLDEN VISION INSTITUTE
2016276196	3M Innovative Properties Company	2017200321	Baxalta GmbH; Baxalta Incorporated
2016276797	MED-EL Elektromedizinische Geraete GmbH	2017200348	Anpac Bio-Medical Science Co., Ltd
2016277551	S.P.M. Instrument AB	2017200395	KCI Licensing, Inc.
2016278860	Waymo LLC	2017200473	Astellas Institute for Regenerative Medicine
2016279388	GlaxoSmithKline Intellectual Property Development Limited; Astex Therapeutics Limited	2017200478	Fisher & Paykel Healthcare Limited
2016282080	Mackay Sim, R.	2017200492	Wonderland Switzerland AG
2016282839	Ruggli Projects AG	2017200604	Aristocrat Technologies Australia Pty Limited
2016284237	Shanxi Zhendong Ante Biopharmaceutical Co., Ltd	2017200609	WQI Limited
2016284421	Amazon Technologies, Inc.	2017200643	MECS, INC.
2016285966	MED-EL Elektromedizinische Geraete GmbH	2017200686	Vita Nova Spa
2016286402	Nicoventures Holdings Limited	2017200736	SAMSUNG ELECTRONICS CO., LTD.
2016286537	GlaxoSmithKline Intellectual Property (No.2) Limited	2017200737	Microsoft Technology Licensing, LLC
2016286690	Terumo Kabushiki Kaisha	2017200769	Isolynx, LLC
2016288032	Terumo Kabushiki Kaisha	2017200838	24/7 Customer, Inc.
2016290011	GazTransport et Technigaz	2017200950	Ionis Pharmaceuticals, Inc.
2016291036	LG Electronics Inc.	2017200957	Kabushiki Kaisha Toshiba
2016294056	The Yokohama Rubber Co., Ltd.	2017200964	Apple Inc.
2016295009	LANXESS Deutschland GmbH	2017201015	SentreHEART, Inc.
2016297374	Samsung Electronics Co., Ltd.	2017201018	Oren Technologies, LLC
2016297395	Betta Pharmaceuticals Co., Ltd	2017201034	Gas Technology Institute
2016301808	LG Electronics Inc.	2017201265	Fermentalg
2016303433	Dow AgroSciences LLC	2017201293	Illinois Tool Works Inc.
2016304811	Headwaters Incorporated	2017201356	Faulstich, H.; Deutsches Krebsforschungszentrum
2016305391	CJ Cheiljedang Corporation	2017201370	Fresenius Medical Care Holdings, Inc
2016308701	Telefonaktiebolaget LM Ericsson (publ)	2017201410	Cryovac, Inc.
2016309108	Huawei Technologies Co., Ltd.	2017201425	The Trustees of the University of Pennsylvania
2016310965	LG Electronics Inc.	2017201508	Searete LLC
2016310966	LG Electronics Inc.	2017201568	Sharma, A.
2016311765	The University of Tokyo; Plants Laboratory Inc.	2017201569	ANTONY, B.
2016311804	Institute of Process Engineering, Chinese Academy of Sciences; Wanbao Mining Ltd.	2017201661	Sarcotein Diagnostics LLC
2016312493	Boston Scientific Scimed, Inc.	2017201724	Merial, Inc.; TOP INDUSTRIE S.A.S
2016312896	LANXESS Deutschland GmbH	2017201741	Rothenberger AG
2016315207	Sumitomo Metal Mining Co., Ltd.	2017201750	University of Southern California
2016316834	Papadopoulos, M.	2017201782	Ferrumax Pharmaceuticals, Inc.; The General Hospital Corporation
2016323825	Mustang Sampling LLC	2017201908	Cyrex Laboratories, LLC
2016327024	LG Electronics Inc.	2017201999	Avery Dennison Corporation
2016327918	Guangzhou Xaircraft Technology Co., Ltd.	2017202053	Imperial Innovations Limited
2016328271	Feline Environmental Enrichment Design Corporation	2017202081	Ocera Therapeutics, Inc.
2016331133	Nippon Steel & Sumitomo Metal Corporation	2017202159	Byers, T.; Angros, L.
		2017202285	Smart Medical Systems Ltd.

Applications Accepted - Numerical Index cont'd

2017202364	Genzyme Corporation	2017245152	Baylor University
2017202377	Church & Dwight Co., Inc.	2017245416	Sediver SA
2017202382	Johnson & Johnson Vision Care, Inc.	2017245430	Brain Sentinel, Inc
2017202417	The Ohio State University Research Foundation	2017245446	Itron Global SARL
2017202560	Samsung Electronics Co., Ltd.	2017245489	Lanxess Deutschland GmbH
2017202605	Johnson & Johnson Surgical Vision, Inc.	2017248467	Baker Hughes, a GE Company, LLC
2017202618	Guangdong Midea Kitchen Appliances Manufacturing Co., Ltd.; Midea Group Co., Ltd.	2017248526	TAKRAF GmbH
2017202672	Hanmi Science Co., Ltd.	2017254647	ServiceNow, Inc.
2017202812	Vålinge Innovation AB	2017254851	Toyota Jidosha Kabushiki Kaisha
2017202845	THE LUBRIZOL CORPORATION	2017255367	Ping An Technology (Shenzhen) Co., Ltd.
2017202927	ImmunoGen, Inc.	2017258916	BioDelivery Sciences International, Inc.
2017202997	NUCOR CORPORATION	2017258969	Southern Mills, Inc.
2017203156	Alere San Diego, Inc.	2017261186	Benjamin Moore & Co.
2017203186	JBT Steel Industries Inc.	2017263104	Venandi Oy
2017203367	LifeCell Corporation	2017265019	Covidien LP
2017203418	Wellesley Pharmaceuticals, LLC	2017265032	Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.
2017203529	Micro Motion, Inc.	2017265038	Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.
2017203616	Lifeline Scientific, Inc.	2017265062	Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.
2017203690	Dropbox, Inc.	2017268565	Mitsubishi Heavy Industries Thermal Systems, Ltd.
2017203763	RAKMAN INTERNATIONAL PTY LTD	2017268576	Mitsubishi Heavy Industries Thermal Systems, Ltd.
2017203900	Apple Inc.	2017268616	Toyota Jidosha Kabushiki Kaisha
2017203907	Fuji Xerox Co., Ltd.	2017272236	Facebook, Inc.
2017204295	Italiano, J.	2017272313	KYOCERA Document Solutions Inc.
2017204356	The Coca-Cola Company	20172726291	JETYD Corporation
2017204486	Alkermes Pharma Ireland Limited	20172726347	ETHICON ENDO-SURGERY, INC.
2017204576	Amcol International Corporation	2017278032	Uber Technologies, Inc.
2017204800	Covidien LP	2017279664	Minelab Electronics Pty Limited
2017204806	General Electric Company	2017279667	Accenture Global Solutions Limited
2017206185	Regeneron Pharmaceuticals, Inc.	2017305004	Novelis Inc.
2017208033	Sun Pharmaceutical Industries Australia Pty Limited	2017310339	API Labs Inc.
2017208303	Epiroc Rock Drills Aktiefbolag	2017372883	Kinetic Nrg Technologies Pty Ltd
2017210492	Robert Bosch GmbH	2018200116	Angros, L.
2017210496	Fuji Xerox Co., Ltd.	2018200190	JVC Kenwood Corporation
2017210500	Medical Enterprises Distribution, LLC	2018200918	Telefonaktiebolaget LM Ericsson (publ)
2017210531	Serola Biomechanics, Inc.	2018200948	Arla Foods amba
2017210547	Massachusetts Institute of Technology; King Fahd University of Petroleum & Minerals	2018201234	Martin GmbH fur Umwelt- und Energietechnik
2017210588	Smith & Nephew Plc	2018201310	JLG Industries, Inc.
2017210669	Regeneron Pharmaceuticals, Inc.	2018201344	Samsung Electronics Co., Ltd.
2017210940	S. C. Johnson & Son, Inc.	2018201409	Infineum International Limited
2017213444	Grundfos Holding A/S	2018201436	Pharnext
2017213474	LG Electronics Inc.	2018201572	Orthohelix Surgical Designs, Inc.
2017213488	Smarttruck Systems, LLC	2018201964	ULTRADENT PRODUCTS, INC.
2017213572	Samsung Electronics Co., Ltd.	2018202106	Infineum International Limited
2017216525	Terumo Kabushiki Kaisha	2018202653	Gas Technologies LLC
2017216529	Joy Global Surface Mining Inc	2018202899	Silicon Controls Pty Ltd
2017219009	Covidien LP	2018203118	Compagnie Industrielle de la Matiere Vegetale - CIMV
2017219151	Monsanto Technology LLC	2018203250	Heraeus Medical GmbH
2017221842	Envirostream Solutions Pty Ltd	2018203302	Borkholder, C.
2017221901	Envirostream Solutions Pty Ltd	2018203617	Anvil International, LLC
2017225017	Fisher & Paykel Appliances Limited	2018204192	Covidien AG
2017225059	Nevro Corporation	2018241134	Kachirski, B.
2017225060	The Regents Of The University Of California; University of Vienna; Charpentier, E.	2018256611	Macnaught Pty Ltd
2017225146	Astellas Institute for Regenerative Medicine	2018260948	Apple Inc.
2017226510	Sichuan Kelun-Biotech Biopharmaceutical Co., Ltd.		
2017228570	Titan Wood Limited		
2017228717	Dow AgroSciences LLC		
2017228878	Westinghouse Air Brake Technologies Corporation		
2017231733	Accenture Global Solutions Limited		
2017232180	Mueller International, LLC		
2017233756	MIPS AB		
2017235993	Accenture Global Solutions Limited		
2017236008	Canon Kabushiki Kaisha		
2017236036	Tung, W.C.; Meierhofer, J.		
2017239478	Accenture Global Solutions Limited		
2017239524	AlderBio Holdings LLC; The University of Iowa Research Foundation		
2017239614	NZ Tube Mills Ltd		
2017239619	Leomo, Inc.		
2017239856	The Yokohama Rubber Co., Ltd.		

