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# The Patent Office Record

# La Gazette du Bureau des brevets



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# THE CANADIAN PATENT OFFICE RECORD

# LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle  
Commissioner of Patents

Johanne Bélisle  
Commissaire aux brevets

The Canadian Patent Office Record is published on Tuesday of each week under the authority of the Commissioner of Patents, Ottawa-Gatineau, Canada, to whom all communications should be addressed.

The Canadian Intellectual Property Office does not guarantee the accuracy of this publication, nor undertake any responsibility for errors or omissions or their consequences.

La Gazette du Bureau des brevets paraît le mardi de chaque semaine sous l'autorité du Commissaire aux brevets, Ottawa-Gatineau, Canada, à qui doit être adressée toute correspondance.

L'Office de la propriété intellectuelle de Canada ne garantit pas l'exactitude de la présente publication et ne se rend responsable d'aucune erreur ou omission ou de leurs conséquences.

# **Table of Contents**

## **Table des matières**

### Notices

Avis .....	1
------------	---

### Canadian Patents Issued

Brevets canadiens délivrés .....	24
----------------------------------	----

### Canadian Applications Open to Public Inspection

Demandes canadiennes mises à la disponibilité du public.....	77
--	----

### PCT Applications Entering the National Phase

Demandes PCT entrant en phase nationale .....	93
---	----

### Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant .....	166
---	-----

### Index of Canadian Patents Issued

Index des brevets canadiens délivrés .....	172
--	-----

### Index of Canadian Applications Open to Public Inspection

Index des demandes canadiennes mises à la disponibilité du public .....	181
---	-----

### Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale .....	184
---	-----

### Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant .....	196
---	-----

# Notices

## 1. Dates and Code Numerals Appearing in Patent Headings

### Dates

All dates appearing in the patent headings of this publication follow the form recommended by the International Standards Organization. The four digits on the left represent the years followed by two digits each for the months and the days. For example, January 02, 1999 will be shown as 1999-01-02.

### Code Numerals

The numerals within the brackets in the patent headings are INID codes. "INID" is an acronym for "Internationally agreed Numbers for the Identification of Data". These codes are utilized to identify patent bibliography as recommended by the Permanent Committee on Industrial Property Information (PCIPI) under the administration of the World Intellectual Property Organization (WIPO) based in Geneva, Switzerland.

The INID Codes and their corresponding definitions of bibliographic data elements are as follows:

- [11] - Number of Patent document
- [13] - Kind-of-document code
- [21] - Number assigned to the Application
- [22] - Date of Filing Application or
- [22] - Date of filing of related divisional application
- [25] - Language in which the published application was originally filed
- [30] - Data relating to priority under the Paris Convention
  
- [41] - Open to Public Inspection Date
- [45] - Date of Issue
- [48] - Correction Date ( Re-Issued, Re-Examined )
- [51] - International Classification
- [52] - Domestic Classification
- [54] - Title of Invention
- [60] - Related by Supplementary Disclosure
- [62] - Related by Division
- [64] - Related by Reissue
- [71] - Name(s) of Applicant(s)
- [72] - Name(s) of Inventor(s)
- [73] - Name(s) of Grantee(s)
- [85] - National Entry Date
- [86] - PCT International Filing Data
- [87] - PCT International Publication data

# Avis

## 1. Dates et chiffres de code figurant à l'entête des brevets

### Dates

Toutes dates figurant aux entêtes des brevets de cette publication suivent la forme recommandée par l'Organisation des normes internationales. Les quatre chiffres de gauche représentent les années et sont suivis, vers la droite, de deux autres chiffres chacun, pour les mois et les jours. Le 2 janvier 1999, par exemple, sera représenté par 1999-01-02.

### Chiffres de code

Les chiffres à l'intérieur des parenthèses aux entêtes des brevets sont des codes INID. Le sigle « INID » signifie « Identification numérique internationale des données bibliographiques ». Ces codes sont utilisés pour l'identification de la bibliographie de brevets, tel que recommandé par le Comité permanent chargé de l'information en matière de propriété industrielle (PCIPI), sous l'administration de l'Organisation mondiale de la propriété intellectuelle (OMPI), siège à Genève, Suisse.

Les codes INID accompagnés des définitions des données bibliographiques correspondantes sont comme suit :

- [11] - Numéro du brevet
- [13] - Désignation du type de document
- [21] - Numéro attribué à la demande
- [22] - Date du dépôt de la demande ou
- [22] - Date du dépôt de la demande divisionnaire apparentée
- [25] - Langue dans laquelle la demande publiée a été initialement déposée
- [30] - Données relatives à la priorité selon la Convention de Paris
- [41] - Date de mise à la disponibilité du public
- [45] - Date de délivrance
- [48] - Date de correction ( Redélivrance, Réexamen )
- [51] - Classification internationale
- [52] - Classification nationale
- [54] - Titre de l'invention
- [60] - Apparenté par divulgation supplémentaire
- [62] - Apparenté par division
- [64] - Apparenté par redélivrance
- [71] - Nom(s) du (des) demandeur(s)
- [72] - Nom(s) de(s) l'inventeur(s)
- [73] - Nom(s) du (des) titulaire(s)
- [85] - Date d'entrée en phase nationale
- [86] - Données du dépôt international selon le PCT
- [87] - Données de publication internationale selon le PCT

## Avis

### 2. Country Code

The Country Codes appearing in this publication conform to those contained in annex A of the *Handbook on Industrial Property Information and Documentation* published by the World Intellectual Property Organization (WIPO). This document is accessible from a link entitled Standards ST-3 on the List of WIPO Standards, Recommendations and Guidelines (Abbreviated Titles) located on the WIPO Web site: ([www.wipo.int/scit/en/standards/standards.htm](http://www.wipo.int/scit/en/standards/standards.htm)).

### 2. Code des pays

Les Codes des pays qui se trouvent dans cette publication sont conformes à ceux dans l'annexe A du *Manuel sur l'information et la documentation en matière de propriété industrielle* publié par l'Organisation Mondiale de la Propriété Intellectuelle (OMPI). Ce document est accessible à partir de l'hyperlien intitulé Normes ST-3 dans la Liste des normes, recommandations et principes directeurs de l'OMPI (Titres abrégés) qui se trouve au site Web de l'OMPI: ([www.wipo.int/scit/fr/standards/standards.htm](http://www.wipo.int/scit/fr/standards/standards.htm)).

### 3. How to Purchase Paper Copies of Canadian Patents and Canadian Applications Open to Public Inspection

Paper copies of all other Canadian Patents and Canadian applications open to public inspection may be purchased at the cost of \$1 per page by visiting ([www.strategis.ic.gc.ca/patentsorder](http://www.strategis.ic.gc.ca/patentsorder)) or by writing to the Commissioner of Patents, Ottawa-Gatineau, K1A 0C9.

Item 25.1\* On requesting copy in electronic form of a document:

- |   |      |
|---|------|
| a) for each request   | N/A  |
| b) plus, for each patent or application to which the request relates  | \$10 |
| c) plus, if the copy is requested on a physical medium, for each physical medium requested in addition to the first | \$10 |
| d) plus, for each additional 10 megabytes or part of them exceeding 7 megabytes                                     | \$10 |

### 3. Comment acheter des copies sur papier de brevets canadiens et de demandes canadiennes mises à la disponibilité du public

Les copies sur papier de tous les autres brevets canadiens et des demandes canadiennes mises à la disponibilité du public peuvent être achetées au coût de 1 \$ par page en visitant notre site Web ([www.strategis.ic.gc.ca/brevetscommande](http://www.strategis.ic.gc.ca/brevetscommande)) ou en écrivant au Commissaire aux brevets, Ottawa-Gatineau, K1A 0C9.

Article 25.1\* Demande d'une copie d'un document sous forme électronique :

- |  |       |
|--|-------|
| a) pour chaque demande   | S.O.  |
| b) pour chaque demande de brevet ou brevet visé par la demande   | 10 \$ |
| c) dans le cas où le document doit être copié sur plus d'un support matériel, pour chaque support matériel additionnel | 10 \$ |
| d) pour chaque tranche de 10 mégaoctets qui excède 7 mégaoctets, l'excédant étant arrondi au multiple supérieur        | 10 \$ |

### 4. Orders for Patents by Class or Sub-Class

A listing of all patents that have issued in each class or sub-class including both patents in force and expired patents, may be ordered at a price of \$1 per page from the Patent Office.

### 4. Commande de brevets par classe ou sous-classe

Les listes de brevets délivrés dans chaque classe ou sous-classe, incluant les brevets en vigueur et ceux ayant expiré, peuvent être commandées auprès du Bureau des brevets au prix de 1 \$ la page.

## 5. Advice on Making a Patent Application

Any person intending to file a patent application may obtain an information kit upon request from the Commissioner of Patents, Ottawa-Gatineau, Canada K1A 0C9. It is recommended that applicants make use of the services of a registered Patent Agent. A list of Patent Agents in any area of Canada will also be supplied upon request.

## 5. Conseils relatifs à la préparation de demandes de brevets

Toute personne qui a l'intention de déposer une demande de brevet peut obtenir une trousse d'information sur demande faite au Commissaire aux brevets, Ottawa-Gatineau, Canada K1A 0C9. On recommande aux demandeurs d'avoir recours aux services d'un agent de brevets inscrit au registre. Une liste des agents de brevets dans n'importe quelle région du Canada sera également fournie sur demande.

## 6. Licensing of Patents

### Voluntary Licences

Persons desiring to use, make or sell an invention patented in Canada should negotiate terms with the patent owner. The address of the patentee may be obtained by writing to the Commissioner of Patents, Ottawa-Gatineau, Canada, K1A 0C9. If a voluntary licence cannot be arranged, a compulsory licence may be possible.

### Compulsory Licences

Three years after a patent has been granted, one may request a compulsory licence to use the patent if there has been an abuse of the exclusive right. See Sections 65 to 71 of the *Patent Act*. Applications for a compulsory licence are made to the Commissioner of Patents.

## 6. Octroi de licences en vertu des brevets

### Licences librement accordées

Les personnes désirant utiliser, fabriquer ou vendre une invention brevetée au Canada doivent en négocier les conditions avec le titulaire du brevet. L'adresse du titulaire peut être obtenue en écrivant au Commissaire aux brevets, Ottawa-Gatineau, Canada, K1A 0C9. S'il est impossible d'obtenir une licence résultant d'un libre accord, il est peut être possible d'obtenir une licence obligatoire.

### Licences obligatoires

Il est possible de faire la demande d'une licence obligatoire trois ans après l'octroi d'un brevet si les droits exclusifs qui en dérivent ont donné lieu à un abus. Voir les articles 65 à 71 de la *Loi sur les brevets*. Les demandes de licence obligatoire doivent être présentées au Commissaire aux brevets.

## 7. Patents Available for Licence or Sale

An asterisk (\*) placed beside any patent listed in this issue of the *Canadian Patent Office Record* indicates that as of the date of grant the said patent is available for licence or sale. These and other patents now made available for licensing are included in the listing in part 8 of these notices.

## 7. Brevets disponibles pour licence ou vente

Un astérisque (\*) marqué à côté de tout brevet inscrit dans le présent numéro de la *Gazette du bureau des brevets*, signale qu'à compter de la date de la présente publication, ledit brevet est disponible pour octroi de licence ou vente. Une liste de ces brevets et d'autres mis en disponibilité pour octroi de licence, est publiée au no. 8 des présents avis.

## 8. List of Patents Available for Licence or Sale

The following Canadian patents have been made available this week for sale or licensing:

None

## 8. Liste des brevets disponibles pour octroi de licence ou vente

Les brevets canadiens suivants ont été mis en disponibilité cette semaine pour vente ou octroi de licence :

Aucun

## 9. Applications Open to Public Inspection

All patent applications filed since October 1, 1989 and documents filed in connection therewith are open to public inspection at the Patent Office after the expiration of a confidentiality period of eighteen months beginning on the filing date of the application, or where a request for priority has been made in respect to the application, beginning on the priority date claimed. An application may become open to public inspection sooner at the request or with the approval of the applicant (Section 10(2) of the *Patent Act*). However, an application shall not be open for public inspection if it is withdrawn within the time set out in Section 92 of the *Patent Rules*. This time limit is two months before the expiry of the confidentiality period or where the Commissioner is able to stop technical preparations to open the application to the public at a subsequent date.

## 10. Language of Published Documents

When ordering a published patent, please note that the language of the document can be identified by the language code (INID [25]) EN (English) or FR (French).

## 11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After February 19, 2019

<b>1. Transmittal Fee (Rule 14)</b>	<b>\$300</b>
<b>2. International Filing Fee</b>	<b>\$1730*</b>
For each additional sheet over 30	<b>\$20</b>
<b>3. International Search Fee</b>	<b>\$1600</b>

The above mentioned fees are due at time of filing of the international application, or within one month from the international filing date (date of receipt of the international application by the receiving office). These fees are to be paid in Canadian dollars and cheques should be made payable to the Receiver General for Canada.

If the fees are not paid within one month from the international filing date, the receiving office shall invite the applicant to pay the amount required, together with a late payment fee under

## 9. Demandes mises à la disponibilité du public

Toutes les demandes de brevet et documents relatifs à ceux-ci, déposés au Bureau des brevets depuis le 1er octobre 1989, peuvent y être consultées après l'expiration de la période de confidentialité de dix-huit mois à compter de la date de dépôt de la demande de brevet ou, si une demande de priorité a été présentée à l'égard de celle-ci, de la date de dépôt sur laquelle la demande de priorité est fondée. Une demande de brevet peut être consultée avant l'expiration de la période, à la requête ou sur autorisation du demandeur (article 10(2) de la *Loi sur les brevets*). Toutefois, une demande de brevet ne pourra être consultée si celle-ci est retirée à l'intérieur du délai prévu à l'article 92 des *Règles sur les brevets*. Le délai prévu est de deux mois précédant la date d'expiration de la période de confidentialité ou, lorsque le commissaire est en mesure, à une date ultérieure, d'arrêter les préparatifs techniques en vue de la consultation de cette demande.

## 10. Langue du document publié

Toute personne intéressée à obtenir une copie d'un brevet publié doit prendre note que les codes suivants EN (Anglais) ou FR (Français) représentent (INID [25]) la langue de la copie du brevet publié.

## 11. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 19 février 2019

<b>1. Taxe de transmission (Règle 14)</b>	<b>300 \$</b>
<b>2. Taxe de dépôt internationale</b>	<b>1730 \$*</b>
Pour chaque feuille au delà de 30	<b>20 \$</b>
<b>3. Taxe de recherche internationale</b>	<b>1600 \$</b>

Les taxes mentionnées ci-haut sont payables au moment du dépôt de la demande internationale, ou dans un délai d'un mois à compter de la date de dépôt international, (soit la date de réception de la demande internationale par l'office récepteur). Les taxes doivent être payées en dollars canadiens et les chèques sont payables au receveur général du Canada.

Si les taxes n'ont pas été payées dans un délai d'un mois à compter de la date de dépôt international, l'office récepteur invitera le demandeur à payer le montant dû, accompagné de la

## Notices

Rule 16bis.2, within one month from the date of the invitation. Failure to pay the fees will result in the withdrawal of the application by the receiving office.

### 4. Late payment fee

50% of the fees that are due, or,  
Minimum: Transmittal fee  
Maximum: 50% of the international filing fee

taxe pour le paiement tardif visée à la règle 16bis.2, dans un délai d'un mois à compter de l'invitation. Si vous omettez de payer les taxes, l'office récepteur retirera votre demande.

## Preliminary Examination

**5. Handling fee (Rule 57.2(a))** \$260

**6. Preliminary examination fee (Rule 58)** \$800

\* International fees will be reduced by:

- **\$260** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- **\$390** for all applications filed electronically using PCT-SAFE or ePCT (The request, description, claims and abstract in character coded format).

### 4. Taxe pour paiement tardif

50% du montant impayé, ou,  
Minimum : taxe de transmission  
Maximum : 50% de la taxe de dépôt international

## Examen préliminaire

**5. Taxe de traitement (Règle 57.2a)** 260 \$

**6. Taxe d'examen préliminaire (Règle 58)** 800 \$

\* Les frais seront réduits de:

- **260 \$** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **390 \$** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête, la description, les revendications et l'abrégé étant en format à codage de caractères).

## 12. PCT Notices

### Patent Cooperation Treaty (PCT)

Copies of the *Patent Cooperation Treaty Applicants Guide* and the *Patent Cooperation Treaty & Regulations* are available from WIPO - World Intellectual Property Organization at a cost of 200 Swiss Francs and 18 Swiss Francs, respectively.

Those wishing for further information including prices for both previous and current subscriptions should contact WIPO at:

Information Products Section  
Post Office Box 18  
1211 Geneva 20 Switzerland  
Telephone (011 41 22) 338-9618  
Facsimile (011 41 22) 740-1812

or by "E-mail" ([publications.mail@wipo.int](mailto:publications.mail@wipo.int)) or visit their Web site ([www.wipo.int](http://www.wipo.int)).

## 12. Avis PCT

### Traité de Coopération en matière de brevets (PCT)

Des copies du *Guide du déposant du PCT* ainsi que du *Traité et des Règlements* sont disponibles auprès de l'OMPI - Organisation mondiale de la propriété intellectuelle au coût de 200 francs suisses et 18 francs suisses, respectivement.

Les personnes qui désirent obtenir de plus amples renseignements, notamment sur le prix des abonnements antérieurs et courants, sont priées de s'adresser directement à :

l'OMPI à la Section des produits d'information  
Boîte postale 18  
1211 Genève 20 Suisse  
Téléphone (011 41 22) 338-9618  
Télécopieur (011 41 22) 740-1812

ou par courriel ([publications.mail@wipo.int](mailto:publications.mail@wipo.int)) ou visiter leur site Web ([www.wipo.int](http://www.wipo.int)).

## 13. Practice Notice

### LIMITED PARTNERSHIPS CAN BE ENTERED ON THE REGISTER OF AGENTS AND ON THE LIST OF TRADE-MARK AGENTS

**Note:** This practice notice is intended to provide guidance on current Patent and Trade-marks Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.

The Patent Office and the Trade-marks Office (hereinafter jointly referred to as “the Offices”) have been receiving inquiries as to whether limited partnerships are entitled to act as patent and trade-mark agents before the Offices.

With respect to the register of patent agents, section 15 of the *Patent Act* provides that a register of patent agents shall be kept in the Patent Office on which shall be entered the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for patents or in other business before the Patent Office. Section 2 of the *Patent Rules* stipulates that the expression "patent agent" means any person or firm whose name is entered on the register of patent agents pursuant to section 15. Paragraph 15(c) of the *Patent Rules* provides that the Commissioner shall enter on the register of patent agents, on payment of the fee set out in item 33 of Schedule II, the name of **any firm, if the name of at least one member of the firm is entered on the register**.

With respect to the list of trade-mark agents, subsection 28(2) of the *Trade-marks Act* provides that the list of trade-mark agents shall include the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for the registration of a trade-mark or in other business before the Trade-marks Office. Paragraph 21(d) of the *Trade-mark Regulations* (1996) stipulates that the Registrar shall, on written request and payment of the fee set out in item 19 of the schedule, enter on a list of trade-mark agents the name of **any firm having the name of at least one of its members entered on the list as a trade-mark agent**.

Both the patent and trade-mark legislation therefore provide that firms may act as agents before the Offices, as long as one of their members is entered on the register or list of agents. It is generally recognised that the term “firm” includes partnerships, and the Offices have already allowed general partnerships and limited liability partnerships to be entered on the register or list of agents. The Offices consider that limited partnerships are also firms, and that they are entitled to act as agents before the

## 13. Énoncé de pratique

### LES SOCIÉTÉS EN COMMANDITE PEUVENT ÊTRE INSCRITES AU REGISTRE DES AGENTS DE BREVETS ET SUR LA LISTE DES AGENTS DE MARQUES DE COMMERCE

**Nota :** Le présent énoncé de pratique a pour but de préciser les pratiques actuelles du Bureau des brevets et du Bureau des marques de commerce et l'interprétation faite par ces derniers de certaines dispositions législatives. Toutefois, en cas de divergence entre le présent énoncé et la législation applicable, c'est la législation qui prévaudra.

Le Bureau des brevets et le Bureau des marques de commerce (ci-après appelés conjointement « les Bureaux ») ont reçu des questions à savoir si les sociétés en commandite (en anglais « limited partnerships ») ont le droit d'agir en tant qu'agents de brevets et de marques de commerce auprès des Bureaux.

En ce qui concerne le registre des agents de brevets, l'article 15 de la *Loi sur les brevets* prévoit qu'un registre des agents de brevets est tenu au Bureau des brevets sur lequel sont inscrits les noms de toutes les personnes et entreprises ayant le droit de représenter les demandeurs dans la présentation et la poursuite des demandes de brevet ou dans toute autre affaire devant le Bureau des brevets. Aux termes de l'article 2 des *Règles sur les brevets*, « agent de brevets » s'entend de toute personne ou maison d'affaires dont le nom est inscrit au registre des agents de brevets aux termes de l'article 15. L'alinéa 15c) des *Règles sur les brevets* prévoit que le commissaire inscrit au registre des agents de brevets, moyennant paiement de la taxe prévue à l'article 33 de l'annexe II, le nom de **toute maison d'affaires dont le nom d'au moins un membre est inscrit au registre des agents de brevets**.

En ce qui concerne la liste des agents de marques de commerce, le paragraphe 28(2) de la *Loi sur les marques de commerce* prévoit que la liste des agents de marques de commerce comporte les noms des personnes et études habilitées à représenter les intéressés dans la présentation et la poursuite des demandes d'enregistrement des marques de commerce et de toute affaire devant le Bureau des marques de commerce. Aux termes de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996), le registraire, sur demande écrite et sur paiement du droit prévu à l'article 19 de l'annexe, inscrit sur la liste des agents de marques de commerce le nom de **toute firme dont le nom d'au moins un membre est inscrit sur la liste à titre d'agent de marques de commerce**.

La législation actuelle sur les brevets et celle sur les marques de commerce prévoient donc que des firmes peuvent agir en tant qu'agents auprès des Bureaux, à condition que l'un de leurs membres soit inscrit au registre ou à la liste des agents. Il est généralement admis que le terme « firme » inclut les sociétés (en anglais « partnerships ») et les Bureaux ont déjà autorisé des sociétés en nom collectif (en anglais « general partnerships ») ainsi que des sociétés à responsabilité limitée

Offices.

Therefore, commencing immediately, the Offices will enter upon request, on the register or list of agents, limited partnerships that otherwise meet the requirements set out in the patent and trade-mark legislation.

The Offices, however, continue to consider that the current patent and trade-mark legislation do not allow corporations to be entered on the register or list of agents, since corporations do not have members and therefore cannot meet the requirements set out in paragraph 15(c) of the *Patent Rules* and paragraph 21(d) of the *Trade-mark Regulations* (1996).

## Notices

(en anglais « limited liability partnerships ») à être inscrites au registre ou à la liste des agents. Les Bureaux considèrent que les sociétés en commandite sont aussi des firmes et qu'elles ont le droit d'agir en tant qu'agents auprès des Bureaux.

En conséquence, sur demande, les Bureaux inscriront désormais au registre, ou à la liste des agents, les sociétés en commandite qui répondent aux exigences de la *Loi sur les brevets et de la Loi sur les marques de commerce*.

Les Bureaux continuent toutefois de considérer que la législation actuelle sur les brevets et les marques de commerce ne permet pas aux compagnies (en anglais « corporations ») d'être inscrites au registre ou à la liste des agents, étant donné que les compagnies n'ont pas de membres et ne peuvent donc pas satisfaire aux exigences de l'alinéa 15c) des *Règles sur les brevets et de l'alinéa 21d) du Règlement sur les marques de commerce* (1996).

## 14. Correspondence Procedures

Publication date: May 10, 2017

Amendment date: June 17, 2019

### On this page:

1. Physical Delivery of Correspondence and Written Communications to CIPO
2. Electronic Correspondence
3. Details Concerning the Electronic Formats Accepted
4. General Information
5. Time Period Extensions
6. Procedures in Case of an Unexpected Office Closure at CIPO
7. Procedures when CIPO is Open to the Public but Clients are Unable to Communicate with the Office
8. Intellectual Property Acts, Rules and Regulation

This notice is intended to clarify the practice of the Canadian Intellectual Property Office with respect to correspondence procedures and written communications and replaces all previous notices.

### 1. Physical Delivery of Correspondence and Written Communications to CIPO

For the purposes of sections 5 and 54 of the Patent Rules, subsection 10(1) of the Trademarks Regulations, section 2 of the Copyright Regulations, section 4 of the Industrial Design Regulations and section 3 of the Integrated Circuit Topography

## 14. Procédures de correspondance

Date de publication : 10 mai 2017

Date de modification : 17 juin 2019

### Sur cette page :

1. Remise physique de correspondance et communications écrites à l'OPIC.
2. Correspondance électronique
3. Précisions concernant les formats électroniques acceptés
4. Renseignements généraux
5. Prorogation des délais
6. Procédures en cas de fermeture imprévue des bureaux de l'OPIC
7. Procédures à suivre lorsque l'Office est ouvert au public, mais les clients sont incapables de communiquer avec l'Office
8. Lois, règles et règlements sur la propriété intellectuelle

Le présent énoncé de pratique a pour but de préciser la pratique de l'Office de la propriété intellectuelle du Canada relativement aux procédures de correspondance et de communications écrites et remplace tout avis antérieur.

### 1. Remise physique de correspondance et communications écrites à l'OPIC

Pour l'application des articles 5 et 54 des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, de l'article 2 du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et de l'article

## Avis

Regulations, the address of the Patent Office, the Office of the Registrar of Trademarks, the Copyright Office, the Industrial Design Office, and the Office of the Registrar of Topographies (hereinafter sometimes collectively referred to as "CIPO") is:

Canadian Intellectual Property Office  
Place du Portage I  
50 Victoria Street, Room C-114  
Gatineau QC K1A 0C9

In accordance with subsections 5(2), 5(3), 54(1) and 54(2) of the Patent Rules, subsection 10(2) of the Trademarks Regulations, subsections 2(2) and (3) of the Copyright Regulations, subsection 5(1) of the Industrial Design Regulations and subsections 3(2) and (3) of the Integrated Circuit Topography Regulations, correspondence and written communications delivered to the above address between 8:30 a.m. to 4:30 p.m. (Eastern Time) Monday to Friday is deemed to have been received on the actual date of their delivery if they are delivered when CIPO is open to the public.

Correspondence delivered at a time when CIPO is closed to the public will be deemed or considered to have been received on the day on which CIPO is next open to the public.

Please be advised that once correspondence is received by CIPO it cannot be returned to the sender, even if the sender states that the correspondence was sent by mistake. Exceptionally, in cases where correspondence is related to a patent application that does not meet the requirements under subsection 27.1(1) of the Patent Act for obtaining a filing date, the documents will be returned to the sender.

The Fee Payment Form should always be submitted as a covering document and should be the only document submitted to CIPO that contains financial information, such as credit card numbers.

Download the [Fee Payment Form](#).

### 1.1 Designated Establishments

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 10(1) of the Trademarks Regulations, subsection 2(4) of the Copyright Regulations, section 4 of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the following are the designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be delivered **in person**. Please note that documents, payments and

3 du Règlement sur les topographies de circuits intégrés, l'adresse du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, du Bureau des dessins industriels, et du Bureau du registraire des topographies (ci-après parfois collectivement appelés « OPIC ») est la suivante :

Office de la propriété intellectuelle du Canada  
Place du Portage I  
50, rue Victoria, pièce C-114  
Gatineau (Québec) K1A 0C9

Conformément aux paragraphes 5(2), 5(3), 54(1) et 54(2) des Règles sur les brevets, du paragraphe 10(2) du Règlement sur les marques de commerce, des paragraphes 2(2) et (3) du Règlement sur le droit d'auteur, du paragraphe 5(1) du Règlement sur les dessins industriels et des paragraphes 3(2) et (3) du Règlement sur les topographies de circuits intégrés, la correspondance et les communications écrites ayant été remises à l'adresse ci-dessus entre 8h30 et 16h30 (Heure de l'Est) du lundi au vendredi seront réputées avoir été reçues le jour de leur remise, si elles sont remises alors que l'OPIC est ouvert au public.

La correspondance remise lorsque les bureaux de l'OPIC sont fermés au public sera réputée avoir été reçue le jour de la réouverture de l'OPIC au public.

Veuillez prendre note qu'une fois que l'OPIC reçoit de la correspondance, celle-ci ne peut pas être retournée à l'expéditeur, même si l'expéditeur indique que la correspondance a été envoyée par erreur. Exceptionnellement, dans le cas où la correspondance vise une demande de brevet qui ne rencontre pas les exigences du paragraphe 27.1(1) de la Loi sur les brevets pour l'obtention d'une date de dépôt, les documents seront retournés à l'expéditeur.

Le formulaire de paiements des frais devrait toujours être fourni comme page couverture et devrait être le seul document soumis à l'OPIC contenant de l'information financière telle que les numéros de carte de crédit.

Téléchargez le [formulaire de paiement des frais](#).