IPC Index

<b><u>A01G 17 /-</u></b>	<b><u>A01N 43 /-</u></b>	<b><u>A23D 7 /-</u></b>	<b><u>A24B 13 /-</u></b>	<b><u>A46D 1 /-</u></b>	2016387302
2017239614	2014357342	2015347014	2014343727	2015417104	<b><u>A61B 10 /-</u></b>
<b><u>A01G 9 /-</u></b>	2015257857	<b><u>A23D 9 /-</u></b>	<b><u>A24B 15 /-</u></b>	<b><u>A47B 47 /-</u></b>	2014320077
2016311765	2017228717	2015347014	2014343727	2017202812	<b><u>A61B 17 /-</u></b>
2017239614	2017245489	<b><u>A23K 10 /-</u></b>	2016352781	<b><u>A47C 1 /-</u></b>	2014202703
<b><u>A01H 1 /-</u></b>	<b><u>A01N 47 /-</u></b>	<b><u>A23K 20 /-</u></b>	<b><u>A24B 3 /-</u></b>	2018241134	2014206186
2017310339	2017245489	2015249745	2014343727	<b><u>A47F 5 /-</u></b>	2014208189
<b><u>A01H 5 /-</u></b>	<b><u>A01N 57 /-</u></b>	2016305391	2016352781	2016276196	2014251015
2014230459	2017219151	2015213324	<b><u>A24D 1 /-</u></b>	<b><u>A47G 1 /-</u></b>	2014259499
2017208033	<b><u>A01N 59 /-</u></b>	2016217852	2014375382	2016276196	2014259547
2017310339	2016263054	2016305391	<b><u>A24F 1 /-</u></b>	<b><u>A47G 29 /-</u></b>	2014259968
<b><u>A01J 25 /-</u></b>	2017245489	<b><u>A23K 50 /-</u></b>	2014375382	2016276196	2014313763
2014354829	<b><u>A01N 63 /-</u></b>	2015249745	<b><u>A24F 47 /-</u></b>	<b><u>A47J 27 /-</u></b>	2014348334
<b><u>A01J 5 /-</u></b>	2014236340	2016217852	2014375382	2014376994	2014370202
2015261906	2015249328	<b><u>A23L 19 /-</u></b>	2015252256	<b><u>A47J 31 /-</u></b>	2015288135
2015398961	<b><u>A01N 65 /-</u></b>	2018200948	2015303019	2014221238	2016266748
<b><u>A01K 5 /-</u></b>	2016263054	<b><u>A23L 2 /-</u></b>	2016286402	2014334495	2016312493
2015298527	<b><u>A01P 13 /-</u></b>	2014236553	2016352781	2014336382	2017200395
2016328271	2017219151	2017204356	<b><u>A41D 13 /-</u></b>	2014338948	2017201015
<b><u>A01K 67 /-</u></b>	<b><u>A01P 21 /-</u></b>	2018200948	2016244285	2014372764	2017204800
2017200473	2015257857	<b><u>A23L 21 /-</u></b>	<b><u>A42B 3 /-</u></b>	<b><u>A47K 10 /-</u></b>	2017210500
<b><u>A01K 83 /-</u></b>	<b><u>A01P 3 /-</u></b>	<b><u>A23L 23 /-</u></b>	2017233756	2016276196	2017219009
2017236036	2015257857	2016333402	<b><u>A45D 20 /-</u></b>	<b><u>A47K 3 /-</u></b>	2017265019
<b><u>A01M 1 /-</u></b>	2017245489	2017204356	2016266964	2016392764	2017276347
2017210940	<b><u>A01P 7 /-</u></b>	<b><u>A23L 25 /-</u></b>	<b><u>A45F 3 /-</u></b>	<b><u>A47L 11 /-</u></b>	2018201572
<b><u>A01N 1 /-</u></b>	2015257857	2015250347	2016375178	2014392785	2018203250
2017203616	<b><u>A21D 10 /-</u></b>	<b><u>A23L 27 /-</u></b>	<b><u>A46B 11 /-</u></b>	<b><u>A47L 15 /-</u></b>	2018204192
<b><u>A01N 25 /-</u></b>	2015286897	2015250347	2015203594	2014374293	<b><u>A61B 18 /-</u></b>
2015257857	<b><u>A21D 13 /-</u></b>	2017204356	2015419147	2016301808	2014241205
2016263054	2015286897	<b><u>A23L 29 /-</u></b>	<b><u>A46B 15 /-</u></b>	2016385275	2014253527
<b><u>A01N 31 /-</u></b>	<b><u>A21D 8 /-</u></b>	2015250347	2015419147	2016385329	2014264489
2017245489	2015286897	2016333402	2016381246	<b><u>A47L 17 /-</u></b>	2014375127
<b><u>A01N 33 /-</u></b>	<b><u>A23C 19 /-</u></b>	2018200948	<b><u>A46B 3 /-</u></b>	2016312493	2017219009
2017228717	2014354829	<b><u>A23L 3 /-</u></b>	2015419147	2017219009	<b><u>A61B 3 /-</u></b>
2017245489	<b><u>A23C 3 /-</u></b>	2015294674	<b><u>A46B 5 /-</u></b>	2016392764	2014306044
<b><u>A01N 37 /-</u></b>	2015216581	2017201724	2015203594	<b><u>A47L 15 /-</u></b>	<b><u>A61B 34 /-</u></b>
2014306451	2015294674	<b><u>A23L 5 /-</u></b>	2015419147	2014374293	2014233662
2015257857	<b><u>A23C 9 /-</u></b>	2014354829	<b><u>A46B 7 /-</u></b>	2016301808	<b><u>A61B 46 /-</u></b>
2017219151	2018200948	2015216581	2015411340	2016385275	2014227686
<b><u>A01N 39 /-</u></b>	<b><u>A23P 20 /-</u></b>	2015249745	2016381246	2016385329	<b><u>A61B 5 /-</u></b>
2017219151	2015249745	2015249745	<b><u>A46B 9 /-</u></b>	2015203594	2014231345
			2015411340	<b><u>A47L 9 /-</u></b>	2014241205
				2016310965	2014340221
				2016310966	2016244285
				2016327024	2016348259
				2016387302	2017239619
					2017245430
					<b><u>A61B 8 /-</u></b>
					2014314743
					2014340221
					<b><u>A61C 17 /-</u></b>