### 1.1 Établissements désignés

Pour l'application des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être remise **en personne** aux établissements ou bureaux désignés suivants. Veuillez

## Notices

payment instructions delivered to the addresses listed below **must be enclosed in a sealed envelope** and that **no in person payment transactions** are processed on site. The ordinary business hours for each designated establishment are listed below.

- Innovation, Science and Economic Development Canada  
C.D. Howe Building  
235 Queen Street, Room S-143  
Ottawa ON K1A 0H5  
Tel.: 343-291-3436

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday,  
except statutory holidays

- Innovation, Science and Economic Development Canada  
Sun Life Building  
1155 Metcalfe Street, Room 950  
Montreal QC H3B 2V6  
Tel.: 514-496-1797  
Toll-free: 1-888-237-3037

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday,  
except statutory holidays

- Innovation, Science and Economic Development Canada  
151 Yonge Street, 4th Floor  
Toronto ON M5C 2W7  
Tel.: 416-973-5000

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday,  
except statutory holiday

- Innovation, Science and Economic Development Canada  
Canada Place  
9700 Jasper Avenue, Suite 725  
Edmonton AB T5J 4C3  
Tel.: 780-495-4782  
Toll-free: 1-800-461-2646

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday,  
except statutory holidays

- Innovation, Science and Economic Development Canada  
Library Square  
300 West Georgia Street, Suite 2000  
Vancouver BC V6B 6E1

prendre note que les documents, paiements et instructions de paiements remis aux adresses énumérées ci-dessous doivent être **inclus dans une enveloppe scellée** et qu'**aucune transaction de paiement en personne** n'est traitée sur place. Les heures normales d'ouverture pour chaque établissement désigné sont indiquées ci-dessous.

- Innovation, Sciences et Développement économique Canada  
Édifice C.D. Howe  
235, rue Queen, pièce S-143  
Ottawa (Ontario) K1A 0H5  
Tél. : 343-291-3436

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

- Innovation, Sciences et Développement économique Canada  
Édifice Sun Life  
1155, rue Metcalfe, bureau 950  
Montréal (Québec) H3B 2V6  
Tél. : 514-496-1797  
Sans frais : 1-888-237-3037

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

- Innovation, Sciences et Développement économique Canada  
151, rue Yonge, 4e étage  
Toronto (Ontario) M5C 2W7  
Tél. : 416-973-5000

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

- Innovation, Sciences et Développement économique Canada  
Canada Place  
9700, avenue Jasper, pièce 725  
Edmonton (Alberta) T5J 4C3  
Tél. : 780-495-4782  
Sans frais : 1-800-461-2646

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

- Innovation, Sciences et Développement économique Canada  
Library Square  
300, rue Georgia Ouest, pièce 2000  
Vancouver (C.-B.) V6B 6E1  
Tél. : 604-666-5000

## Avis

Tel.: 604-666-5000

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday,  
except statutory holidays

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à  
l'exception des jours fériés

In accordance with subsections 5(4), 5(5), 54(3) and 54(4) of the Patent Rules, subsection 10(3) of the Trademarks Regulations, subsections 2(4) and (5) of the Copyright Regulations, subsection 5(2) of the Industrial Design Regulations and subsections 3(4) and (5) of the Integrated Circuit Topography Regulations, correspondence delivered to a designated establishment on a day when CIPO is open to the public will be deemed or considered to be received on the day on which they are delivered to that designated establishment. If CIPO is closed to the public, correspondence will be deemed or considered to be received on the day on which CIPO is next open to the public. For example, if correspondence intended for CIPO is delivered to the designated establishment in Toronto on June 24, it will not be considered to be received on June 24 as CIPO is closed on that day (St-Jean-Baptiste Holiday in Quebec). It will be deemed received on the day on which CIPO is next open to the public.

Conformément aux paragraphes 5(4), 5(5), 54(3) et 54(4) des Règles sur les brevets, au paragraphe 10(3) du Règlement sur les marques de commerce, aux paragraphes 2(4) et (5) du Règlement sur le droit d'auteur, au paragraphe 5(2) du Règlement sur les dessins industriels et aux paragraphes 3(4) et (5) du Règlement sur les topographies de circuits intégrés, la correspondance remise à l'un des établissements désignés susmentionnés lorsque les bureaux de l'OPIC sont ouverts au public sera réputée ou considérée avoir été reçue le jour de leur remise à cet établissement désigné. Si les bureaux de l'OPIC sont fermés au public, la correspondance sera réputée ou considérée avoir été reçue à le jour de la réouverture de l'OPIC au public. Par exemple, la correspondance adressée à l'OPIC remise à l'établissement désigné de Toronto le 24 juin ne sera pas considérée avoir été reçue le 24 juin puisque les bureaux de l'OPIC sont fermés ce jour-là (la Saint-Jean Baptiste est un jour férié au Québec). La correspondance sera alors réputée avoir été reçue le jour de la réouverture des bureaux de l'OPIC au public.

### 1.2. Registered Mail™ and Xpresspost™ services of Canada Post

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the Registered Mail™ and Xpresspost™ services of Canada Post are designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered.

CIPO considers that correspondence delivered through the Registered Mail™ and Xpresspost™ services of Canada Post is received by CIPO on the day indicated on the mailing receipt provided by Canada Post, or if CIPO is closed for business on that day, on the day when CIPO is next open for business.

### 1.2. Services Courrier recommandé<sup>MC</sup> et Xpresspost<sup>MC</sup> de Postes Canada

Pour l'application des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les services Courrier recommandé<sup>MC</sup> et Xpresspost<sup>MC</sup> de Postes Canada sont des établissements ou des bureaux désignés auxquels la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être remise.

L'OPIC considère que la correspondance remise par l'entremise des services Courrier recommandé<sup>MC</sup> et Xpresspost<sup>MC</sup> de Postes Canada sont reçus par l'OPIC le jour indiqué sur le reçu de confirmation de Postes Canada, en autant que l'OPIC soit ouvert au public ce jour-là. Si l'OPIC est fermé au public ce jour-là, la correspondance sera réputée ou considérée avoir été reçue le jour de la réouverture de l'OPIC au public.

## 2. Electronic Correspondence

For the purposes of section 8.1 of the Patent Act, subsection 64(1) of the Trademarks Act, subsection 24.1(1) of the Industrial Design Act and in accordance with subsections 5(6), 54(5), and 68(3) of the Patent Rules, subsection 10(4) of the Trademarks Regulations, subsection 2(6) of the Copyright

## 2. Correspondance électronique

Pour l'application de l'article 8.1 de la Loi sur les brevets, du paragraphe 64(1) de la Loi sur les marques de commerce, du paragraphe 24.1(1) de la Loi sur les dessins industriels, et conformément aux paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, au paragraphe 10(4) du Règlement sur les

## Notices

Regulations, subsection 10(3) of the Industrial Design Regulations, and subsection 3(6) of the Integrated Circuit Topography Regulations, correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be sent by facsimile, online or on an electronic medium only as provided in the current notice.

In accordance with subsection 54(5) of the Patent Rules, the request for national entry is the only correspondence addressed to the Commissioner in respect of an international application that can be submitted online or on an electronic medium with the exception of sequence listings, applications prepared using the PCT-SAFE software or prepared using WIPO's ePCT online service as specified in the current notice. Other correspondence submitted online or on an electronic medium in respect of international applications that have not entered the national phase will not be accepted.

Subsection 10(5) of the Trademarks Regulations specifies certain categories of correspondence to which the provisions of subsection 10(4) do not apply.

Correspondence sent by facsimile or online to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies constitutes the original, therefore a duplicate paper copy should not be forwarded.

Correspondence delivered to the Commissioner of Patents by electronic means of transmission, including facsimile, will be considered to be received on the day that it is transmitted if delivered and received before midnight local time at CIPO on a day when CIPO is open for business. When CIPO is closed for business, correspondence delivered on that day will be considered to be received on the next day on which CIPO is open for business.

Correspondence delivered to the Registrar of Trademarks or the Industrial Design Office by electronic means of transmission, including facsimile, is deemed to have been received on the day on which CIPO receives it (Eastern Time).

### 2.1 Facsimile

Black and white facsimile correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be sent to the following facsimile numbers:

marques de commerce, au paragraphe 2(6) du Règlement sur le droit d'auteur, au paragraphe 10(3) du Règlement sur les dessins industriels et au paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être transmise par télécopieur, en ligne ou à l'aide d'un support électronique et ce, seulement de la manière indiquée dans le présent énoncé.

Conformément au paragraphe 54(5) des Règles sur les brevets, la demande d'entrée en phase nationale d'une demande internationale est la seule correspondance adressée au commissaire qui peut être présentée en ligne ou sur support électronique, à l'exception des listages de séquences, des demandes préparées à l'aide du logiciel PCT-SAFE ou préparées à l'aide du service en ligne ePCT de l'OMPI, tel qu'indiqué dans le présent avis. Toute autre correspondance présentée en ligne ou sur support électronique relativement à des demandes internationales qui ne sont pas entrées dans la phase nationale ne sera pas acceptée.

Le paragraphe 10(5) du Règlement sur les marques de commerce prévoit certaines catégories de correspondance auxquelles les dispositions du paragraphe 10(4) ne s'appliquent pas.

La correspondance envoyée par télécopieur ou en ligne au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies constitue une version originale. Par conséquent, un duplicata sur support papier ne devrait pas être expédié.

La correspondance livrée au commissaire aux brevets et reçue par voie électronique, y compris par télécopieur, est considérée comme ayant été reçue à l'OPIC le jour même de sa transmission, si elle est livrée avant minuit, heure locale, lorsque les bureaux de l'OPIC sont ouverts au public. Si elle est transmise un jour où les bureaux de l'OPIC sont fermés au public, elle est considérée comme ayant été reçue à la date du jour d'ouverture suivant de l'OPIC.

La correspondance fournie au registraire des marques de commerce ou transmise au Bureau des dessins industriels par voie électronique, y compris par télécopieur, est réputée avoir été reçue le jour où l'OPIC l'a reçue (Heure de l'Est).

### 2.1 Correspondance par télécopieur

La correspondance en noir et blanc par télécopieur adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être transmise aux numéros ci-dessous :

819-953-OPIC (6742) ou 819-953-CIPO (2476)

## Avis

(819) 953-CIPO (2476) or (819) 953-OPIC (6742)

Colour facsimile correspondence addressed to the Registrar of Trademarks or the Industrial Design Office **must** be sent to the following facsimile number:

(819) 934-3833

Note that the model of facsimile is a Xerox C505/X and that this information may be needed to ensure a successful colour transmission.

Facsimile correspondence that is sent to any facsimile number other than those indicated above, including those of a designated establishment, will be considered not to have been received.

Evidence submitted by facsimile in respect of an opposition or section 45 proceeding **will not be accepted** due to issues such as the often-poor quality of transmission, the risk of incomplete transmission and the voluminous nature of the documents.

The electronic transmittal report returned to you following your facsimile transmission will constitute your acknowledgment receipt. Confidentiality of the facsimile transmission process cannot be guaranteed. Please note that CIPO strongly discourages the use of a computer facsimile interface or internet-based facsimile services due to technical issues with reception.

When submitting by facsimile a document that also has a fee requirement, notification of the preferred mode of payment to be applied must be prominently displayed on the Fee Payment Form to ensure expedient processing.

La correspondance en couleur par télécopieur (modèle : Xerox C505/X) adressée au registraire des marques de commerce ou au Bureau des dessins industriels doit être transmise au numéro ci-dessous :

(819) 934-3833

À noter que le modèle de télécopieur est un Xerox C505/X; information qui peut être nécessaire afin de compléter une transmission en couleur.

La correspondance qui est transmise par télécopieur à tout autre numéro de télécopieur que ceux qui sont indiqués ci-dessus, y compris ceux d'établissements désignés, sera considérée comme n'ayant pas été reçue.

Les éléments de preuve présentés par télécopieur dans le cadre d'une procédure d'opposition ou de radiation en vertu de l'article 45 de la Loi **ne seront pas acceptés** en raison des inconvenients reliés à la mauvaise qualité de la transmission, au risque que la transmission soit incomplète et à la nature volumineuse de ces documents.

Le rapport de transmission électronique que vous recevrez après votre transmission par télécopieur constituera votre accusé de réception. La confidentialité du processus de transmission électronique ne peut pas être garantie. Veuillez noter que l'OPIC décourage fortement l'utilisation d'une interface de télécopie par ordinateur ou de services de télécopie par le biais d'internet étant donné les problèmes techniques probables avec la réception.

Lors de la transmission par télécopieur d'un document comprenant une demande d'acquittement de droit ou taxe, il faut clairement indiquer le mode de paiement préféré sur le formulaire de paiements des frais afin d'assurer un traitement rapide.

## Patents

The document presentation requirements set out in sections 69 and 70 of the Patent Rules apply to facsimile correspondence.

## 2.2 Online

Correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent electronically using the relevant links below.

## Patents

For the purpose of subsection 5(6) of the Patent Rules, correspondence addressed to the Commissioner may be sent

## Brevets

Les exigences relatives à la présentation des documents énoncées aux articles 69 et 70 des Règles sur les brevets s'appliquent à la correspondance par télécopieur.

## 2.2 En ligne

La correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par voie électronique.

## Brevets

Pour l'application du paragraphe 5(6) des Règles sur les brevets, la correspondance adressée au commissaire peut être envoyée par voie électronique, notamment en accédant aux

## Notices

electronically by accessing the following pages:

- [filing an application](#) (regular application);
- [filing a request for national entry](#);
- [filing an international application](#) (PCT Safe or ePCT);
- [general correspondence relating to applications and patents](#);
- [maintaining the name of a patent agent on the register of patent agents](#); and
- [ordering copies in paper, or electronic form of a document](#).

### Canada as Receiving Office Under the PCT: PCT-SAFE

Pursuant to PCT Rule 89bis, CIPO, in its role as a receiving Office, accepts the electronic filing of an international application prepared using the latest version of the WIPO's PCT-Safe software and applications prepared using WIPO's ePCT online service. Filing in both cases must be done using CIPO's International Filing e-service, called [PCT E-Filing](#).

**Note:** Correspondence related to PCT international applications can not be sent electronically to CIPO. Correspondence may be sent by mail, by facsimile or delivered by hand to CIPO or to a [designated establishment](#).

### Trademarks

For the purpose of subsection 10(4) of the Trademarks Regulations, the following correspondence addressed to the Registrar of Trademarks may be sent electronically by accessing the following pages:

- [filing a new or revised trademark application](#);
- [renewal of a trademark registration](#);
- [request to enter a name on the list of trademark agents](#);
- [annual renewal of a trademark agent](#);
- [requesting copies of trademark documents](#);
- [registration of a trademark application](#);

For the purpose of subsection 10(4) of the Trademarks Regulations, correspondence addressed to the Registrar of Trademarks in the context of opposition and section 45 proceedings may be sent electronically by accessing the

pages suivantes :

- [déposer une demande](#) (demande régulière);
- [déposer une demande d'entrée dans la phase nationale](#);
- [déposer une demande internationale](#) (PCT Safe ou ePCT);
- [correspondance générale concernant des demandes et des brevets](#);
- [maintien du nom d'un agent de brevets dans le registre des agents de brevets](#);
- [commande de copies papier ou d'un document sous forme électronique](#).

### Le Canada comme office récepteur au titre du PCT : PCT-SAFE et ePCT

Conformément à la Règle 89bis du PCT, l'OPIC, à titre d'office récepteur, accepte le dépôt d'une demande internationale préparée à l'aide de la plus récente version du logiciel PCT-SAFE de l'OMPI, et d'une demande préparée à l'aide du service en ligne ePCT de l'OMPI. Dans les deux cas, le dépôt doit se faire à l'aide du service électronique de dépôt de demandes internationales de l'OPIC, appelé [Dépôt en ligne de demandes PCT](#).

**Note:** La correspondance liée aux demandes internationales PCT ne peut être envoyée par voie électronique à l'OPIC. La correspondance peut être envoyée par courrier, par télecopieur ou remis en mains à l'OPIC ou à un [établissement désigné](#).

### Marques de commerce

Pour l'application du paragraphe 10(4) du Règlement sur les marques de commerce, la correspondance adressée au registraire des marques de commerce peut être envoyés par voie électronique, notamment en accédant aux pages suivantes :

- [nouvelle demande ou demande modifiée d'enregistrement de marque de commerce](#);
- [renouvellement de l'enregistrement d'une marque de commerce](#);
- [demande d'inscription d'un nom à la liste des agents de marques de commerce](#);
- [renouvellement annuel d'un agent de marques de commerce](#);
- [commande de copies de documents de marques de commerce](#),
- [l'enregistrement d'une marque de commerce](#)

Pour l'application du paragraphe 10(4) du Règlement sur les marques de commerce, la correspondance adressée au registraire des marques de commerce dans le cadre des procédures d'opposition ou de radiation en vertu de l'article 45 peut être envoyée par voie électronique en accédant à [l'application web en ligne de la Commission des oppositions](#)

## [Trademarks Opposition Board's online web application:](#)

### *Opposition proceedings before the Trademarks Opposition Board*

- filing a statement of opposition;
- filing of a counter statement;
- submission of the opponent's evidence, or statement;
- submission of the applicant's evidence, or statement;
- submission of the opponent's reply evidence;
- submission of the opponent's written representations, or statement;
- submission of the applicant's written representations, or statement;
- filing a request for a hearing; and
- requesting an extension of time.

### *Section 45 proceedings before the Trademarks Opposition Board*

- filing a request for a section 45 notice;
- submission of the registered owner's evidence;
- submission of the requesting party's written representations, or statement;
- submission of the registered owner's written representations, or statement;
- filing a request for a hearing; and
- requesting an extension of time.

## **Avis**

### [des marques de commerce.](#)

### *Procédures d'opposition devant la Commission des oppositions des marques de commerce*

- production d'une déclaration d'opposition;
- Production d'une contre-déclaration d'opposition;
- Production de la preuve de l'opposant, ou d'une déclaration;
- Production de la preuve du requérant, ou d'une déclaration;
- Production de la contre-preuve de l'opposant;
- Production des arguments écrits de l'opposant, ou déclarations;
- Soumission des arguments écrits du requérant, ou déclarations;
- Produire une demande pour une audience; et
- demande de prolongation de délai.

### *Procédures en vertu de l'article 45 devant la Commission des oppositions des marques de commerce*

- Production d'une demande pour un avis en vertu de l'article 45;
- Production de la preuve du propriétaire inscrit;
- Production des arguments écrits de la demanderesse, ou déclaration;
- Production des arguments écrits du propriétaire inscrit, ou déclaration;
- Produire une demande pour une audience; et
- Demande de prolongation de délai.

## **Copyright**

For the purpose of subsection 2(6) of the Copyright Regulations, the following correspondence addressed to the Copyright Office may be sent electronically, by accessing the following pages:

- [application for registration of a copyright in a work,](#)
- [application for registration of a copyright in a performer's performance, sound recording or a communication signal;](#)
- [filings of a grant of interest;](#)
- [request for certificate of correction;](#)
- [ordering copies in paper, or electronic form of a document;](#) and
- [general correspondence relating to copyright.](#)

## **Droits d'auteur**

Pour l'application du paragraphe 2(6) du Règlement sur le droit d'auteur, la correspondance indiquée ci-dessous qui est adressée au Bureau du droit d'auteur peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- [demande d'enregistrement d'un droit d'auteur sur une œuvre,](#)
- [demande d'enregistrement d'un droit d'auteur sur une prestation, un enregistrement sonore ou un signal de communication;](#)
- [dépôt d'une concession d'intérêt;](#)
- [demande de certificat de correction;](#)
- [commande de copies des documents papier ou électroniques](#) et
- [correspondance générale relative aux droits d'auteur.](#)

## Notices

### Industrial Designs

For the purpose of subsection 24.1(1) of the Industrial Design Act, the following correspondence addressed to the Industrial Design Office may be sent electronically, by accessing the following pages:

- [application for registration of an industrial design](#);
- [ordering copies in paper, or electronic form of a document](#);
- [general correspondence relating to industrial designs](#);  
and
- [payment of industrial design maintenance fees](#).

### Dessins industriels

Pour l’application du paragraphe 24.1(1) de la Loi sur les dessins industriels, la correspondance indiquée ci-dessous qui est adressée au Bureau des dessins industriels peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- [demande d'enregistrement d'un dessin industriel](#);
- [commande de copies de documents papier ou électroniques](#);
- [correspondance générale relative aux dessins industriels](#); et
- [paiement des droits de maintien des dessins industriels](#).

### Integrated Circuit Topographies

For the purpose of subsection 3(6) of the Integrated Circuit Topography Regulations, the following correspondence addressed to the Registrar of Topographies may be sent electronically, by accessing the following page:

- [general correspondence relating to integrated circuit topographies](#).

### 2.3 Electronic medium

**Note:** all electronic media must be free of worms, viruses or other malicious content. Files with malicious content will be deleted.

### Patents

The Patent Office will accept correspondence on various types of electronic medium as specified below. The electronic medium should contain a table of contents and be provided with a cover letter, which will be date stamped by CIPO and placed in the application file. Filing date requirements prescribed in the Patent Rules still remain.

When submitted on an electronic medium, the parts of the application must be logically broken down in files, which are no larger than 25 megabytes.

With regards to sequence listings under Rule 111 of the Patent Rules, the electronic medium must be separate from any electronic medium which may be filed containing parts of the application itself or amendment(s) thereof.

### Topographies de circuits intégrés

Pour l’application du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance indiquée ci-dessous qui est adressée au registraire des topographies peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- [correspondance générale relative aux topographies de circuits intégrés](#).

### 2.3 Supports électroniques

**Note :** Les supports électroniques doivent être exempts de ver informatique, de virus, ou de tout autre contenu malveillant. Les fichiers qui comprennent du contenu malveillant seront supprimés.

### Brevets

Le Bureau des brevets acceptera la correspondance transmise à l'aide de divers supports électroniques, tel qu'indiqué ci-dessous. Le support électronique devrait contenir une table des matières et être accompagné d'une lettre explicative, laquelle sera datée par l'OPIC et placée dans le dossier de la demande. Les exigences relatives à la date de dépôt énoncées dans les Règles sur les brevets resteront applicables.

Les parties d'une demande qui sont présentées sur support électronique doivent être logiquement réparties en fichiers de 25 mégaoctets au maximum.

En ce qui concerne les listages des séquences prévus à l'article 111 des Règles sur les brevets, le support électronique doit être distinct de tout support électronique qui peut être déposé et qui contient des parties de la demande elle-même ou des

## Avis

modifications relatives à la demande.

### **Canada as Receiving Office Under the PCT: Electronic Filing of Sequence Listings**

Pursuant to PCT Rules 89bis and 89ter, and in accordance with Part 7 of the PCT Administrative Instructions, where an international application contains disclosure of one or more nucleotide and/or amino acid sequence listings, CIPO, in its role as a receiving Office, accepts that the sequence listing part of the description and/or any table related to the sequence listing(s) be filed, at the option of the applicant:

- i. only on an electronic medium in electronic form in accordance with section 702 of Part 7 of the PCT Administrative Instructions; or
- ii. both on an electronic medium in electronic form and on paper in accordance with section 702 of Part 7 of the PCT Administrative Instructions;

provided that the other elements of the international application are filed as otherwise provided for under the PCT.

The sequence listing part of an international application filed in electronic form and related tables filed in electronic form shall comply with the relevant provisions of Annex C and C-bis of the PCT Administrative Instructions respectively.

For this purpose the Canadian receiving Office will accept any electronic media specified in Annex F of the PCT Administrative Instructions. Where both the sequence listing and the tables are filed in electronic form, the listing and the tables shall be contained on separate electronic media, which shall contain no other programs or files.

For the purpose of processing the international application, the Canadian receiving Office requires two (2) additional copies of the electronic media containing the sequence listing and/or tables in electronic form, accompanied by a statement that the sequence listings and/or tables contained in the copies are identical to those in electronic form as filed.

For further details concerning the filing of sequence listings and/or tables in electronic form, including the labeling of the electronic media and the calculation of the international filing fee, refer to section 7 of the PCT Administrative Instructions.

### **Electronic Media accepted by the Patent Office**

The Patent Office will accept 3.5 inch diskette, CD-ROM, CD-

### **Le Canada comme office récepteur au titre du PCT : Dépôt électronique des listages de séquences**

Conformément aux Règles 89bis et 89ter du PCT et à la Partie 7 des Instructions administratives du PCT, lorsqu'une demande internationale contient la divulgation d'un ou de plusieurs listages des séquences de nucléotides et/ou d'acides aminés, à titre d'office récepteur l'OPIC accepte le dépôt de la partie de la description contenant les listages des séquences et/ou de tout tableau relatif aux listages des séquences et ce, à la discréTION du requérant :

- i. seulement sous forme électronique et sur support électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT, ou
- ii. sur support papier et sur support électronique sous forme électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT,

à condition que les autres éléments de la demande internationale soient déposés conformément aux dispositions du PCT.

Dans une demande internationale déposée sous forme électronique, la partie qui contient le listage des séquences et les tableaux connexes seront conformes aux dispositions pertinentes de l'Annexe C et de l'Annexe C-bis des Instructions administratives du PCT, respectivement.

À cette fin, l'office récepteur canadien acceptera tout support électronique prévu à l'Annexe F des Instructions administratives du PCT. Lorsque le listage des séquences et les tableaux sont déposés sous forme électronique, ils le seront sur des supports électroniques distincts ne contenant pas d'autres programmes ni fichiers.

Aux fins du traitement de la demande internationale, l'office récepteur canadien exige deux (2) copies supplémentaires du support électronique contenant le listage de séquences et/ou les tableaux sous forme électronique, accompagnées d'une déclaration indiquant que le listage des séquences et/ou les tableaux contenus dans les copies sont identiques à ceux qui ont été déposés sous forme électronique.

On trouvera à l'article 7 des Instructions administratives du PCT des détails supplémentaires sur le dépôt de listages des séquences et/ou de tableaux sous forme électronique, notamment sur l'étiquetage des supports électroniques et le calcul de la taxe de dépôt internationale.

### **Supports électroniques acceptés par le Bureau des brevets**

Le Bureau de brevets acceptera des disquettes 3,5 pouces, CD-

## Notices

R, DVD, DVD-R and any format as specified in Annex F of the PCT Administration Instructions.

## Trademarks and Industrial Design

The Office of the Registrar of Trademarks and the Industrial Design Office will accept the following types of electronic media: CD-ROM, CD-R, DVD, DVD-R, and USB stick.

## 3. Details Concerning the Electronic Formats Accepted

### Patents

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, the acceptable file formats for documents submitted electronically site using the relevant links set out in [section 2.2](#) of these correspondence procedures or on electronic media are TIFF and PDF. In order to get a correspondence date, the office will accept documents initially filed in other formats provided they are viewable with the software "Stelligent Quick View Plus 8.0.0". In these cases, the office will request the documents to be replaced by documents in PDF or TIFF and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

Sequence listings can be initially provided in TIFF, PDF or in ASCII file formats. However, as a completion requirement according to section 94 of the Patent Rules, a sequence listing in the ASCII format compliant with the "PCT sequence listing standard" has to be submitted. Therefore, CIPO encourages applicants to submit the sequence listings in the ASCII format in the first place.

When applicable, the Patent Office will accept files in the TIFF, PDF and ASCII format when they comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- Resolution of either 300 or 400 dpi;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11" or A4.

PDF Format:

- Adobe Portable Document Format Version 1.4 compatible;
- Non-compressed text to facilitate searching;

ROM, CD-R, DVD, DVD-R et tout format spécifié à l'Annexe F des Instructions administratives du PCT.

## Marques de commerce et dessins industriels

Le Bureau du registraire des marques de commerce et le Bureau des dessins industriels acceptent les supports électroniques suivants : CD ROM, CD-R, DVD, DVD-R, et clé USB.

## 3. Précisions concernant les formats électroniques acceptés

### Brevets

Conformément à l'article 8.1 de la Loi sur les brevets et aux fins des paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à [l'article 2.2](#) des présentes procédures de correspondance ou sur support électronique sont les formats TIFF et PDF. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats à condition qu'ils soient consultables à l'aide du logiciel « Stelligent Quick View Plus 8.0.0 ». Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers en format PDF ou TIFF, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents initialement déposés.

Les listages des séquences peuvent être initialement déposés sous forme de fichiers TIFF, PDF ou ASCII. Toutefois, afin de compléter la demande, conformément à l'article 94 des Règles sur les brevets, un listage des séquences en format ASCII conforme à la Norme PCT de listage des séquences devra être présenté. L'OPIC encourage donc les demandeurs à déposer les listages de séquences en format ASCII dès le départ.

Le cas échéant, le Bureau des brevets acceptera des fichiers en format TIFF, PDF et ASCII s'ils sont conformes aux spécifications suivantes :

Format TIFF

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- Résolution : 300 ou 400 ppp
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po ou A4.

Format PDF

- Compatible avec Adobe Portable Document Format Version 1.4

## Avis

- Unencrypted text;
- No embedded OLE objects;
- All fonts must be embedded and licensed for distribution.

- Texte non comprimé, pour faciliter la recherche
- Texte non chiffré
- Pas d'objets OLE incorporés
- Toutes les polices de caractère doivent être incorporées et leur distribution doit être autorisée.