Applications Accepted - IPC Index cont'd

2016381246	2015282901	2016258284	2017258916	2014232801	<b>A61P 27 /-</b>
<b>A61C 3 /-</b>	2015347361	2016273830	<b>A61L 15 /-</b>	<b>A61M 35 /-</b>	2014235051
2014245801	2015362621	2017201425	2015209243	2015222676	2015362621
<b>A61C 8 /-</b>	2015365455	2017201724	<b>A61L 2 /-</b>	<b>A61M 39 /-</b>	2017201568
2014245801	2015365944	2017202364	2016316834	2014277758	2017225146
<b>A61F 13 /-</b>	2015369690	2017202927	<b>A61L 27 /-</b>	2014374196	<b>A61P 29 /-</b>
2014330822	2016205657	2017206185	2014232801	2016204513	2014225717
2014345040	2016217852	2017226510	2017203367	2016345497	2015365944
2015209243	2016250972	2017239524	<b>A61K 45 /-</b>	<b>A61M 5 /-</b>	2016206156
2015212478	2016267872	2014236340	2017219009	2014340221	<b>A61P 3 /-</b>
2016282839	2016286537	2014300581	<b>A61L 29 /-</b>	2014343449	2014236553
2017200395	2016297395	2015343037	2017219009	2015305638	2014239883
<b>A61F 2 /-</b>	2017201568	2017200473	<b>A61L 31 /-</b>	2016286690	2014247091
2014231689	2017201750	<b>A61K 47 /-</b>	2015289491	2016288032	2014385276
2014251015	2017202081	2014228313	2016286690	2016345497	2015282901
2014276851	2017203418	2014235051	2016288032	<b>A61N 1 /-</b>	2015365944
2014285740	2017204356	2014239883	<b>A61L 9 /-</b>	2014241205	2016216716
2014296940	2017204486	2014300581	2017210940	2016244285	2017202672
2016204513	2017239524	2014300888	<b>A61M 1 /-</b>	2016276797	<b>A61P 31 /-</b>
2017202285	2017310339	2014324837	2015209243	2016285966	2013339063
2018203250	2018201436	2015254673	2017200395	2016333893	2015248936
<b>A61F 5 /-</b>	<b>A61K 33 /-</b>	2015341763	2017210588	2017225059	2015341763
2015206364	2014300581	2017216525	<b>A61M 11 /-</b>	<b>A61N 5 /-</b>	<b>A61P 35 /-</b>
2016338678	2017245152	<b>A61K 48 /-</b>	2014375382	2014409423	2013370548
2017210531	<b>A61K 35 /-</b>	2015343037	2015303019	2016381246	2014225717
<b>A61F 7 /-</b>	2013339063	2017201425	<b>A61M 13 /-</b>	<b>A61P 1 /-</b>	2014346483
2014241205	2013353573	2017239524	2014375382	2015365944	2014367284
<b>A61F 9 /-</b>	2013362880	<b>A61K 49 /-</b>	2015303019	2016273885	2015217397
2015222676	2014225717	2014249243	<b>A61M 15 /-</b>	2017202081	2015243694
2017202605	2014258007	2014270358	2014375382	2017202081	2015282901
<b>A61H 3 /-</b>	2017201782	2015302410	<b>A61M 16 /-</b>	2017239524	2015365944
2015209371	2017225146	2016256810	2017200478	<b>A61P 11 /-</b>	2016216716
<b>A61K 31 /-</b>	<b>A61K 36 /-</b>	2014249243	<b>A61M 17 /-</b>	2015369690	2016250972
2013362880	2014230459	2016256810	2014293008	2016273830	2016256810
2014228313	2017201569	<b>A61K 51 /-</b>	<b>A61M 19 /-</b>	2017239524	2016270549
2014232383	<b>A61K 38 /-</b>	20142429243	2014367284	<b>A61P 13 /-</b>	2016286537
2014236305	2013362880	2016256810	2015365944	2017201782	2016297395
2014236553	2013370522	<b>A61K 6 /-</b>	2016273885	2017226510	2017201356
2014247091	2014235051	2018201964	2017202081	<b>A61P 37 /-</b>	2017201782
2014295137	2014300581	<b>A61K 8 /-</b>	2017202605	2013353573	2017226510
2014299447	2014331812	2014243929	2017210588	<b>A61P 43 /-</b>	20162250972
2014300581	2015341763	<b>A61K 9 /-</b>	<b>A61M 21 /-</b>	2017201750	2016250972
2014306451	2016216716	2014228313	2014253150	<b>A61P 19 /-</b>	2016256810
2014324837	2016250354	2014232801	2015200538	2014367284	2016270549
2014331863	2016273885	2014235051	2015200660	2016273830	2016286537
2014340318	2017200321	2014239883	2015236268	<b>A61P 17 /-</b>	2016297395
2014346483	2017200473	2014295137	2016204513	2014299447	2017201356
2014358766	2017202672	2014299447	2016266748	2014300581	2017201782
2014367284	2017216525	2014300888	2017219009	2017203418	2017226510
2014385276	2017239524	2014324837	<b>A61M 25 /-</b>	<b>A61P 17 /-</b>	<b>A61P 37 /-</b>
2015217397	2017239524	2015247649	2014293008	2014367284	2013353573
2015243694	2018201436	2015341763	<b>A61M 27 /-</b>	2016206156	<b>A61P 43 /-</b>
2015247649	<b>A61K 39 /-</b>	2015362621	2017200395	2017201750	2017201356
2015248936	2013370548	2016216716	<b>A61M 31 /-</b>	<b>A61P 19 /-</b>	<b>A61P 7 /-</b>
2015256266	2014213147	2016269431	2018201436	2014358766	2015347361
2015272115	2014236340	2016270549		2015282901	2016250354
	2014249224	2017200321		2015343037	2017245152
	2014249243	2017204486		2016205657	<b>A61P 9 /-</b>
	2014251099	2017204486		2017204486	2014247091
	2014265873	2017216525		2017310339	2014300581
	2014268298			2018201436	2015272115
	2014329524				2015365944
	2015359003				2017204356
	2016206156				
	2016256810				



Applications Accepted - IPC Index cont'd

<b><u>A61Q 11 /-</u></b>	<b><u>B01D 69 /-</u></b>	2015317712	<b><u>B23K 10 /-</u></b>	2015239532	<b><u>B60G 11 /-</u></b>
2018201964	2014351619	<b><u>B04B 1 /-</u></b>	2015255668	<b><u>B29C 45 /-</u></b>	2016238278
<b><u>A62B 18 /-</u></b>	<b><u>B01D 71 /-</u></b>	2015203363	<b><u>B23K 26 /-</u></b>	2014267010	<b><u>B60G 13 /-</u></b>
2016380156	2014351619	2015230227	2016393538	2015390587	2016350551
<b><u>A62B 35 /-</u></b>	<b><u>B01F 3 /-</u></b>	<b><u>B04B 7 /-</u></b>	<b><u>B23K 9 /-</u></b>	<b><u>B29C 47 /-</u></b>	<b><u>B60G 17 /-</u></b>
2016274504	2014391109	2015203363	2015255668	2016240764	2016238278
2016274512	2015201171	<b><u>B05B 1 /-</u></b>	<b><u>B23P 17 /-</u></b>	<b><u>B29C 53 /-</u></b>	<b><u>B60G 3 /-</u></b>
<b><u>A62B 9 /-</u></b>	<b><u>B01F 7 /-</u></b>	2013408315	2018203617	2015200679	2015201587
2016380156	2014391109	2016206817	<b><u>B24B 7 /-</u></b>	<b><u>B29C 63 /-</u></b>	<b><u>B60H 3 /-</u></b>
<b><u>A62C 35 /-</u></b>	<b><u>B01J 16 /-</u></b>	<b><u>B05B 12 /-</u></b>	2014392785	2014356075	2017210940
2018203617	2017228570	2015341007	<b><u>B25B 27 /-</u></b>	2015200679	<b><u>B60K 25 /-</u></b>
<b><u>A63B 31 /-</u></b>	<b><u>B01J 19 /-</u></b>	<b><u>B05B 13 /-</u></b>	2017201741	<b><u>B29C 65 /-</u></b>	<b><u>B60K 25 /-</u></b>
2013381008	2015201171	2014356075	<b><u>B25B 7 /-</u></b>	2015200381	2016350551
<b><u>A63F 13 /-</u></b>	2016270549	<b><u>B05B 15 /-</u></b>	2014396046	2016241598	<b><u>B60K 6 /-</u></b>
2017200604	2017228570	2016206817	<b><u>B25C 1 /-</u></b>	<b><u>B29C 73 /-</u></b>	2017254851
<b><u>B01D 15 /-</u></b>	<b><u>B01J 2 /-</u></b>	<b><u>B05B 3 /-</u></b>	2015200381	2015200381	<b><u>B60N 2 /-</u></b>
2015340750	2016270549	2016206817	<b><u>B29D 22 /-</u></b>	2014312018	2014280911
2016364597	<b><u>B01J 20 /-</u></b>	<b><u>B05B 5 /-</u></b>	<b><u>B25F 5 /-</u></b>	<b><u>B29L 31 /-</u></b>	<b><u>B60P 7 /-</u></b>
<b><u>B01D 17 /-</u></b>	2017201370	2013408315	2016387302	2015200381	2015347008
2014356061	<b><u>B01J 3 /-</u></b>	<b><u>B05B 7 /-</u></b>	<b><u>B25J 11 /-</u></b>	<b><u>B29L 9 /-</u></b>	<b><u>B60R 1 /-</u></b>
2015239532	2014284257	2014367056	2016291036	2016240764	2016278860
<b><u>B01D 21 /-</u></b>	2016270549	<b><u>B05C 17 /-</u></b>	<b><u>B25J 13 /-</u></b>	2016240764	2017213488
2017221842	<b><u>B01J 31 /-</u></b>	2015203594	2014231345	<b><u>B30B 15 /-</u></b>	<b><u>B60T 15 /-</u></b>
<b><u>B01D 24 /-</u></b>	2017202053	<b><u>B07B 1 /-</u></b>	<b><u>B25J 19 /-</u></b>	2017248526	2017228878
2015386030	<b><u>B01J 39 /-</u></b>	2014201083	2016375178	<b><u>B32B 27 /-</u></b>	<b><u>B60T 17 /-</u></b>
<b><u>B01D 29 /-</u></b>	2016295009	<b><u>B08B 7 /-</u></b>	<b><u>B25J 9 /-</u></b>	2015200679	2017228878
2015386030	<b><u>B01J 4 /-</u></b>	2015218157	2014231345	2016240764	<b><u>B60T 8 /-</u></b>
<b><u>B01D 46 /-</u></b>	2016270549	<b><u>B09B 3 /-</u></b>	2016291036	2017201410	2015287913
2016270549	<b><u>B01J 45 /-</u></b>	2015266295	2016375178	<b><u>B32B 37 /-</u></b>	<b><u>B60W 10 /-</u></b>
<b><u>B01D 53 /-</u></b>	2016295009	<b><u>B21B 1 /-</u></b>	<b><u>B26B 21 /-</u></b>	2014368923	2017268616
2016251561	<b><u>B01J 47 /-</u></b>	2017202997	2015231853	<b><u>B32B 38 /-</u></b>	<b><u>B61B 1 /-</u></b>
2017200643	2016295009	<b><u>B21D 41 /-</u></b>	<b><u>B26D 7 /-</u></b>	2015200679	2015349585
<b><u>B01D 61 /-</u></b>	<b><u>B01L 3 /-</u></b>	2017201741	2016303433	<b><u>B32B 5 /-</u></b>	2015349585
2014351619	2016256898	<b><u>B22D 11 /-</u></b>	<b><u>B27G 19 /-</u></b>	2016240764	<b><u>B61B 12 /-</u></b>
<b><u>B01D 63 /-</u></b>	<b><u>B02C 25 /-</u></b>	2017202997	2017210492	<b><u>B60B 33 /-</u></b>	2015349585
2017213474	2015257657	<b><u>B22F 9 /-</u></b>	<b><u>B27G 21 /-</u></b>	2015201587	<b><u>B61B 13 /-</u></b>
<b><u>B01D 65 /-</u></b>	<b><u>B02C 4 /-</u></b>	2016345951	2017210492	<b><u>B60C 11 /-</u></b>	2016238836
2013237517	2015257657	<b><u>B23B 37 /-</u></b>	<b><u>B28B 1 /-</u></b>	2017239856	<b><u>B61D 17 /-</u></b>
<b><u>B01D 67 /-</u></b>	2017248526	2015200679	2015293967	<b><u>B60D 1 /-</u></b>	2016336130
2017210547	<b><u>B03C 1 /-</u></b>	2015200679	<b><u>B29B 13 /-</u></b>	2018203302	<b><u>B61D 3 /-</u></b>
					2015390112