## ASCII

- Shall be encoded using IBM Code Page 437, IBM Code Page 932 or a compatible code page.

## ASCII

- Le texte sera encodé à l'aide des pages de codes IBM 437 ou IBM 932 ou d'une page de codes compatible.

## Trademarks

For the purposes of subsection 64(1) of the Trademarks Act, the acceptable file formats for documents submitted electronically using the relevant links set out in [section 2.2](#) of these correspondence procedures are: PNG, TIFF, JPEG, GIF, MP3, MP4, PDF, BMP and Doc.

## Industrial Design

For the purposes of subsection 24.1(1) of the Industrial Design Act, the acceptable file formats for documents, other than a representation of a design, submitted electronically are WPD, DOC, DOCX and PDF. The acceptable file formats for the representation of a design are PDF, JPEG, TIFF and GIF. The file size limit is of 60MB for PDF, 10MB for the other file formats. The scanned/stored images should be of a resolution of at least 300 dpi and the dimensions must be of 21.59 cm by 27.94 cm (8.5 in by 11 in).

Note that the conversion of files to an acceptable format may result in a change to the quality of the drawings.

## Marques de commerce

Pour l'application du paragraphe 64(1) de la Loi sur les marques de commerce, les formats de fichiers acceptables pour les documents fournis par un moyen électronique énoncé à la [section 2.2](#) des présentes procédures de correspondance sont : PNG, TIFF, JPEG, GIF, MP3, MP4, PDF, BMP et Doc.

## Dessins industriels

Pour l'application du paragraphe 24.1(1) de la Loi sur les dessins industriels, les formats de fichiers acceptables pour les documents autres que la représentation d'un dessin, transmis par voie électronique sont : WPD, DOC, DOCX, PDF. Les formats de fichiers acceptables pour la représentation d'un dessin sont PDF, JPEG, TIFF, et GIF. La taille maximale est de 60MB pour le format PDF et de 10MB pour tout autre format. L'image numérisée/stockée devrait être dans une résolution d'au moins 300 dpi et les dimensions doivent être de 21,59 cm par 27,94 cm (8,5 po par 11 po)

Veuillez noter que la conversion de fichiers vers un format acceptable pourrait résulter en un changement à la qualité des dessins.

## 4. General Information

General information may be obtained by communicating with CIPO's [Client Service Centre](#).

## 4. Renseignements généraux

Des renseignements généraux peuvent être obtenus en communiquant avec [le Centre de services à la clientèle de l'OPIC](#).

## 5. Time Period Extensions

- [Time period extensions under the Patent, Trademarks and Industrial Design Acts](#)
- [Time period extensions under the Copyright and Integrated Circuit Topography Acts](#)
- [Time period extensions under the Patent Cooperation](#)

## 5. Prorogation des délais

- [Prorogation des délais en vertu des les Lois sur les brevets, les marques de commerce, et les dessins industriels](#)
- [Prorogation des délais en vertu des les Lois sur le droit d'auteur et les topographies de circuits intégrés](#)
- [Prorogation des délais en vertu du le Traité de](#)

## Notices

- Treaty**
  - [Time period extensions under the Madrid Protocol and the Hague Agreement](#)
  - [coopération en matière de brevets](#)
  - [Prorogation des délais en vertu du Protocole de Madrid et de l'Arrangement de La Haye](#)

### Time period extensions under the Patent, Trademarks and Industrial Design Acts

For the purposes of subsection 78(1) of the Patent Act, subsection 66(1) of the Trademarks Act, and subsection 21(1) of the Industrial Design Act, any time period fixed under those Acts and ending on 1) a **prescribed day** set out in the list below or 2) a **designated day** on account of unforeseen circumstances, will be extended to the next day that is not a prescribed day or a designated day and where CIPO is open to the public.

**Designated days** are those days that are designated by the Commissioner, the Registrar, or the Minister, on account of unforeseen circumstances and if they are satisfied that it is in the public interest to do so. If a day is designated, the public will be informed of that fact on CIPO's website.

**Prescribed days** under the Patent Act, Trademarks Act and Industrial Design Act are as follows:

- Every Saturday and Sunday;
- New Year's Day (January 1)\*;
- Good Friday;
- Easter Monday;
- Victoria Day: First Monday immediately preceding May 25;
- St. Jean Baptiste Day (June 24)\*;
- Canada Day (July 1)\*;
- The first Monday in August;\*\*\*
- Labour Day: First Monday in September;
- Thanksgiving Day: Second Monday in October;
- Remembrance Day (November 11)\*;
- Christmas Day (December 25)\*\*;
- Boxing Day (December 26)\*\* ;
- Any day on which CIPO is closed to the public for all or part of that day during ordinary business hours.

\*In the case of New Year's Day, St. Jean Baptiste Day, Canada Day and Remembrance Day, if the day falls on a Saturday or Sunday, deadlines will be extended to the following Tuesday.

\*\*If December 25 falls on a Friday, deadlines will be extended to the following Tuesday. If December 25 falls on a Saturday or Sunday, any time periods ending on December 25 or December 26 will be extended to the following Wednesday.

\*\*\*Please note that the Office is open to the public on the first Monday in August. Any time period which expires on that day will be extended to the next day the Office is open to the public

### Prorogation des délais prévus par les Lois sur les brevets, les marques de commerce, et les dessins industriels

Pour l'application du paragraphe 78(1) de la Loi sur les brevets, du paragraphe 66(1) de la Loi sur les marques de commerce, et du paragraphe 21(1) de la Loi sur les dessins industriels, tout délai fixé sous le régime de ces lois et qui expire 1) un **jour prescrit ou règlementaire** tel qu'indiqué dans la liste ci-dessous, ou 2) un **jour désigné** en raison de circonstances imprévues, sera prorogé jusqu'au jour suivant qui n'est ni un jour prescrit ni un jour désigné et où l'OPIC est ouvert au public.

Les **jours désignés** sont les jours désignés par le commissaire, le registraire, ou le ministre, où, en raison de circonstances imprévues, s'il est dans l'intérêt public de le faire. Si un jour est désigné, le public en sera informé sur le site web de l'OPIC.

Les **jours prescrits ou règlementaires** en vertu de la Loi sur les brevets, de la Loi sur les marques de commerce et de la Loi sur les dessins industriels sont les suivants :

- Tous les samedis et dimanches;
- Nouvel An (1<sup>er</sup> janvier)\*;
- Vendredi Saint;
- Lundi de Pâques;
- Fête de la Reine ou Journée nationale des patriotes : Premier lundi immédiatement avant le 25 mai;
- Saint-Jean-Baptiste (24 juin)\*;
- Fête du Canada (1<sup>er</sup> juillet)\*;
- Le premier lundi du mois d'août\*\*\*;
- Fête du travail : Premier lundi du mois de septembre;
- Action de Grâce : Deuxième lundi du mois d'octobre;
- Jour du Souvenir (11 novembre)\*;
- Jour de Noël (25 décembre)\*\*;
- Lendemain de Noël\*\* ;
- Tout jour où l'OPIC est fermé au public pendant tout ou une partie des heures normales d'ouverture de l'OPIC au public.

\*Si le Nouvel An, la Saint-Jean-Baptiste, la Fête du Canada, ou le Jour du Souvenir est un samedi ou un dimanche, les délais seront prorogés au mardi suivant.

\*\*Si le 25 décembre est un vendredi, les délais seront prorogés au mardi suivant. Si le 25 décembre est un samedi ou un dimanche, les délais seront prorogés au mercredi suivant.

\*\*\*Veuillez noter que les Bureaux sont ouverts au public le

## Avis

(first Tuesday in August). However, any correspondence or fees submitted to the Office on that day will be deemed or considered received on that day.

Extensions for prescribed days occur regardless of place of residence or of the establishment to which documents are delivered.

Please be aware that not all provincial and territorial holidays are days where deadlines are extended. It is recommended that clients be mindful and ensure that all deadlines are respected.

## Time period extensions under the Copyright and Integrated Circuit Topography Acts

In accordance with section 26 of the Interpretation Act, any person choosing to deliver a document to CIPO or a designated establishment (including the Registered Mail™ and Xpresspost™ services of Canada Post) where a federal, provincial or territorial holiday exists, is entitled to an extension of any time limit for the filing of the document that expires on the holiday, until the next day that is not a holiday. It is to be noted, in respect of provincial and territorial holidays, that the entitlement to the extension is dependent on the establishment to which the document is delivered and not on the place of residence of the person for whom the document is filed or of their agent. For this purpose, documents transmitted to CIPO by electronic means, including by facsimile, would be considered to be delivered to CIPO's offices in Gatineau, Quebec.

CIPO has no practical way of keeping track of the establishment to which documents are delivered. Accordingly, where a person has a time limit for the filing of a document that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. In such circumstances, it will be the responsibility of the person filing the document to ensure that he or she is properly entitled to any needed extension of the time limit.

## Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

If the expiration of any period during which any document or fee must reach a national Office or intergovernmental

first lundi du mois d'août. Tout délai qui expire ce jour-là sera prorogé au prochain jour ouvrable (premier mardi du mois d'août). Cependant, toute correspondance, droits ou taxes fournis au Bureau ce jour-là seront réputés ou considérés avoir été reçus à cette date.

La prorogation de délai concernant les jours prescrits ou réglementaires s'appliquent nonobstant du lieu de résidence ou du lieu de l'établissement auquel les documents ont été remis.

Veuillez noter que ce ne sont pas tous les jours fériés provinciaux ou territoriaux qui sont des jours prescrits ou réglementaires pour lesquels un délai peut être prorogé. Il est recommandé que les clients soient attentifs et s'assurent que tout délai soit respecté.

## Prorogation des délais prévus par les Lois sur le droit d'auteur et sur les topographies de circuits

Selon l'article 26 de la Loi d'interprétation, lorsqu'une personne choisit de livrer un document à l'OPIC ou à un établissement désigné (y compris un bureau régional d'Innovation, Sciences et Développement économique Canada ou le service Courrier recommandé™, ou par Xpresspost™ de Postes Canada) dans une province où il y a un jour férié fédéral, provincial ou territorial, tout délai fixé pour le dépôt du document, qui expire un jour férié peut être prorogé jusqu'au jour non férié suivant. Dans le cas d'un jour férié provincial ou territorial, il convient de souligner que le droit à la prorogation dépend de l'établissement auquel le document est livré et non du lieu de résidence de la personne pour laquelle le document est déposé ou de son agent. À cet égard, les documents envoyés à l'OPIC par un moyen électronique, y compris par télécopieur, sont réputés être livrés aux bureaux de l'OPIC à Gatineau, au Québec.

En pratique, l'OPIC n'a aucun moyen de faire le suivi relativement aux établissements auxquels des documents sont livrés. Par conséquent, si le délai pour le dépôt d'un document tombe un jour férié provincial ou territorial et qu'une personne le livre seulement le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement qui justifierait une prorogation du délai. Dans de telles circonstances, il incombe au déposant de s'assurer qu'il a droit à une telle prorogation.

## Prolongations de délais prévus au Traité de coopération en matière de brevets

La règle 80.5 du Règlement d'exécution du PCT prévoit ce qui suit :

Si un délai quelconque pendant lequel un document ou une taxe doit parvenir à un office national ou à une organisation

## Notices

organization falls on a day:

- i. on which such Office or organization is not open to the public for the purposes of the transaction of official business;
- ii. on which ordinary mail is not delivered in the locality in which such Office or organization is situated;
- iii. which, where such Office or organization is situated in more than one locality, is an official holiday in at least one of the localities in which such Office or organization is situated, and in circumstances where the national law applicable by that Office or organization provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day; or
- iv. which, where such Office is the government authority of a Contracting State entrusted with the granting of patents, is an official holiday in part of that Contracting State, and in circumstances where the national law applicable by that Office provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day;

the period shall expire on the next subsequent day on which none of the said four circumstances exists.

## Time period extensions under the Madrid Protocol and the Hague Agreement

If a period within which a communication must be received by the International Bureau of the World Intellectual Property Office would expire on a day on which the International Bureau is not open to the public, it will expire on the next subsequent day on which the International Bureau is open. Likewise, if the period within which a communication (such as a notification of refusal of protection) must be sent by CIPO to the International Bureau would expire on a day on which CIPO is not open to the public, it will expire on the next subsequent day on which CIPO is open.

A list of the days on which the International Bureau is closed to the public during the current and the following calendar year is available on the [WIPO website](#).

## 6. Procedures in Case of an Unexpected Office Closure at CIPO

In case of unforeseen circumstances, CIPO will attempt to

intergouvernementale expire un jour :

- i. où cet office ou cette organisation n'est pas ouvert au public pour traiter d'affaires officielles;
- ii. où le courrier ordinaire n'est pas délivré dans la localité où cet office ou cette organisation est situé;
- iii. qui, lorsque cet office ou cette organisation est situé dans plus d'une localité, est un jour férié dans au moins une des localités dans lesquelles cet office ou cette organisation est situé, et dans le cas où la législation nationale applicable par cet office ou cette organisation prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant; ou
- iv. qui, lorsque cet office est l'administration gouvernementale d'un État contractant chargée de délivrer des brevets, est un jour férié dans une partie de cet État contractant, et dans le cas où la législation nationale applicable par cet office prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant;

Le délai prend fin le premier jour suivant auquel aucune de ces quatre circonstances n'existe plus.

## Prorogation des délais en vertu du Protocole de Madrid et de l'Arrangement de La Haye

Si un délai à l'intérieur duquel une communication doit être reçue par le Bureau international de l'Organisation mondiale de propriété intellectuelle expire un jour où le Bureau international n'est pas ouvert au public, le délai expirera lors du premier jour suivant où le Bureau international est ouvert au public. Similairement, si un délai à l'intérieur duquel une communication (tel qu'une notification de refus de la protection) doit être envoyée par l'OPIC au Bureau international expire un jour où les bureaux de l'OPIC sont fermés au public, ce délai expirera lors du premier jour suivant la réouverture de l'OPIC.

Une liste des jours pendant lesquels le Bureau international est fermé au public pendant l'année civile en cours et à venir est disponible [sur le site web de l'OMPI](#).

## 6. Procédures en cas de fermeture des bureaux

Lors de circonstances imprévues, l'OPIC s'efforcera de

## Avis

remain open to the public and ensure that essential service to our clients continues with the least possible disruption or delay.

In accordance with paragraph 27.01(n) of the Patent Rules, paragraph 15(n) of the Trademarks Regulations and paragraph 36(n) of the Industrial Design Regulations, whenever CIPO is closed to the public, for all or part of a day during ordinary business hours, including closures due to extraordinary circumstances, time periods will be extended to the next day that is not a prescribed or a designated day and where CIPO is open to the public.

For Copyright and Integrated Circuit Topography, if CIPO is closed to the public due to extraordinary circumstances, CIPO considers all time limits to be extended until the next day that it is open to the public. In such situations, mail delivered to CIPO or to designated establishments will be considered to be received on the date that CIPO re-opens to the public, with the exception of correspondence addressed to the Registrar of Topographies.

In view of the date-sensitive nature of intellectual property (IP), clients are advised to address important deadlines ahead of time to minimize the risk of affecting their IP rights. For the purposes of such deadlines, unless otherwise notified, clients should assume that all due dates remain in effect.

When possible during an emergency, information and search systems will continue to be available on our website; however, services provided through the Client Service Centre and other support areas within CIPO may be temporarily unavailable. Should an emergency occur, CIPO will post information with respect to service interruptions on our website as it becomes available and as circumstances permit.

Clients are **strongly encouraged** to send date-sensitive material through Canada Post by Registered Mail™ or Xpresspost™ or to use electronic means using the relevant links set out in section 2.2 of these correspondence procedures. Documents may continue to be faxed to CIPO at 819-953-CIPO (953-2476). Date-sensitive material requiring fee payment that is sent by fax must be accompanied by a VISA™, MasterCard™, or American Express™ credit card number, or CIPO deposit account number.

Please note that there may also be instances in which the designated offices may be temporarily closed, yet CIPO remains open to the public. In such situations, it remains **the responsibility of CIPO's clients** to ensure that all deadlines are respected.

## 7. Procedures when CIPO is Open to the Public but Clients are Unable to Communicate with the Office

demeurer ouvert au public et d'assurer un service essentiel à ses clients, et ce, avec le moins d'interruption ou de retard possible.

Conformément à l'alinéa 27.01n) des Règles sur les Brevets, l'alinéa 15n) du Règlement sur les marques de commerce et de l'alinéa 36n) du Règlement sur les dessins industriels, lorsque les bureaux de l'OPIC sont fermés au public pendant toute ou une partie des heures normales d'ouverture, y compris une fermeture en raison de circonstances extraordinaires, les délais seront prorogés au jour suivant qui ne sera pas un jour prescrit ou un jour désigné et où l'OPIC est ouvert au public .

Pour les droits d'auteur et les topographies de circuits intégrés, si les bureaux de l'OPIC sont fermés au public en raison de circonstances extraordinaires, l'OPIC considère que tous les délais sont prorogés au prochain jour d'ouverture au public. Dans de telles circonstances, le courrier livré à l'OPIC ou à des établissements désignés sera considéré avoir été reçu à la date du jour de la réouverture de l'OPIC au public, à l'exception de la correspondance adressée au registraire des topographies.

Étant donné **l'importance que revêtent les délais** en matière de propriété intellectuelle (PI), il est recommandé aux clients de minimiser les risques pouvant nuire à leurs droits en matière de PI en tenant compte à l'avance des dates limites importantes. En ce qui a trait aux délais prescrits, les clients doivent respecter toutes les dates d'échéance, à moins d'avis contraire.

En situation d'urgence, les systèmes d'information et de recherche resteront, dans la mesure du possible, accessibles à partir de notre site Web. Toutefois, les services fournis par le Centre de services à la clientèle et les autres services de soutien de l'OPIC pourraient temporairement ne pas être offerts. En situation d'urgence, l'OPIC va publier les renseignements nécessaires sur notre page d'interruptions des services, lorsque ceux-ci seront disponibles et les circonstances le permettront.

Les clients sont **fortement encouragés** de faire parvenir les documents assujettis à des délais précis par Postes Canada par Courrier recommandé<sup>MC</sup>, par Xpresspost<sup>MC</sup> ou par voie électronique en utilisant les liens spécifiés à l'article 2.2 des présentes procédures de correspondance. Il est toujours possible de transmettre par télécopieur des documents à l'OPIC en composant le 819-953-OPIC (953-6742). Cependant, les documents assujettis à des délais pour lesquels des droits ou taxes sont exigés, qui sont envoyés par télécopieur, doivent être accompagnés d'un numéro de carte VISA<sup>MC</sup>, Mastercard<sup>MC</sup> ou American Express<sup>MC</sup> ou d'un numéro de compte de dépôt à l'OPIC.

Veuillez noter qu'il pourrait y avoir des cas où les bureaux régionaux seraient fermés temporairement, mais où l'OPIC resterait ouvert au public. Le cas échéant, **les clients de l'OPIC demeurent responsables** du respect de tous les échéanciers.

## 7. Procédures à suivre lorsque l'Office est ouvert au public, mais les clients sont incapables de communiquer avec

## Notices

### l'Office

#### Patents, Industrial Design, Copyright and Integrated Circuit Topography

The legislative framework in relation with the abovementioned types of intellectual property does not provide CIPO with the flexibility to extend deadlines when it is open to the public but clients are unable to communicate with the Office.

In these situations it remains the responsibility of clients to ensure that all deadlines are respected.

#### Trademarks

The Trademarks Act and Regulations allow clients to request a retroactive extension of time when a due date has been missed due to a force majeure type situation. In order for a retroactive extension of time to be granted, the Registrar of Trademarks must be satisfied that the failure to do the act or apply for an extension of time before the original due date was not reasonably avoidable. A prescribed fee is required in certain cases.

#### Brevets, dessins industriels, droit d'auteur et topographies de circuits intégrés

Le cadre législatif en rapport aux types de propriété intellectuelle mentionnés ci-haut ne donne pas à l'OPIC la flexibilité de proroger les délais lorsque l'Office est ouvert au public, mais les clients sont dans l'impossibilité de communiquer avec le l'Office.

Dans une telle situation, les clients demeurent tenus de veiller à ce que les échéances soient respectées.

#### Marques de commerce

La Loi sur les marques de commerce et le Règlement sur les marques de commerce permettent aux clients de demander une prolongation rétroactive lorsqu'un délai n'a pas été respecté en raison d'un cas de force majeure. Pour qu'une prolongation de délai rétroactive soit accordée, le registraire des marques de commerce doit être convaincu que l'omission d'accomplir l'acte ou de demander la prorogation avant la date initiale d'échéance n'était pas raisonnablement évitable. Un droit prescrit est exigé dans certains cas.

## 8. Intellectual property acts, rules and regulations

- [Copyright Act](#)
- [Copyright Regulations](#)
- [Industrial Design Act](#)
- [Industrial Design Regulations](#)
- [Integrated Circuit Topography Act](#)
- [Integrated Circuit Topography Regulations](#)
- [Interpretation Act](#)
- [Patent Act](#)
- [Patent Rules](#)
- [Regulations under the PCT](#)
- [Trademarks Act](#)
- [Trademarks Regulations](#)

## 8. Lois, règles et règlements sur la propriété intellectuelle

- [Loi sur le droit d'auteur](#)
- [Règlement sur le droit d'auteur](#)
- [Loi sur les dessins industriels](#)
- [Règlement sur les dessins industriels](#)
- [Loi sur les topographies de circuits intégrés](#)
- [Règlement sur les topographies de circuits intégrés](#)
- [Loi d'interprétation](#)
- [Loi sur les brevets](#)
- [Règles sur les brevets](#)
- [Règlement d'exécution du PCT](#)
- [Loi sur les marques de commerce](#)
- [Règlement sur les marques de commerce](#)

## 15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of July 23, 2019 contains applications open to public inspection from July 7, 2019 to July 13, 2019.

## 15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 23 juillet 2019 contient les demandes disponibles au public pour consultation pour la période du 7 juillet 2019 au 13 juillet 2019.