Applications Accepted - IPC Index cont'd

<b><u>B61D 7 /-</u></b>	<b><u>B65B 51 /-</u></b>	<b><u>B65G 69 /-</u></b>	<b><u>C02F 101 /-</u></b>	2016279388	<b><u>C07D 241 /-</u></b>
2016336130	2016241598	2014268286	2016295009	<b><u>C07C 229 /-</u></b>	2015256266
<b><u>B61F 1 /-</u></b>	<b><u>B65B 61 /-</u></b>	<b><u>B66B 3 /-</u></b>	<b><u>C02F 103 /-</u></b>	2017202081	2016267872
2015390112	2016241598	2018201310	2014347797	<b><u>C07C 235 /-</u></b>	<b><u>C07D 249 /-</u></b>
<b><u>B61H 13 /-</u></b>	<b><u>B65B 9 /-</u></b>	<b><u>B66B 9 /-</u></b>	2014375247	2014346483	2016279388
2017228878	2016241598	2018201310	<b><u>C02F 3 /-</u></b>	<b><u>C07C 259 /-</u></b>	<b><u>C07D 261 /-</u></b>
<b><u>B61L 19 /-</u></b>	<b><u>B65D 25 /-</u></b>	<b><u>B66C 1 /-</u></b>	2013237517	2014306451	2014232383
2014356749	2015390587	2016282080	<b><u>C02F 5 /-</u></b>	<b><u>C07C 281 /-</u></b>	2015365455
<b><u>B61L 21 /-</u></b>	<b><u>B65D 47 /-</u></b>	<b><u>B66F 11 /-</u></b>	2016262735	2015282901	<b><u>C07D 275 /-</u></b>
2014356749	2014267010	2018201310	<b><u>C02F 9 /-</u></b>	<b><u>C07C 29 /-</u></b>	2014385276
<b><u>B61L 3 /-</u></b>	<b><u>B65D 5 /-</u></b>	<b><u>C01B 11 /-</u></b>	2014347797	2018202653	<b><u>C07D 277 /-</u></b>
2017204806	2016203056	2015266295	<b><u>C04B 14 /-</u></b>	<b><u>C07C 31 /-</u></b>	2015411254
	2017204295	<b><u>C01B 17 /-</u></b>	2013206165	2018202653	<b><u>C07D 295 /-</u></b>
<b><u>B62B 7 /-</u></b>	<b><u>B65D 63 /-</u></b>	2017200643	2016366279	<b><u>C07C 317 /-</u></b>	2015282901
2017200492	2017239614	2017201034	<b><u>C04B 18 /-</u></b>	2015282901	<b><u>C07D 303 /-</u></b>
<b><u>B62D 17 /-</u></b>	<b><u>B65D 65 /-</u></b>	<b><u>C01B 3 /-</u></b>	2016304811	<b><u>C07C 4 /-</u></b>	2015256266
2015201587	2016240764	2015245502	<b><u>C04B 20 /-</u></b>	2016251561	<b><u>C07D 307 /-</u></b>
<b><u>B62D 35 /-</u></b>	<b><u>B65D 75 /-</u></b>	<b><u>C01C 1 /-</u></b>	2016304811	<b><u>C07C 41 /-</u></b>	2015347429
2017213488	2016241598	2017201034	<b><u>C04B 22 /-</u></b>	2014349000	<b><u>C07D 401 /-</u></b>
<b><u>B63B 17 /-</u></b>	2016367129	<b><u>C01F 17 /-</u></b>	2016304811	<b><u>C07C 50 /-</u></b>	2014340318
2015200433	2017201410	2016315207	<b><u>C04B 24 /-</u></b>	2015256266	2014357342
<b><u>B63B 21 /-</u></b>	<b><u>B65D 77 /-</u></b>	<b><u>C01F 7 /-</u></b>	2015303826	<b><u>C07C 51 /-</u></b>	2015217397
2015294369	2014343503	2014376173	2016366279	2014349000	2015369690
2015341033	2015390587	2015328791	<b><u>C04B 28 /-</u></b>	<b><u>C07D 403 /-</u></b>	2016297395
<b><u>B63B 22 /-</u></b>	<b><u>B65D 81 /-</u></b>	<b><u>C01G 15 /-</u></b>	2016366279	<b><u>C07C 57 /-</u></b>	2014340318
2016206581	2014267010	2016254966	<b><u>C04B 35 /-</u></b>	2017202081	2014357342
<b><u>B63B 3 /-</u></b>	2014375382	<b><u>C01G 3 /-</u></b>	2015293967	<b><u>C07C 59 /-</u></b>	2014358766
2015200433	<b><u>B65D 85 /-</u></b>	2016254966	<b><u>C04B 41 /-</u></b>	2014349000	2015369690
2015341033	2014267010	<b><u>C01G 45 /-</u></b>	2016366279	<b><u>C07D 207 /-</u></b>	2016279388
<b><u>B63B 35 /-</u></b>	2016240764	2015297372	<b><u>C04B 7 /-</u></b>	2014346483	2014357342
2015341033	2016241598	<b><u>C01G 49 /-</u></b>	2015303826	2014357342	<b><u>C07D 409 /-</u></b>
<b><u>B63B 41 /-</u></b>	2016253679	2016254966	2016304811	<b><u>C07D 211 /-</u></b>	2014340318
2015200433	<b><u>B65G 11 /-</u></b>	<b><u>C02F 1 /-</u></b>	<b><u>C05F 17 /-</u></b>	2014346483	2014357342
<b><u>B63B 43 /-</u></b>	2017200686	2014290034	2014273842	2016267872	2016286537
2016206581	<b><u>B65G 15 /-</u></b>	2014305993	<b><u>C05F 9 /-</u></b>	<b><u>C07D 213 /-</u></b>	<b><u>C07D 413 /-</u></b>
<b><u>B63B 9 /-</u></b>	2016269892	2014347797	2014273842	2014340318	2014306417
2015341033	<b><u>B65G 57 /-</u></b>	2014375247	<b><u>C06B 21 /-</u></b>	<b><u>C07D 231 /-</u></b>	2014340318
<b><u>B64C 3 /-</u></b>	2017201018	2015266295	2014409009	2014232383	2014357342
2015200677	<b><u>B65G 65 /-</u></b>	2015297372	<b><u>C07C 15 /-</u></b>	2015369690	2015365455
	2014268286	2016295009	2015256266	<b><u>C07D 239 /-</u></b>	2015369690
		2016316834		2014340318	<b><u>C07D 417 /-</u></b>
		2017201034			2014357342
		2017204576			2014385276
		2017210547			