# Canadian Patents Issued

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[54] COMPOSITIONS COMPRENANT DES CELLULES SOUCHES EMBRYONNAIRES HUMAINES ET LEURS DERIVES, PROCEDES D'UTILISATION ET PROCEDES DE PREPARATION  
[72] SHROFF, GEETA, IN  
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- [73] SUMITOMO CHEMICAL COMPANY, LIMITED, JP
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[72] MERCHANT, CLARK ADRIEN, CA  
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- [72] THIVIERGE, ALAIN, CA
- [72] LAMONTAGNE, LOUIS, CA
- [73] RAD TECHNOLOGIES INC., CA
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- [54] SYSTEME ET METHODE POUR RENDU A DISTANCE D'UN CONTENU SUR UN APPAREIL DE JEUX DE HAZARD ELECTRONIQUE
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- [72] NELSON, DWAYNE R., US
- [73] IGT, US
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- [72] PAN, JUNLIANG, US
- [72] GRUDZINSKA, JOANNA, DE
- [72] VOTSMEIER, CHRISTIAN, DE
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- [72] BIRKENFELD, JOERG, DE
- [72] WOBST, NINA, DE
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 [54] FORMES SOLIDES DE (R)-1(2,2-DIFLUOROBENZO[D][1,3]DIOXOL-5-YL)-N-(1-(2,3-DIHYDROXYPROPYL)-6-FLUORO-2-(1-HYDROXY-2-METHYLPROPAN-2-YL)-1H-INDOL-5-YL) CYCLOPROPANE CARBOXAMIDE  
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 [72] ALCACIO, TIM EDWARD, US  
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 [72] FERNANDEZ MASSO, JULIO RAUL, CU  
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 [54] PROCEDE DE PREPARATION D'EXTRAIT DE TABAC POUR DISPOSITIFS A FUMER ELECTRONIQUES  
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 [54] METHODE ET SYSTEME POUR LA RETRANSMISSION OPTIMISEE D'UN MESSAGE DANS UN CONTEXTE DE COMMUNICATION PAR SATELLITE  
 [72] GINESTE, MATHIEU, FR  
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- [72] ROEDSRUD, GUDBRAND, NO
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  - [72] PAVONE, VINCENZO, IT
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- [54] OLIGOMERES, METHODE DE PRÉPARATION ASSOCIEE ET UTILISATION ASSOCIEE EN VUE DE FLUIDISER OU AMELIORER LA STABILITÉ DES COMPOSITIONS POLYMERIQUES
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- [72] KANNENGIESSER, PAULINE, FR
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[54] FERMETURE INVIOABLE  
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[72] PUN, SHI MING, NL  
[72] DEN BOER, SEBASTIAAN WILHELMUS JOSEPHUS, NL  
[72] STEGEMAN, GERRIT, JAN, NL  
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[54] APPAREIL ET PROCEDE POUR TRAITER UNE BIOMASSE  
[72] CONNER, GREGORY THOMAS, NZ  
[72] TYRRELL-BAXTER, FORREST JOHN, NZ  
[73] CARBONSCAPE LIMITED, NZ  
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- [54] SOUCHES DE LEVURE MODIFIEES POUR PRODUIRE DE L'ETHANOL A PARTIR D'ACIDE ACETIQUE ET DE GLYCEROL
- [72] DE BONT, JOHANNES ADRIANUS MARIA, NL
- [72] TEUNISSEN, ALOYSIUS WILHELMUS RUDOLPHUS HUBERTUS, NL
- [72] KLAASSEN, PAUL, NL
- [72] HARTMAN, WOUTER WILLEM ANTONIUS, NL
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- [72] FOUGERE, RICHARD J., US
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- [73] MCNEIL-PPC, INC., US
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- [25] EN
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- [54] METHODE DE PRODUCTION DE LA L-LYSINE AU MOYEN DE MICRO-ORGANISMES CAPABLES DE PRODUIRE L'ACIDE AMINE
- [72] LEE, KWANG HO, KR
- [72] LIM, SANG JO, KR
- [72] MOON, JUN OK, KR
- [72] JANG, JAE WOO, KR
- [72] PARK, SU JIN, KR
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- [73] CHAPMAN/LEONARD STUDIO EQUIPMENT, INC., US
- [85] 2014-07-03
- [86] 2013-01-09 (PCT/US2013/020773)
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- [54] PROCEDE POUR L'ELIMINATION DE VIRUS DANS UNE SOLUTION DE PROTEINE
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- [72] KEPKA, CECILIA JANSSON, SE
- [73] NOVOZYMES A/S, DK
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- [54] FEUILLET THERMOPLASTIQUE POUR SYSTEME DE VISUALISATION TETE HAUTE
- [72] SABLAYROLLES, JEAN, FR
- [72] CLABAU, FREDERIC, FR
- [72] LABROT, MICHAEL, DE
- [73] SEKISUI CHEMICAL CO., LTD., JP
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- [54] PROCEDE POUR LA PREPARATION DE BROMURE DE TIOTROPIUM
- [72] SOBRAL, LUIS, PT
- [72] TEMTEM MARCIO, PT
- [72] ANTUNES, RAFAEL, PT
- [72] NUNES, BRUNA, PT
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 [72] BARKER, JEFFREY THOMAS, CA  
 [72] FROM, WESLEY, CA  
 [72] KAMBULOW, ED, CA  
 [73] TROJAN TECHNOLOGIES, CA  
 [85] 2014-08-19  
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 [54] SYSTEMES DE SECURITE POUR DISTRIBUTEUR A ELEMENT DE SOULEVEMENT MANUEL MODULAIRE ET PROCEDES POUR ASSEMBLER, FABRIQUER OU UTILISER LESDITS SYSTEMES DE SECURITE  
 [72] VOGLER, MICHAEL, CA  
 [72] POLLOCK, JOEL, CA  
 [73] MARKETING IMPACT LIMITED, CA  
 [86] (2865088)  
 [87] (2865088)  
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 [54] PROCEDE DE RECHARGEMENT ET DE SOUDAGE PAR FUSION DE SUPERALLIAGES AU MOYEN D'UNE POUDRE D'APPORT COMPOSITE  
 [72] GONCHAROV, ALEXANDER B., CA  
 [72] LIBURDI, JOSEPH, CA  
 [72] LOWDEN, PAUL, CA  
 [72] HASTIE, SCOTT, CA  
 [73] LIBURDI ENGINEERING LIMITED, CA  
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 [25] EN  
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 [54] SOUCHE PESTICIDE DE FLAVOBACTERIUM, COMPOSITIONS ET METABOLITES BIOACTIFS ET LEURS UTILISATIONS  
 [72] CORDOVA-KREYLOS, ANA LUCIA, US  
 [72] ASOLKAR, RATNAKAR, US  
 [72] KOIVUNEN, MARJA, US  
 [72] RODRIGUEZ, MARGARITA, US  
 [72] XING, LIJUAN, US  
 [72] MARRONE, PAMELA, US  
 [73] MARRONE BIO INNOVATIONS, INC., US  
 [85] 2014-09-02  
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 [54] CARTOUCHE REUTILISABLE POUR LE MOULAGE PAR INJECTION  
 [72] HOWE, MATT, US  
 [72] MILOVICH, DIMITRIJE, US  
 [73] RADIUS ENGINEERING INC., US  
 [85] 2014-09-05  
 [86] 2013-02-13 (PCT/US2013/026002)  
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 [72] EATON, DELBERT, US  
 [72] GETZEWICH, LEE, US  
 [72] ALBIN, DAVID R., US  
 [73] ROMAC INDUSTRIES, INC., US  
 [85] 2014-09-11  
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 [54] APPAREIL ET PROCEDE PERMETTANT DE REGULER LA PRESSION DANS UN TROU DE FORAGE  
 [72] KJOSNES, IVAR, NO  
 [72] ROLLAND, NILS LENNART, NO  
 [73] STATOIL PETROLEUM AS, NO  
 [85] 2014-11-28  
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 [30] GB (1209844.8) 2012-06-01
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 [54] PROCEDE DE PREPARATION D'OXAMIDES ENRICHIS EN ENANTIOMERES  
 [72] VOLPICELLI, RAFFAELLA, IT  
 [72] NARDI, ANTONIO, IT  
 [72] ANDRETTI, MAURO, IT  
 [72] MUNARI, ILARIA, IT  
 [72] BRESCELLO, ROBERTO, IT  
 [72] SMANIOTTO, ANNA, IT  
 [72] COTARCA, LIVIUS, IT  
 [72] VERZINI, MASSIMO, IT  
 [73] F.I.S. - FABBRICA ITALIANA SINTETICI S.P.A., IT  
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 [54] PROCEDE POUR LE REFORMAGE D'HYDROCARBURES  
 [72] JENSEN, MARTIN FRAHM, DK  
 [72] KNUDSEN, LARI BJERG, DK  
 [73] HALDOR TOPSOE A/S, DK  
 [85] 2014-12-18  
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 [30] US (61/721,359) 2012-11-01  
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 [25] EN  
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 [54] COMPOSITION NUTRITIONNELLE POUR PROMOUVOIR LA SANTE MUSCULOSQUELETTIQUE CHEZ DES PATIENTS SOUFFRANT DE MALADIE INTESTINALE INFLAMMATOIRE NON SPECIFIQUE (MICI)  
 [72] SCHIFFRIN, EDUARDO, CH  
 [72] BRAHMBHATT, VIRAL, CH  
 [72] MARTIN, FRANCOIS-PIERRE, CH  
 [72] BENYACOUB, JALIL, CH  
 [73] NESTEC S.A., CH  
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 [25] EN  
 [54] METHOD AND APPARATUS FOR FEEDING ELECTRIC ENERGY INTO AN ELECTRIC SUPPLY GRID  
 [54] PROCEDE ET DISPOSITIF POUR INJECTER DE L'ENERGIE ELECTRIQUE DANS UN RESEAU D'ALIMENTATION ELECTRIQUE  
 [72] DIEDRICHS, VOLKER, DE  
 [72] BUSKER, KAI, DE  
 [72] BEEKMANN, ALFRED, DE  
 [73] WOBKEN PROPERTIES GMBH, DE  
 [85] 2015-01-05  
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 [54] PROTECTION SOLAIRE INTEGREE DANS UN VERRE CREUX  
 [72] ZHANG, XUEZHONG, CN  
 [73] INTIGRAL, INC., US  
 [85] 2015-01-16  
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[54] PANNEAU DE CARROSSERIE POUR VEHICULE DE TRANSPORT COMPRENANT UN DISPOSITIF D'ECHANGE THERMIQUE ET VEHICULE DE TRANSPORT COMPRENANT UN TEL PANNEAU DE CARROSSERIE  
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[73] RITTAL GMBH & CO. KG, DE  
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[72] YUSUF, SHAFFEEK ALLEM, CA  
[73] ALEEM & COMPANY INC., CA  
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[72] PILGRIM, RICK, US  
[73] ENSCO SERVICES LIMITED, GB  
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[54] PLUG CONNECTOR  
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  - [72] STEGMAIER, PETER ARNOLD, CH
  - [72] SCHLAPBACH, ANDREA BORIS, CH
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- [72] OTANI, TOMOKAZU, JP
- [72] ZLOBEC, SANRO, CA
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  - [54] PRODUIT DETERGENT DE LAVAGE DESTINE AU LAVAGE DE LA VAISSELLE A BASSE TEMPERATURE EXEMPT DE CAUSTIQUE POUR REDUIRE L'ACCUMULATION DE TARTRE
  - [72] DAHLQUIST, ERIN JANE, US
  - [72] LENTSCH, STEVEN EUGENE, US
  - [72] EVERSON, TERRENCE P., US
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  - [73] ECOLAB USA INC., US
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- [54] SYSTEME DE BLOC EN Y MULTILATERAL
- [72] WOLF, JOHN C., US
- [72] GONZALEZ, LUIS A., US
- [72] SPONCHIA, BARTON, US
- [72] HUANG, ANDREW BRIAN, US
- [73] SCHLUMBERGER CANADA LIMITED, CA
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  - [54] DYNAMIC GRAPH PERFORMANCE MONITORING
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  - [72] BUXBAUM, MARK, US
  - [72] MULLIGAN, MICHAEL G., US
  - [72] WAKELING, TIM, US
  - [72] ATTERBURY, MATTHEW DARCY, US
  - [73] AB INITIO TECHNOLOGY LLC, US
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  - [72] CLEAR, LIAM, GB
  - [73] WEMBLEY INNOVATION LTD, GB
  - [85] 2015-05-27
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- [72] THOMPSON, JOHN, GB
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[73] FACEBOOK, INC., US  
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[54] APPAREIL SIMPLIFIE DESTINE A LA PREVENTION POSITIVE DE L'UTILISATION DE DISPOSITIF DE COMMUNICATION PERSONNELLE MOBILE  
[72] MORAN, MARTIN, US  
[73] MORAN, MARTIN, US  
[86] (2901612)  
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[54] REDUCTION OF SENSOR CAPTURED DATA STREAMED TO AN OPERATOR  
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[72] NYKL, SCOTT, US  
[73] OHIO UNIVERSITY, US  
[85] 2015-08-20  
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[72] MERRITHEW, LINDSAY G., CA  
[72] MERRITHEW, MOIRA M., CA  
[72] BHATT, VIRAL, CA  
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[73] MERRITHEW CORPORATION, CA  
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[72] SIEGEL, WILLIAM L., US  
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[54] RESEAU DE MODULES SOLAIRES A MICRO-CONCENTRATEURS EMPLOYANT DES REFLECTEURS FONDES SUR DES SYSTEMES MICRO-ELECTROMECANIQUES  
[72] SINGER, SCOTT BENJAMIN, US  
[72] KRUT, DIMITRI D., US  
[72] KARAM, NASSER H., US  
[73] THE BOEING COMPANY, US  
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TRIMS  
[54] MODULE D'ECLAIRAGE  
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COPOLYMER RUBBER, CROSS-  
LINKABLE RUBBER  
COMPOSITION, AND CROSS-  
LINKED RUBBER  
[54] CAOUTCHOUC COPOLYMER  
RENFERMANT UN GROUPE  
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[73] ZEON CORPORATION, JP  
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FROM WASTE OIL  
[54] TRAITEMENT DE CARBURANT  
DIESEL A PARTIR D'HUILE  
USAGEEE  
[72] MIDDLETON, ORVILLE, CA  
[72] HABICHT, BERNHARD G., CA  
[72] HABICHT, TODD, CA  
[72] WINRAM, JOHN, CA  
[73] HD PETROLEUM INC., CA  
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[72] YAMAASHI, KAZUHIKO, JP  
[72] KAWAI, YASUHIRO, JP  
[72] KANEKO, MITSUGU, JP  
[72] KOBAYASHI, HARUHIKO, JP  
[72] KURIMOTO, NORIKO, JP  
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[25] EN  
[54] A METHOD TO CREATE  
PRESTRESSED CONCRETE  
STRUCTURES BY MEANS OF  
PROFILES MADE FROM A  
SHAPE-MEMORY ALLOY AS  
WELL AS STRUCTURE BUILT  
ACCORDING TO THE METHOD  
[54] PROCEDE VISANT A CREER DES  
STRUCTURES EN BETON  
PRECONTRAINTE AU MOYEN DE  
PROFILS FABRIQUES A PARTIR  
D'UN ALLIAGE A MEMOIRE DE  
FORME ET STRUCTURE  
CONSTRUITE SELON LEDIT  
PROCEDE

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[72] MOTAVALLI, MASOUD, CH  
[72] WEBER, BENEDIKT, CH  
[72] LEE, WOOKJIN, CH  
[72] BRONNIMANN, ROLF, CH  
[72] CZADERSKI, CHRISTOPH, CH  
[73] RE-FER AG, CH  
[73] EMPA, CH  
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[54] SYSTEMES ET PROCEDES DE  
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[72] BEK, ROBIN, US  
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[54] PROCEDE DE SYNTHESE DE CONJUGUES ANTICORPS-MEDICAMENT AU MOYEN DE RESINES D'AFFINITE  
[72] EVANS, DAVID JOHN, GB  
[72] MCKEE, COLIN MARTIN, GB  
[73] ADC BIOTECHNOLOGY LTD, GB  
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[54] PROCEDE DE PRODUCTION D'UNE EBAUCHE ET EBAUCHE CORRESPONDANTE  
[72] FECHER, STEFAN, DE  
[72] HORHOLD, HEINER, DE  
[72] SCHUSSER, UDO, DE  
[72] VOLLMANN, MARKUS, DE  
[72] KUTZNER, MARTIN, DE  
[73] DENTSPLY INTERNATIONAL INC., US  
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[54] APPAREIL RESPIRATOIRE POUR INHALATION DE GAZ, MUNI D'UN HUMIDIFICATEUR  
[72] KENYON, BARTON JOHN, AU  
[72] YEE, ARTHUR KIN-WAI, AU  
[72] PRIMROSE, ROHAN NEIL, AU  
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[72] SNOW, JOHN MICHAEL, AU  
[72] SAPULA, MAREK TOMASZ, AU  
[72] CRUMBLIN, GEOFFREY, AU  
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[25] EN  
[54] A COMPREHENSIVE TIRE PRESSURE MAINTENANCE SYSTEM  
[54] SYSTEME COMPLET DE MAINTIEN DE LA PRESSION DANS UN PNEUMATIQUE  
[72] MATLOW, MELL, US  
[73] MATLOW, MELL, US  
[85] 2015-11-02  
[86] 2014-05-09 (PCT/US2014/037413)  
[87] (WO2014/182979)  
[30] US (61/821,532) 2013-05-09
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[13] C

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[25] EN  
[54] FAUCET INCLUDING CAPACITIVE SENSORS FOR HANDS FREE FLUID FLOW CONTROL  
[54] ROBINET COMPRENANT DES CAPTEURS CAPACITIFS PERMETTANT LA COMMANDE MAINS LIBRES DU DEBIT DE LIQUIDE  
[72] SAWASKI, JOEL D., US  
[73] DELTA FAUCET COMPANY, US  
[86] (2913613)  
[87] (2913613)  
[22] 2015-12-01  
[30] US (14/575,925) 2014-12-18
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[25] EN  
[54] METHODS, COMPOSITIONS, AND KIT FOR WHITENING HYPERPIGMENTED SPOTS ON SKIN  
[54] METHODES, COMPOSITIONS ET KIT UTILISES POUR BLANCHIR LES TACHES HYPERPIGMENTEES DE LA PEAU  
[72] MU, WEILIN, US  
[72] CASTRO, JOHN R., US  
[73] ELC MANAGEMENT LLC, US  
[85] 2015-11-26  
[86] 2014-06-18 (PCT/US2014/043002)  
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[25] EN  
[54] **METHOD FOR OPERATING AN ID-BASED ACCESS CONTROL SYSTEM**  
[54] **METHODE DE FONCTIONNEMENT D'UN SYSTEME DE CONTROLE D'ACCES A L'AIDE D'UN IDENTIFIANT**  
[72] KERSCHBAUMER, ANDREAS, AT  
[72] KOTNIK, HARALD, AT  
[72] NOVAK, MARKUS, AT  
[73] SKIDATA AG, AT  
[86] (2914077)  
[87] (2914077)  
[22] 2015-12-04  
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[51] Int.Cl. H01M 2/10 (2006.01) H01M 2/20 (2006.01) H01M 10/44 (2006.01) H01M 10/48 (2006.01) H01G 9/26 (2006.01)  
[25] EN  
[54] **POWER STORAGE DEVICE, POWER STORAGE SYSTEM, ELECTRONIC APPARATUS, ELECTRIC VEHICLE, AND ELECTRIC POWER SYSTEM**  
[54] **DISPOSITIF DE STOCKAGE D'ENERGIE, SYSTEME DE STOCKAGE D'ENERGIE, APPAREIL ELECTRONIQUE, VEHICULE ELECTRIQUE ET SYSTEME D'ALIMENTATION ELECTRIQUE**  
[72] SUGENO, NAOYUKI, JP  
[72] AOYAMA, TSUTOMU, JP  
[72] ADACHI, TATSUYA, JP  
[73] MURATA MANUFACTURING CO., LTD., JP  
[85] 2015-12-15  
[86] 2014-05-19 (PCT/JP2014/002624)  
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[25] EN  
[54] **RADIOLABELLED MATERIAL**  
[54] **MATERIAU RADIOMARQUE**  
[72] STEPHENS, ROSS WENTWORTH, AU  
[72] BELL, JESSICA LOUISE, AU  
[73] THE AUSTRALIAN NATIONAL UNIVERSITY, AU  
[85] 2015-12-17  
[86] 2013-12-20 (PCT/AU2013/001510)  
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[25] EN  
[54] **SKATE BLADE FOR BALANCE AND PERFORMING SKATING SKILLS**  
[54] **LAME DE PATIN AIDANT A MAINTENIR L'EQUILIBRE ET A EXECUTER DES EXERCICES DE PATINAGE**  
[72] GRANGER, COLIN EDWARD, CA  
[73] BALANCE BLADES INC., CA  
[86] (2916313)  
[87] (2916313)  
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[25] EN  
[54] **HETEROARYL COMPOUNDS USEFUL AS INHIBITORS OF SUMO ACTIVATING ENZYME**  
[54] **COMPOSES HETEROARYLIQUES POUVANT ETRE UTILISES EN TANT QU'INHIBITEURS DE L'ENZYME SAE**  
[72] DUFFEY, MATTHEW O., US  
[72] ENGLAND, DYLAN B., US  
[72] HU, ZHIGEN, US  
[72] ITO, MITSUHIRO, JP  
[72] LANGSTON, STEVEN P., US  
[72] MCINTYRE, CHARLES, US  
[72] MIZUTANI, HIROTAKE, US  
[72] XU, HE, US  
[73] MILLENNIUM PHARMACEUTICALS, INC., US  
[85] 2015-12-21  
[86] 2014-07-01 (PCT/US2014/045129)  
[87] (WO2015/002994)  
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[25] EN  
[54] **UNIT DOSE COMPRISING WATER-INSOLUBLE INORGANIC PHOSPHATE BINDER**  
[54] **DOSE UNITAIRE COMPRENANT UN LIANT DE PHOSPHATE MINERAL INSOLUBLE DANS L'EAU**  
[72] PENNELL, RUTH DIANE, GB  
[72] NEWTON, MAURICE SYDNEY, GB  
[72] MORRISON, JAMES DAVID, GB  
[72] TOFT, ALEXIS JOHN, GB  
[72] RHODES, NIGEL PETER, GB  
[73] CYTOCHROMA DEVELOPMENT INC., BB  
[86] (2917335)  
[87] (2917335)  
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[25] EN  
[54] ACTIVE OPTICAL COUPLING SYSTEM AND PHOTONIC INTEGRATED CIRCUIT  
[54] DISPOSITIF DE RACCORD OPTIQUE ACTIF ET CIRCUIT INTEGRE PHOTONIQUE  
[72] PAQUET, ALEX, CA  
[73] INSTITUT NATIONAL D'OPTIQUE, CA  
[86] (2917426)  
[87] (2917426)  
[22] 2016-01-12  
[30] US (62/102,947) 2015-01-13
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[13] C