Applications Accepted - IPC Index cont'd

2015365944	2016206156	<b><u>C08H 7 /-</u></b>	2015203713	<b><u>C09J 133 /-</u></b>	2016251827
2015369690	2016256810				2016251832
2016205657	2016258284	2018203118	<b><u>C09C 1 /-</u></b>		
2016279388	2017201356	<b><u>C08H 8 /-</u></b>	2016254966	2014406068	<b><u>C10N 10 /-</u></b>
<b><u>C07D 419 /-</u></b>	2017201661			2017201999	
	2017202364	2017228570	<b><u>C09D 105 /-</u></b>	<b><u>C09J 135 /-</u></b>	2016251827
	2017206185	2018203118			2016251832
2014385276	2017226510	<b><u>C08J 3 /-</u></b>	2014406068	2014406068	<b><u>C10N 30 /-</u></b>
<b><u>C07D 451 /-</u></b>	<b><u>C07K 17 /-</u></b>		<b><u>C09D 109 /-</u></b>	<b><u>C09J 153 /-</u></b>	2017202845
		2016217105			
2014346483	2017202672	<b><u>C08J 5 /-</u></b>	2014406068	2014406068	<b><u>C10N 40 /-</u></b>
<b><u>C07D 471 /-</u></b>	2017216525		<b><u>C09D 123 /-</u></b>	<b><u>C09J 4 /-</u></b>	2016251827
	<b><u>C07K 19 /-</u></b>	2016222779			2016251832
2015243694		2016353128	2016349551	2017201999	2017202845
<b><u>C07D 473 /-</u></b>	2017201782	<b><u>C08J 7 /-</u></b>	<b><u>C09D 125 /-</u></b>	<b><u>C09K 8 /-</u></b>	<b><u>C10N 50 /-</u></b>
	2017225060				
2014306417	<b><u>C07K 5 /-</u></b>	2016240764	2014406068	2015231341	2016251827
2016250972				2015301423	2016251832
<b><u>C07D 487 /-</u></b>	2014398345	<b><u>C08J 9 /-</u></b>	<b><u>C09D 133 /-</u></b>	2016217105	
				2016252607	<b><u>C10N 70 /-</u></b>
2014340318	<b><u>C07K 7 /-</u></b>	2016295009	2014342284		
2014367284			2014406068	<b><u>C10G 1 /-</u></b>	2016251827
2015248936	2014331812	<b><u>C08K 3 /-</u></b>	2015308521		2016251832
2016297395	2014343503		2017261186	2017201034	
<b><u>C07D 489 /-</u></b>	2015274889	2015321533	<b><u>C09D 135 /-</u></b>	<b><u>C10G 2 /-</u></b>	<b><u>C10N 80 /-</u></b>
	<b><u>C08B 37 /-</u></b>	2016294056			
2017203156	2015347361	<b><u>C08K 5 /-</u></b>	2014406068	2017202417	2016251827
<b><u>C07D 495 /-</u></b>	<b><u>C08F 2 /-</u></b>		<b><u>C09D 151 /-</u></b>	<b><u>C10G 9 /-</u></b>	2016251832
		2015366514			
2016286537	2014342284	2016312896	2016349551	2016251561	2015239532
<b><u>C07H 1 /-</u></b>	<b><u>C08F 212 /-</u></b>	2016349551	<b><u>C09D 153 /-</u></b>	<b><u>C10J 3 /-</u></b>	2015347014
		<b><u>C08K 7 /-</u></b>			
2014331863	2016295009		2014406068	2017202417	<b><u>C11D 11 /-</u></b>
<b><u>C07H 19 /-</u></b>	<b><u>C08F 220 /-</u></b>	<b><u>C08L 11 /-</u></b>	<b><u>C09D 183 /-</u></b>	<b><u>C10K 1 /-</u></b>	2014390742
2014331863	2014342284	2016294056	2016286690	2017201034	<b><u>C11D 3 /-</u></b>
<b><u>C07H 21 /-</u></b>	<b><u>C08F 263 /-</u></b>	<b><u>C08L 19 /-</u></b>	2016288032		2014390742
			<b><u>C09D 5 /-</u></b>	<b><u>C10L 3 /-</u></b>	
2016256810	2015266295	2016312896		2015281749	<b><u>C11D 7 /-</u></b>
<b><u>C07K 1 /-</u></b>	<b><u>C08F 293 /-</u></b>	<b><u>C08L 23 /-</u></b>	2015247667	2016344549	2014390742
			2015366514		
2016364597	2015302410	2016222779	2016254966	<b><u>C10L 5 /-</u></b>	<b><u>C12M 1 /-</u></b>
2017201724		2017201999	2017261186		
2017201782	<b><u>C08F 8 /-</u></b>	<b><u>C08L 25 /-</u></b>	<b><u>C09H 5 /-</u></b>	2015290517	2014344726
<b><u>C07K 14 /-</u></b>				<b><u>C10M 125 /-</u></b>	2018200116
	2016295009	2016295009	2016333402		
	<b><u>C08G 18 /-</u></b>		<b><u>C09J 105 /-</u></b>	2018201409	<b><u>C12M 3 /-</u></b>
2014268298		<b><u>C08L 33 /-</u></b>			2014344726
2014329454	2015301972		2014406068	<b><u>C10M 129 /-</u></b>	
2014329524		2017201999			<b><u>C12N 1 /-</u></b>
2014331812	<b><u>C08G 63 /-</u></b>	<b><u>C08L 7 /-</u></b>	<b><u>C09J 109 /-</u></b>	2017202845	
2014363158					2013291936
2016364597	2015254673	2017310339	2014406068	<b><u>C10M 133 /-</u></b>	2015210892
2017202672	2017202053	<b><u>C08L 77 /-</u></b>	<b><u>C09J 113 /-</u></b>		2016256810
	<b><u>C08G 64 /-</u></b>			2017202845	2016305391
		2016222779	2016353128	<b><u>C10M 139 /-</u></b>	2017201265
2013370548	2015254673	<b><u>C08L 9 /-</u></b>	<b><u>C09J 123 /-</u></b>		
2014213147	2017202053			2018201409	<b><u>C12N 11 /-</u></b>
2014228829	<b><u>C08G 8 /-</u></b>	2016294056	2017201999	<b><u>C10M 159 /-</u></b>	2014344726
2014249224		<b><u>C08L 95 /-</u></b>	<b><u>C09J 125 /-</u></b>		
2014249243	2018203118			2018202106	<b><u>C12N 13 /-</u></b>
2014268298			2014406068	<b><u>C10M 171 /-</u></b>	2015317712
2015317712					
2015359003					

Applications Accepted - IPC Index cont'd

<b>C12N 15 /-</b>	2017201661	<b>C25B 15 /-</b>	<b>E01F 15 /-</b>	<b>E04H 4 /-</b>	<b>F01K 23 /-</b>
2013339063	<b>C12R 1 /-</b>	2014293442	2014397783	2014347797	2015335896
2015249328	2016305391	<b>C40B 30 /-</b>	<b>E02B 7 /-</b>	<b>E05D 11 /-</b>	<b>F01K 27 /-</b>
2015260991	<b>C21B 13 /-</b>	2014344726	2015209628	2018202899	2015335896
2015343037	2015329325	<b>D03D 15 /-</b>	<b>E02F 3 /-</b>	<b>E05F 7 /-</b>	2016380382
2016206156	<b>C21B 7 /-</b>	2017258969	2014280911	2018202899	<b>F02C 3 /-</b>
2016250354	2014363701	<b>D04H 1 /-</b>	2014334514	<b>E06B 3 /-</b>	2015209443
2016256810	2015418375	2014330822	2017216529	2014369397	<b>F02C 9 /-</b>
2017200950	<b>C21D 8 /-</b>	<b>D06F 25 /-</b>	<b>E02F 9 /-</b>	2016265916	2014379485
2017201425	2015222278	2014308064	2014277672	2016392764	2015209443
2017201724	2016331133	2014314258	2017216529	<b>E06B 9 /-</b>	<b>F02G 5 /-</b>
2017201782	<b>C21D 9 /-</b>	2014401951	<b>E03B 3 /-</b>	2015238412	2015335896
2017208033	2015222278	<b>D06F 33 /-</b>	2015386030	2016265916	<b>F03B 13 /-</b>
2017210669	<b>C22B 1 /-</b>	2013409580	<b>E03C 1 /-</b>	<b>E21B 17 /-</b>	2016350551
2017225060	2015329325	2016350664	2014203445	2014331298	2017372883
2017226510	2016315207	<b>D06F 35 /-</b>	<b>E03F 1 /-</b>	2015259715	<b>F03B 17 /-</b>
2017310339	<b>C22B 23 /-</b>	2013409580	2015230021	2016251827	2016251832
<b>C12N 5 /-</b>	2015329325	<b>D06F 37 /-</b>	2017221842	<b>E21B 33 /-</b>	2017372883
2013251749	<b>C22B 3 /-</b>	2014401951	2017221901	2015237367	<b>F03B 3 /-</b>
2013280698	2016311804	2016350664	<b>E03F 5 /-</b>	<b>E21B 41 /-</b>	2017372883
2013298450	2016315207	2016384525	2015230021	2015212880	<b>F03G 7 /-</b>
2013308113	<b>C22B 5 /-</b>	<b>D06F 39 /-</b>	2017221842	<b>E21B 43 /-</b>	2016350551
2013308770	2015329325	2013409580	2017221901	2015212880	<b>F04B 43 /-</b>
2013339063	<b>C22B 59 /-</b>	2014308064	<b>E04B 1 /-</b>	2015212880	2014381624
2013353573	2016315207	2014314258	2014398277	2015231341	<b>F04B 47 /-</b>
2013362880	<b>C22C 21 /-</b>	2014314511	2017203763	2015301423	2016251882
2014248651	2015329325	2014314518	<b>E04B 5 /-</b>	2016217105	2017204576
2014344726	<b>C22C 33 /-</b>	2014314519	2016256674	2016251882	2017248467
2015317712	2016206897	2016350664	<b>E04B 7 /-</b>	2017248467	<b>F04B 53 /-</b>
2016206156	2017305004	2016384525	2014398277	<b>E21B 47 /-</b>	2016251882
2017200473	<b>C22C 38 /-</b>	<b>D06F 58 /-</b>	<b>E04B 9 /-</b>	2015259715	<b>F04C 29 /-</b>
2017203616	2015329325	2014259498	2018203617	2015318192	2015258784
2017225060	<b>C22C 38 /-</b>	2014314258	<b>E04C 1 /-</b>	2015380591	<b>F04B 47 /-</b>
2017226510	2015222278	2014314500	2013206165	2016217105	2016251882
2017310339	2016331133	2014314511	<b>E04C 2 /-</b>	2017248467	<b>F04B 53 /-</b>
<b>C12N 7 /-</b>	2016393538	2014314518	2014398277	<b>E21B 47 /-</b>	2016251882
2013308113	2017202997	2014314519	<b>E04B 9 /-</b>	2015259715	<b>F04C 29 /-</b>
2014329524	<b>C23C 18 /-</b>	2014401951	2018203617	2015318192	2015258784
<b>C12N 9 /-</b>	2015222278	<b>D06P 1 /-</b>	<b>E04C 1 /-</b>	2016251882	<b>F04B 47 /-</b>
2013291936	2016331133	2017258969	2013206165	2017204576	2016251882
2015210892	2016331133	<b>D07B 1 /-</b>	<b>E04C 2 /-</b>	2017248467	<b>F04B 53 /-</b>
2017210669	2017202997	2016269892	2014398277	<b>E21B 49 /-</b>	2016251882
2017310339	<b>C23C 28 /-</b>	<b>D21H 17 /-</b>	<b>E04F 13 /-</b>	2015380591	<b>F04D 13 /-</b>
<b>C12P 17 /-</b>	2015222278	2014317940	2016366279	2015380591	2015316947
2017310339	2016331133	<b>E01C 5 /-</b>	<b>E04G 21 /-</b>	2015380591	2015316948
<b>C12P 21 /-</b>	2016393538	2017258969	2016282080	<b>E21B 7 /-</b>	2015393386
2013291936	2017202997	<b>D06P 1 /-</b>	<b>E04H 1 /-</b>	2015211429	<b>F04D 15 /-</b>
2016256810	<b>C23C 18 /-</b>	<b>D06P 1 /-</b>	2014398277	2016261760	2015316947
2016364597	2015329325	<b>D07B 1 /-</b>	<b>E04F 13 /-</b>	<b>E21D 11 /-</b>	2015316948
2017202364	2014331298	2016269892	2016366279	2015211429	<b>F04D 7 /-</b>
<b>C12P 7 /-</b>	<b>C23C 28 /-</b>	<b>D21H 17 /-</b>	<b>E04G 21 /-</b>	<b>F01D 17 /-</b>	2015316947
2017201265	2016251827	2014317940	2016282080	2014379485	2015316948
<b>C12Q 1 /-</b>	2016251832	<b>E01C 5 /-</b>	<b>E04H 1 /-</b>	<b>F01K 13 /-</b>	<b>F04D 9 /-</b>
2013248138	<b>C25B 1 /-</b>	2013206165	2014398277	2015263777	2017213444
2013291816	2014293442	<b>E01C 5 /-</b>			
2013308113	2014351621				
2013330509					
2013340841					
2014344726					

Applications Accepted - IPC Index cont'd

<b><u>F15B 1 /-</u></b>	<b><u>F16H 61 /-</u></b>	<b><u>F17C 3 /-</u></b>		2017263104	<b><u>G01N 27 /-</u></b>
2016350551	2017268616	2016290011	<b><u>F25J 3 /-</u></b>		2014314153
<b><u>F15B 5 /-</u></b>	<b><u>F16K 11 /-</u></b>	<b><u>F17D 1 /-</u></b>	2015281749	<b><u>F41G 11 /-</u></b>	2014319100
2016243514	2017228878	2017232180	<b><u>F25J 5 /-</u></b>	2015201976	2017200348
<b><u>F16B 12 /-</u></b>	<b><u>F16K 31 /-</u></b>	<b><u>F17D 3 /-</u></b>	2015281749	<b><u>F42B 39 /-</u></b>	<b><u>G01N 29 /-</u></b>
2017202812	2017228878	2014208198	<b><u>F26B 21 /-</u></b>	2017263104	2015411350
<b><u>F16B 15 /-</u></b>	<b><u>F16L 11 /-</u></b>	2017232180	2016380382	<b><u>G01C 21 /-</u></b>	2017200609
2017201293	2014299014	<b><u>F23D 1 /-</u></b>	<b><u>F27D 17 /-</u></b>	2015209371	<b><u>G01N 3 /-</u></b>
<b><u>F16B 2 /-</u></b>	2016294056	2015418375	2016380382	2017278032	2015411350
2015201391	<b><u>F16L 13 /-</u></b>	<b><u>F23D 14 /-</u></b>	<b><u>F27D 25 /-</u></b>	<b><u>G01C 3 /-</u></b>	<b><u>G01N 30 /-</u></b>
2018203617	2014356075	2016251561	2015218157	2014277672	2015340750
<b><u>F16B 31 /-</u></b>	2014356180	<b><u>F23J 3 /-</u></b>	<b><u>F27D 3 /-</u></b>	<b><u>G01D 21 /-</u></b>	2016323825
2017276291	<b><u>F16L 19 /-</u></b>	2015218157	2014363701	2014349172	<b><u>G01N 33 /-</u></b>
<b><u>F16B 39 /-</u></b>	2016264709	2015240220	2016380382	<b><u>G01D 5 /-</u></b>	2013248138
2017276291	<b><u>F16L 21 /-</u></b>	<b><u>F24C 15 /-</u></b>	<b><u>F28C 1 /-</u></b>	2014349172	2013298450
<b><u>F16B 45 /-</u></b>	2014370101	2014277944	2015201171	<b><u>G01F 1 /-</u></b>	2013308113
2016276196	<b><u>F16L 25 /-</u></b>	<b><u>F24C 7 /-</u></b>	<b><u>F28D 1 /-</u></b>	2014339293	2013354355
<b><u>F16B 47 /-</u></b>	2014331298	2017202618	2014367353	2017203529	2013369439
2016276196	<b><u>F16L 3 /-</u></b>	<b><u>F24F 1 /-</u></b>	<b><u>F28D 7 /-</u></b>	<b><u>G01F 15 /-</u></b>	2014314153
<b><u>F16B 5 /-</u></b>	2017203186	2015407701	2014339293	2017203529	2015317712
2017202812	<b><u>F16L 41 /-</u></b>	2016297374	<b><u>F28F 1 /-</u></b>	<b><u>G01F 23 /-</u></b>	2015411350
<b><u>F16D 1 /-</u></b>	2016264709	2017268565	2015335896	2014319100	2017200348
2017236008	<b><u>F16L 5 /-</u></b>	2017268576	<b><u>F28F 13 /-</u></b>	<b><u>G01F 5 /-</u></b>	2017200609
<b><u>F16F 15 /-</u></b>	2014356180	<b><u>F24F 13 /-</u></b>	2014339293	2014208198	2017201661
2016238278	<b><u>F16L 53 /-</u></b>	2016297374	<b><u>F28F 19 /-</u></b>	<b><u>G01F 15 /-</u></b>	2017201908
2016350551	2014299014	2017268576	2018201234	2017203529	2017201908
<b><u>F16F 7 /-</u></b>	<b><u>F16L 57 /-</u></b>	<b><u>F24H 9 /-</u></b>	<b><u>F28F 21 /-</u></b>	<b><u>G01F 23 /-</u></b>	2017202159
2014397783	2016251827	2014221238	2016277551	2014319100	2017202377
<b><u>F16F 9 /-</u></b>	2016251832	<b><u>F24S 10 /-</u></b>	<b><u>G01F 5 /-</u></b>	<b><u>G01F 5 /-</u></b>	<b><u>G01N 35 /-</u></b>
2015201976	<b><u>F16L 58 /-</u></b>	2014284257	2014208198	2014208198	2017202377
2015296548	2014331298	2015208143	<b><u>G01H 1 /-</u></b>	<b><u>G01H 1 /-</u></b>	<b><u>G01R 33 /-</u></b>
2016238278	2014356075	<b><u>F24S 23 /-</u></b>	2016277551	2016277551	2015311825
<b><u>F16G 1 /-</u></b>	2016251827	2015208143	<b><u>G01L 19 /-</u></b>	<b><u>G01L 19 /-</u></b>	2015380591
2016353128	2016251832	<b><u>F24S 80 /-</u></b>	2016243514	<b><u>G01L 19 /-</u></b>	<b><u>G01S 3 /-</u></b>
<b><u>F16G 11 /-</u></b>	<b><u>F16L 59 /-</u></b>	2015208143	2016243514	2016243514	2017200769
2015345284	2014356180	<b><u>F24S 90 /-</u></b>	<b><u>G01L 7 /-</u></b>	<b><u>G01L 7 /-</u></b>	<b><u>G01S 5 /-</u></b>
<b><u>F16H 25 /-</u></b>	2016207983	2014284257	2016243514	2016243514	2015256160
2017204800	<b><u>F16N 21 /-</u></b>	2014284257	<b><u>G01M 13 /-</u></b>	<b><u>G01M 13 /-</u></b>	2015259420
<b><u>F16H 48 /-</u></b>	2018256611	<b><u>F25D 23 /-</u></b>	2016277551	2016277551	<b><u>G01S 7 /-</u></b>
2015211429	<b><u>F16P 3 /-</u></b>	2016207983	<b><u>G01N 1 /-</u></b>	<b><u>G01N 1 /-</u></b>	2014320131
	2017210492	<b><u>F25J 1 /-</u></b>	2016303433	2016303433	<b><u>G01V 3 /-</u></b>
		2015281749	2016323825	2016323825	2015380591
			<b><u>G01N 21 /-</u></b>	<b><u>G01N 21 /-</u></b>	2017279664
			2016284237	2016284237	<b><u>G02B 1 /-</u></b>
			2017200348	2017200348	2016240877
			2017202159	2017202159	<b><u>G02B 23 /-</u></b>
			<b><u>G01N 25 /-</u></b>	<b><u>G01N 25 /-</u></b>	2015201976
			2016256898	2016256898	<b><u>G02B 27 /-</u></b>

Applications Accepted - IPC Index cont'd

2014277672	2014319964	2014327792	2014200492	<b>H01R 4 /-</b>	<b>H02M 9 /-</b>
<b>G02B 6 /-</b>	2014369830	<b>G07F 17 /-</b>	<b>G16C 60 /-</b>	2015331863	2014318758
2013404747	2015259484	2017200604	2013369439	<b>H02B 1 /-</b>	<b>H02S 20 /-</b>
2015200237	2015346655	<b>G07F 9 /-</b>	<b>H01B 17 /-</b>	2015276408	2014370205
<b>G02C 7 /-</b>	<b>G06F 19 /-</b>	2014372764	2017245416	<b>H02B 11 /-</b>	<b>H03B 19 /-</b>
2016240877	2016273897	<b>G08B 13 /-</b>	<b>H01B 7 /-</b>	2015276408	2016231618
2017200195	<b>G06F 21 /-</b>	2015200482	2014390753	<b>H02G 1 /-</b>	<b>H03M 1 /-</b>
2017202382	2015382365	2015324345	<b>H01C 1 /-</b>	2014333838	2014240238
<b>G02F 1 /-</b>	2016256794	2016273813	2015306506	<b>H02G 15 /-</b>	<b>H03M 13 /-</b>
2016350664	2016261830	2018202899	<b>H01C 3 /-</b>	2015200237	2014415500
<b>G03G 15 /-</b>	<b>G06F 3 /-</b>	<b>G08B 29 /-</b>	<b>H01F 17 /-</b>	2015331863	<b>H03M 7 /-</b>
2017236008	2013289090	2016380353	2015311825	<b>H02G 7 /-</b>	2013284703
2017272313	2014200042	<b>G08C 17 /-</b>	<b>H01H 9 /-</b>	2017245416	<b>H04B 1 /-</b>
<b>G05B 23 /-</b>	2014226091	2016225032	2016266964	<b>H02J 1 /-</b>	2014350696
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<b>G05B 9 /-</b>	2017200737	2017203907	<b>H02J 7 /-</b>	2014331812	<b>H04B 17 /-</b>
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<b>G05D 23 /-</b>	<b>G06F 9 /-</b>	2014368923	2014365860	<b>H02K 1 /-</b>	2015219119
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	<b>G07D 7 /-</b>	2017200769			
	2016327918	<b>G11C 11 /-</b>			
		2015217102			

Applications Accepted - IPC Index cont'd

2015401229	2016308701
2016271856	2016392262
2016414391	
2017255367	<b>H04W 64 /-</b>
<b>H04L 5 /-</b>	2017272236
2015321948	<b>H04W 72 /-</b>
2015337003	
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2016308701	
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<b>H04L 9 /-</b>	2015287586
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<b>H04M 1 /-</b>	<b>H04W 8 /-</b>
2016269522	2016308701
2016271856	<b>H04W 84 /-</b>
<b>H04M 3 /-</b>	
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2015202807	2017245446
<b>H04N 19 /-</b>	<b>H04W 88 /-</b>
2014385774	2015248161
2016259446	<b>H05B 1 /-</b>
2016262259	
2018200190	2014221238
2018201344	<b>H05B 37 /-</b>
<b>H04N 21 /-</b>	
2014200042	2015259484
2015373940	<b>H05B 6 /-</b>
<b>H04N 5 /-</b>	2014376994
	2015206075
2016382631	<b>H05H 1 /-</b>
2017200769	
<b>H04N 7 /-</b>	2015255668
2016382631	<b>H05K 1 /-</b>
2017200769	
<b>H04S 5 /-</b>	2014319100
	<b>H05K 7 /-</b>
2013284703	2014319100
<b>H04W 12 /-</b>	
2015360509	
2016271856	
<b>H04W 24 /-</b>	
2015248161	
<b>H04W 4 /-</b>	
2015202807	
2015306878	
2015324345	
2015349942	
2015400545	
2016235040	
2016309108	
2017272236	
<b>H04W 48 /-</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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 (11) AU-B-2018101083  
 (21) 2018101083 (22) 06.08.2018  
 (54) Determining the Condition of Photovoltaic Modules  
 (51) Int. Cl.  
*H02S 50/15* ( 2014.01 )  
*G01N 21/64* ( 2006.01 )  
*G01N 21/66* ( 2006.01 )  
*G01N 21/88* ( 2006.01 )  
*G06T 7/00* ( 2017.01 )  
 (45) 17.01.2019  
 (62) 2016431057  
 (72) Trupke, Thorsten; Maxwell, Ian Andrew; Bardos, Robert Andrew; Weber, Juer-gen  
 (74) Graham Atkins

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 (21) 2018100911 (22) 29.06.2018  
 (54) Mounting Block Stock and System for use  
 (51) Int. Cl.  
*E04B 1/38* ( 2006.01 )  
*H02B 1/015* ( 2006.01 )  
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 (72) IRVINE, David  
 (74) Wallington-Dummer

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(71) Dalian University of Technology  
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 (21) 2018101476 (22) 02.10.2018  
 (54) ORGANIC ELECTROLUMINESCENT MATERIAL AND APPLICATIONS  
 (51) Int. Cl.  
*C09K 11/07* ( 2006.01 )  
*C07D 209/82* ( 2006.01 )  
*C07D 213/22* ( 2006.01 )  
*H01L 51/54* ( 2006.01 )  
 (31) 201810300407.4 (32) 04.04.18 (33) CN  
 (45) 17.01.2019  
 (72) Liu, Di; Wang, Fang  
 (74) Madderns Patent & Trade Mark Attorneys

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(71) KYNOCH MINERALS PTY LTD  
 (11) AU-B-2018101150  
 (21) 2018101150 (22) 13.08.2018  
 (54) This patent application is a description of an extraction process which maximises resource utilisation by extracting valuable molybdenum oxides from overburden developed by oxidation processes above a metal deposit. The product of this process is then utilised as components of molybdenum trioxide - based fertiliser.  
 (51) Int. Cl.

*C05D 9/02* ( 2006.01 )  
 (45) 17.01.2019  
 (72) PAYNTER, GREGORY THOMAS; ED-SER, GARRY ALEXANDER; STARR, KRISTINE JANE  
 (74) KYNOCH MINERALS PTY LTD

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(71) NEW CONCEPT SIGN & DISPLAY PTY LTD  
 (11) AU-B-2018101048  
 (21) 2018101048 (22) 30.07.2018  
 (54) None tear aluminum foil print media  
 (51) Int. Cl.  
*B32B 15/20* ( 2006.01 )  
*B32B 7/12* ( 2006.01 )  
*B41M 1/26* ( 2006.01 )  
*D21H 27/30* ( 2006.01 )  
 (45) 17.01.2019  
 (72) NI, Xiaojia  
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(71) Paspaley Pearls Properties Pty Ltd  
 (11) AU-B-2013101183  
 (21) 2013101183 (22) 05.09.2013  
 (54) An article of adornment  
 (51) Int. Cl.  
*A44C 17/02* ( 2006.01 )  
 (45) 17.01.2019  
 (72) Büman, Catherine  
 (74) FB Rice Pty Ltd

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 (11) AU-B-2017100664  
 (21) 2017100664 (22) 07.06.2017  
 (54) Facade panel sealing system  
 (51) Int. Cl.  
*E04B 1/66* ( 2006.01 )  
*E04D 3/38* ( 2006.01 )  
*E04F 19/02* ( 2006.01 )  
*E06B 7/16* ( 2006.01 )  
 (31) 2016902217 (32) 07.06.16 (33) AU  
 (45) 17.01.2019  
 (72) EDMAN, Robert Alan  
 (74) Cotters Patent & Trade Mark Attorneys

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(71) SKINPROTECT CORPORATION SDN BHD  
 (11) AU-B-2018100861  
 (21) 2018100861 (22) 22.06.2018  
 (54) Elastomeric gloves and methods for their production  
 (51) Int. Cl.  
*A41D 19/015* ( 2006.01 )  
*A61B 42/10* ( 2016.01 )  
 (31) 2017902922 (32) 25.07.17 (33) AU  
 62/536,887 25.07.17 US  
 (45) 17.01.2019  
 (72) FOO, Khon Pu; PRABHAKARAN, Kumareshan  
 (74) Griffith Hack



**Numerical Index**

**2013101183** Paspaley Pearls Properties Pty Ltd  
**2017100664** Retown Pty Ltd  
**2018100861** SKINPROTECT CORPORATION SDN BHD  
**2018100911** CORRO-MOUNT PTY LTD  
**2018101048** NEW CONCEPT SIGN & DISPLAY PTY LTD  
**2018101083** BT Imaging Pty Ltd  
**2018101150** KYNOCH MINERALS PTY LTD  
**2018101476** Dalian University of Technology

IPC Index

<b><u>A41D 19 /-</u></b>	<b><u>H02B 1 /-</u></b>
2018100861	2018100911
<b><u>A44C 17 /-</u></b>	<b><u>H02S 50 /-</u></b>
2013101183	2018101083
<b><u>A61B 42 /-</u></b>	
2018100861	
<b><u>B32B 15 /-</u></b>	
2018101048	
<b><u>B32B 7 /-</u></b>	
2018101048	
<b><u>B41M 1 /-</u></b>	
2018101048	
<b><u>C05D 9 /-</u></b>	
2018101150	
<b><u>C07D 209 /-</u></b>	
2018101476	
<b><u>C07D 213 /-</u></b>	
2018101476	
<b><u>C09K 11 /-</u></b>	
2018101476	
<b><u>D21H 27 /-</u></b>	
2018101048	
<b><u>E04B 1 /-</u></b>	
2017100664	
2018100911	
<b><u>E04D 3 /-</u></b>	
2017100664	
<b><u>E04F 19 /-</u></b>	
2017100664	
<b><u>E06B 7 /-</u></b>	
2017100664	
<b><u>G01N 21 /-</u></b>	
2018101083	
<b><u>G06T 7 /-</u></b>	
2018101083	
<b><u>H01L 51 /-</u></b>	
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**Opposition Proceedings**

(The name in parentheses is that of the opponent)

**Opposition Lodged**

- 2005240131 **Ipsen Biopharm Ltd.** ( Smoorenburg, R. )
- 2016256709 **Nestec S.A.** ( Fonterra Co-Operative Group Limited )
- 2017200709 **ESCO Group LLC** ( CQMS Pty Ltd )
- 2018100549 **HeliMods Pty Ltd** ( Five Rings Aerospace Pty Ltd )

**Patents Granted**

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- 2013206023 2013206774 2013207385 2013210859
- 2013216863 2013224205 2013224643 2013226400
- 2013229416 2013232131 2013255031 2013256240
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- 2013337418 2013351411 2013352379 2013353763
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**Patents Granted**

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**Patents Granted**

**Standard Patents**

2016286257	2016295343	2016298599	2016300491
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**Innovation Patents**

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2018101939	2018101940	2018101941	2018101942
2018101943	2018101944	2018101945	2018101946
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2018101951	2018101952	2018101953	2018101954
2018101955	2018101956	2018101962	2018101987
2018101988	2018101989	2018101990	2018102012
2018102020	2018102021	2018102024	2018102025
2018102027	2018102028	2018102029	2018102030
2018102031	2018102033	2018102034	2018102035
2018102036	2018102037	2018102040	2018102041
2018102042	2018102043	2018102044	2018102045
2018102046	2018102047	2018102048	2018102049
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2018102057	2018102058	2018102064	2018102067
2018102068	2018102069		

**Assignments Registered**

2001021950	Gurney Slade Lime & Stone Company Limited	The patent has been assigned to <b>CRW Holdings Limited</b>
2001255680	Reckitt Benckiser LLC	The patent has been assigned to <b>RB Health (US) LLC</b>
2003230467	Nederlandse Organisatie Voor Toegepast-Natuur-wetenschappelijk Onderzoek TNO	The patent has been assigned to <b>Stichting Wageningen Research</b>
2003237807	Reckitt Benckiser LLC	The patent has been assigned to <b>RB Health (US) LLC</b>
2005250054	CMH Products Pty Ltd	The patent has been assigned to <b>Surf Hardware International Pty Limited</b>
2005281566	Reckitt Benckiser LLC	The patent has been assigned to <b>RB Health (US) LLC</b>
2006200363	Taiwan Hopax Chems. Mfg. Co., Ltd	The patent has been assigned to <b>SeeCURE Taiwan Co., Ltd.</b>
2007207813	Incima IPCO B.V.; Cibus Europe B.V.	The patent has been assigned to <b>Cibus Europe B.V.</b>
2007261272	AVG Netherlands B.V.	The patent has been assigned to <b>Avast Software s.r.o.</b>
2007307379	NEDERLANDSE ORGANISATIE VOOR TOEGE-PAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO	The patent has been assigned to <b>Stichting Wageningen Research</b>
2008202391	Taiwan Hopax Chems. Mfg. Co., Ltd	The patent has been assigned to <b>SeeCURE Taiwan Co., Ltd.</b>
2008222266	Sumitomo (SEI) Steel Wire Corp.	The patent has been assigned to <b>Sumitomo (SEI) Steel Wire Corp.; Jenmar Australia Pty. Ltd</b>
2008275194	Leman Cardiovascular SA	The patent has been assigned to <b>Hancock Jaffe Laboratories Inc.</b>
2009205567	Next Holdings Ltd.; Avery Dennison Corporation	The patent has been assigned to <b>Avery Dennison Corporation; Smart Technologies ULC</b>
2009286432	AVG Netherlands B.V.	The patent has been assigned to <b>Avast Software s.r.o.</b>
2010267185	Sony Corporation	The patent has been assigned to <b>Velos Media International Limited</b>
2010294008	Reckitt Benckiser LLC	The patent has been assigned to <b>RB Health (US) LLC</b>
2011266782	Reckitt Benckiser LLC	The patent has been assigned to <b>RB Health (US) LLC</b>
2011307959	Gantel Properties Limited	The patent has been assigned to <b>Heimdall Power AS</b>
2011315498	Proximagen Ltd	The patent has been assigned to <b>PROXIMAGEN, LLC</b>
2012206186	Sony Corporation	The patent has been assigned to <b>Velos Media International Limited</b>
2012213204	Reckitt Benckiser LLC	The patent has been assigned to <b>RB Health (US) LLC</b>
2012303668	Gantel Properties Limited	The patent has been assigned to <b>Heimdall Power AS</b>

**Assignments Registered**

2012334663 Zhu, Jian The patent has been assigned to **HANG-ZHOU AGS MEDTECHCO., LTD.**

2013200370 Bayer CropScience AG The patent has been assigned to **BAYER CROPSCIENCE AKTIENGESELLSCHAFT**

2013267450 TRUE HEALTH IP LLC The patent has been assigned to **HELENA LABORATORIES CORPORATION**

2014229762 Proximagen Limited The patent has been assigned to **PROXIMAGEN, LLC**

2014229763 Proximagen Limited The patent has been assigned to **PROXIMAGEN, LLC**

2015201422 Sony Corporation The patent has been assigned to **Velos Media International Limited**

2015203503 Sony Corporation The patent has been assigned to **Velos Media International Limited**

2016200566 Sony Corporation The patent has been assigned to **Velos Media International Limited**

2016201357 Sony Corporation The patent has been assigned to **Velos Media International Limited**

**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.

2007243651 **The Regents of the University of California**

The earliest first regulatory approval date provided by the patentee 05 Jul 2018

For the goods ERLYAND apalutamide

2012241184 **The Regents of the University of California**

The earliest first regulatory approval date provided by the patentee 05 Jul 2018

For the goods ERLYAND apalutamide

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

2016201061 **The Regents of the University of California**

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

2017203683 **The Regents of the University of California**

The earliest first regulatory approval date provided by the patentee 05 Jul 2018

For the goods ERLYAND apalutamide

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**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.

2007243651 **The Regents of the University of California**

The earliest first regulatory approval date provided by the patentee 05 Jul 2018

For the goods ERLYAND apalutamide

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

2012241184 **The Regents of the University of California**

The earliest first regulatory approval date provided by the patentee 05 Jul 2018

For the goods ERLYAND apalutamide

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

2016201061 **The Regents of the University of California**

The earliest first regulatory approval date provided by the patentee 05 Jul 2018

For the goods ERLYAND apalutamide

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

2017203683 **The Regents of the University of California**

The earliest first regulatory approval date provided by the patentee 05 Jul 2018

For the goods ERLYAND apalutamide

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

**Extensions granted**

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

2009311496 **Regeneron Pharmaceuticals, Inc.**

The earliest first regulatory approval date provided by the patentee 24 Jan 2018

For the goods DUPIXENT dupilumab (rch)

Extension of Term of patent pursuant to Section 77 expires on 24 Jan 2033

**Corrigenda**

In Vol 30 , No 44 , Page(s) 6464 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Babcock & Wilcox Power Company, Application No. 2015264495, under INID (71) correct the applicant name to Babcock & Wilcox Company

In Vol 32 , No 17 , Page(s) 2441 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Colgate-Palmolive Company, Application No. 2016362982, under INID (71) add co-applicant Omron Healthcare Co., Ltd.

In Vol 32 , No 33 , Page(s) 4737 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name

**Corrigenda**

Beamus Ltd., Application No. 2017219413, under INID (71) correct the applicant name to Oorym Optics Ltd.

In Vol 32 , No 37 , Page(s) 5229 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Taiwanj Pharmaceuticals Co., Ltd., Application No. 2017253228, Under INID (72) add co-inventor Wu, Edwin S. C.

In Vol 32 , No 43 , Page(s) 5989 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Ecole Superieure de Physique et de Chimie Industrielles de la Ville de Paris - ESPCI Paristech; Application No. 2017248625, under INID (71) correct the applicant name to Ecole Superieure de Physique et de Chimie Industrielles de la Ville de Paris

In Vol 32 , No 44 , Page(s) 6191 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Ivanti. Inc., Application No. 2017264954, under INID (71) correct the applicant name to Ivanti, Inc.

In Vol 32 , No 45 , Page(s) 6396 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name The Johns Hopkins University School of Medicine, Application No. 2017263630, under INID (71) correct the applicant name to The Johns Hopkins University

In Vol 32 , No 49 , Page(s) 6975 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Mitsubishi Chemical Agri Dream Co., Ltd., Application No. 2017274915, under INID (54) correct the title to read Cultivation system and cultivation method for Solanaceae seedlings

In Vol 33 , No 1 , Page(s) 21 under the heading **Applications Lapsed, Refused or Withdrawn, Patents Ceased or Expired - 2018** Delete all reference to 2018101450.

In Vol 33 , No 1 , Page(s) 22 under the heading **Assignments Before Grant, Section 113 - 2017** Under the name The Broad Institute Inc. and Massachusetts Institute of Technology, Application No. 2017253107, under INID (71) correct the applicant to read The Broad Institute, Inc. and Massachusetts Institute of Technology

In Vol 33 , No 1 , Page(s) 61 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Amazon Technologies, Inc., Application No. 2017280905, under INID (72) correct the co-inventor to Davenport Jr., Kevin Lee

**Specifications Republished**

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

- 2013365926 **Zenith Epigenetics Ltd.**
- 2014349841 **Linde Aktiengesellschaft**
- 2015350138 **Weatherford Technology Holdings, LLC**