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[25] EN  
[54] REMOTE PHARMACEUTICAL VERIFICATION  
[54] VERIFICATION DE MEDICAMENT A DISTANCE  
[72] JACOBS, ALAN, US  
[72] JACOBS, JENNIFER, US  
[72] NIKITINA, YANA, US  
[73] PERCEPTIMED, INC., US  
[85] 2016-02-03  
[86] 2014-08-08 (PCT/US2014/050440)  
[87] (WO2015/021442)  
[30] US (61/864,456) 2013-08-09
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[13] C

- [51] Int.Cl. G08B 17/04 (2006.01)  
[25] EN  
[54] METHOD OF MANUFACTURING A PRESSURE SENSOR FOR AN OVERHEAT OR FIRE ALARM  
[54] METHODE DE FABRICATION DE DETECTEUR DE PRESSION DESTINE A UNE ALARME DE SURCHAUFFE OU D'INCENDIE  
[72] SMITH, PAUL D., GB  
[72] RENNIE, PAUL, GB  
[73] KIDDE TECHNOLOGIES, INC., US  
[86] (2920424)  
[87] (2920424)  
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[30] GB (1307802.7) 2013-04-30
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[13] C

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[25] EN  
[54] PROCESS FOR PRODUCING MULTIPOTENT STEM CELLS AND PROGENITORS  
[54] PROCESSUS DE PRODUCTION DE CELLULES SOUCHES MULTIPOTENTES ET DE PROGENITEURS  
[72] AYOUB, CARLOS ALEXANDRE, BR  
[72] KERKIS, ALEXANDRE, BR  
[72] LIZIER, NELSON FORESTO, BR  
[73] CCB - CENTRO DE CRIOGENIA BRASIL LTDA., BR  
[85] 2016-02-17  
[86] 2014-08-19 (PCT/BR2014/000301)  
[87] (WO2015/024089)  
[30] BR (BR1020130212024) 2013-08-20
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[13] C

- [51] Int.Cl. F16K 11/044 (2006.01) F16K 27/02 (2006.01)  
[25] EN  
[54] THERMAL MANAGEMENT VALVE  
[54] VANNE DE CONTROLE THERMIQUE  
[72] PETERSON, MATTHEW, US  
[73] FLEXTRONICS GLOBAL SERVICES CANADA INC. SERVICES GLOBAUX FLEXTRONICS CANADA INC., CA  
[85] 2016-02-29  
[86] 2014-06-18 (PCT/US2014/042958)  
[87] (WO2015/030906)  
[30] US (61/872,178) 2013-08-30  
[30] US (61/919,304) 2013-12-20  
[30] US (14/300,308) 2014-06-10
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[13] C

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[25] EN  
[54] VEHICULAR LAMP CLEANING SYSTEM  
[54] SYSTEME DE NETTOYAGE DE LAMPE VEHICULAIRE  
[72] JONES, RODERICK, CA  
[72] GORDON, LAWRENCE, CA  
[73] JONES, RODERICK, CA  
[73] GORDON, LAWRENCE, CA  
[86] (2924557)  
[87] (2924557)  
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[30] US (62146467) 2015-04-13
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[13] C

- [51] Int.Cl. G01N 21/27 (2006.01) G01J 3/46 (2006.01) G01N 1/38 (2006.01)  
[25] EN  
[54] MULTIPLE WAVELENGTH LIGHT SOURCE FOR COLORIMETRIC MEASUREMENT  
[54] SOURCE DE LUMIERE A MULTIPLES LONGUEURS D'ONDES POUR MESURES COLORIMETRIQUES  
[72] BUTCHER, BRADLEY A., US  
[72] FENG, CHANG-DONG, US  
[73] ROSEMOUNT INC., US  
[85] 2016-04-01  
[86] 2014-10-02 (PCT/US2014/058782)  
[87] (WO2015/051092)  
[30] US (61/886,291) 2013-10-03  
[30] US (14/502,425) 2014-09-30
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[13] C

- [51] Int.Cl. G02B 26/00 (2006.01) B82Y 20/00 (2011.01) B42D 25/36 (2014.01) G09F 9/30 (2006.01)  
[25] EN  
[54] OPTICALLY VARIABLE DEVICES, THEIR PRODUCTION AND USE  
[54] DISPOSITIFS VARIABLES OPTIQUEMENT, LEUR PRODUCTION ET LEUR UTILISATION  
[72] FIRTH, ANDREA V., CA  
[72] MCGARRY, STEVEN PAUL, CA  
[72] RANKIN, ALASDAIR PATRICK, CA  
[73] BANK OF CANADA, CA  
[85] 2016-04-13  
[86] 2014-11-06 (PCT/CA2014/051068)  
[87] (WO2015/066808)  
[30] US (61/901,592) 2013-11-08  
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- [25] EN
- [54] **DENDRIMER CONJUGATES FOR DETERMINING MEMBRANE RETENTION LEVEL AND/OR PORE STRUCTURE**
- [54] **CONJUGUES DE DENDRIMERE SERVANT A DETERMINER LE TAUX DE RETENTION D'UNE MEMBRANE OU D'UNE STRUCTURE DE PORE**
- [72] AHMAD, FARHAN, US
- [72] QIU, JIAN M., US
- [72] SINGH, AMARNAUTH, US
- [72] MISH, BARBARA M., US
- [73] PALL CORPORATION, US
- [86] (2927488)
- [87] (2927488)
- [22] 2016-04-21
- [30] US (14/796,150) 2015-07-10

[11] **2,929,635**

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- [25] EN
- [54] **FIBER OPTIC SENSOR FOR MEASUREMENT OF CARBON DIOXIDE**
- [54] **CAPTEUR A FIBRE OPTIQUE POUR LA MESURE DE DIOXYDE DE CARBONE**
- [72] WILD, PETER M., CA
- [72] FYLES, THOMAS M., CA
- [72] RISK, DAVID A., CA
- [72] SINTON, DAVID A., CA
- [72] BAO, BO, CA
- [72] MELO, LUIS, CA
- [72] JUN, MARTIN B.G., CA
- [72] BURTON, GEOFF, CA
- [73] UVIC INDUSTRY PARTNERSHIPS INC., CA
- [85] 2016-05-04
- [86] 2014-11-03 (PCT/CA2014/000781)
- [87] (WO2015/061886)
- [30] US (61/899,821) 2013-11-04

[11] **2,931,079**

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- [25] EN
- [54] **APPARATUS AND METHOD FOR MANUFACTURING A CURED PHOTOCURABLE RESIN COMPOSITION**
- [54] **PROCEDE ET DISPOSITIF DE FABRICATION D'UNE COMPOSITION DURCIE DE RESINE DURCISSANT A LA LUMIERE**
- [72] ASHIKAGA, KAZUO, JP
- [72] KAWAMURA, KIYOKO, JP
- [72] ORIKASA, TERUO, JP
- [73] HERAEUS KABUSHIKI KAISHA, JP
- [85] 2016-05-18
- [86] 2015-08-25 (PCT/JP2015/073832)
- [87] (WO2016/039129)
- [30] JP (2014-185132) 2014-09-11

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[13] C

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- [25] EN
- [54] **METHOD AND COMPOSITION FOR ENZYMATIC TREATMENT OF FIBER FOR PAPERMAKING, AND PAPER PRODUCTS MADE THEREWITH**
- [54] **PROCEDE ET COMPOSITION POUR UN TRAITEMENT ENZYMATIQUE DE FIBRE POUR FABRICATION DE PAPIER ET LES PRODUITS DE PAPIER QUI EN DECOULENT**
- [72] BRYANT, STEPHEN D., US
- [72] JANSE, BERNARD, US
- [72] ZHOU, XIANGDONG, US
- [72] HOEKSTRA, PHILIP, US
- [72] GLOVER, DANIEL E., US
- [72] MACDONALD, KEVIN J., US
- [73] BUCKMAN LABORATORIES INTERNATIONAL, INC., US
- [86] (2932194)
- [87] (2932194)
- [22] 2012-10-26
- [62] 2,853,478
- [30] US (61/552,007) 2011-10-27

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[13] C

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- [25] EN
- [54] **COMPOSITION FOR COATING**
- [54] **COMPOSITION DE REVETEMENT**
- [72] GERLACH, GUNTER, DE
- [72] SCHALLER, CHRISTIAN, DE
- [72] FARBER, ALEXANDER, DE
- [72] WEH, WALTER, DE
- [72] BURGETH, GERALD, DE
- [73] STO SE & CO. KGAA, DE
- [85] 2016-06-02
- [86] 2014-12-11 (PCT/EP2014/077401)
- [87] (WO2015/086757)
- [30] EP (13196807.5) 2013-12-12
- [30] EP (14152344.9) 2014-01-23

[11] **2,933,854**

[13] C

- [51] Int.Cl. B62D 25/16 (2006.01) B62D 25/18 (2006.01)
- [25] EN
- [54] **FENDER INTEGRATED AERODYNAMIC MUD, ROCK AND SPLASH GUARD**
- [54] **PARE-BOUE, PARE-PIERRE ET PARE-ECLABOUE**
- [54] **AERODYNAMIQUE INTEGRE AU GARDE-BOUE**
- [72] MANLEY, HARRY B., CA
- [73] MANLEY, HARRY B., CA
- [86] (2933854)
- [87] (2933854)
- [22] 2016-06-23

[11] **2,934,181**

[13] C

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- [25] EN
- [54] **METHOD AND SYSTEM FOR BREWING AND CHILLING A BEVERAGE**
- [54] **PROCEDE ET SYSTEME POUR FAIRE INFUSER ET RAFRAICIR UNE BOISSON**
- [72] LOWN, JOHN M., US
- [73] TAKEYA USA CORPORATION, US
- [86] (2934181)
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- [22] 2012-03-05
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- [30] US (13/041,117) 2011-03-04

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[25] EN  
[54] PUMPING CASSETTE  
[54] CASSETTE DE POMPAGE  
[72] DEMERS, JASON A., US  
[72] WILT, MICHAEL J., US  
[72] GRANT, KEVIN L., US  
[72] DALE, JAMES D., US  
[72] TRACY, BRIAN, US  
[73] DEKA PRODUCTS LIMITED PARTNERSHIP, US  
[86] (2937204)  
[87] (2937204)  
[22] 2008-02-26  
[62] 2,681,914  
[30] US (60/904,024) 2007-02-27  
[30] US (60/921,314) 2007-04-02  
[30] US (11/871,680) 2007-10-12

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[13] C

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[25] EN  
[54] OXIDATIVE DEHYDROGENATION OF ETHANE TO ETHYLENE AND PREPARATION OF MULTIMETALLIC MIXED OXIDE CATALYST FOR SUCH PROCESS  
[54] DESHYDROGENATION OXYDATIVE DE L'ETHANE EN ETHYLENE ET PREPARATION D'OXYDES MIXTES MULTIMETALLIQUES EN TANT QUE CATALYSEURS POUR CE PROCEDE  
[72] SANCHEZ VALENTE, JAIME, MX  
[72] LOPEZ NIETO, JOSE MANUEL, ES  
[72] ARMENDARIZ HERRERA, HECTOR, MX  
[72] MASSO RAMIREZ, AMADA, ES  
[72] IVARS BARCELO, FRANCISCO, ES  
[72] GUZMAN CASTILLO, MARIA DE LOURDES ALEJANDRA, MX  
[72] QUINTANA SOLORZANO, ROBERTO, MX  
[72] RODRIGUEZ HERNANDEZ, ANDREA, MX  
[72] DEL ANGEL VICENTE, PAZ, MX  
[72] MAYA FLORES, ETEL, MX  
[73] INSTITUTO MEXICANO DEL PETROLEO, MX  
[73] UNIVERSIDAD POLITECNICA DE VALENCIA, ES  
[73] PEMEX PETROQUIMICA, MX  
[86] (2937242)  
[87] (2937242)  
[22] 2013-10-04  
[62] 2,888,633  
[30] US (13/655,620) 2012-10-19  
[30] MX (MX/A/2013/006308) 2013-06-05  
[30] ES (P201331144) 2013-07-25

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[11] **2,937,698**  
[13] C

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[25] EN  
[54] SYSTEM AND METHOD FOR HYDRAULICALLY REMOVING A SOCKET FROM A MAINSHAFT OF A GYRATION CRUSHER  
[54] SYSTEME ET PROCEDE POUR RETIRER HYDRAULIQUEMENT UNE DOUILLE D'UN ARBRE PRINCIPAL D'UN DEFIBREUR GIRATOIRE  
[72] BIGGIN, DAVID FRANCIS, US  
[73] METSO MINERALS INDUSTRIES, INC., US  
[85] 2016-07-21  
[86] 2014-11-19 (PCT/US2014/066401)  
[87] (WO2015/112246)  
[30] US (14/164,635) 2014-01-27

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[13] C

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[25] EN  
[54] MARKER PLACEMENT  
[54] POSITIONNEMENT DE MARQUEUR  
[72] KLEIN, EYAL, IL  
[72] KEHAT, ISRAEL, IL  
[72] KOPEL, EVGENI, IL  
[72] NEPOMNIASHCHY, ALEXANDER Y., IL  
[72] WEINGARTEN, OREN P., IL  
[73] COVIDIEN LP, US  
[86] (2939099)  
[87] (2939099)  
[22] 2016-08-17  
[30] US (62/232,170) 2015-09-24  
[30] US (15/232,982) 2016-08-10

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[25] EN  
[54] ELECTROMAGNETIC  
DIRECTIONAL COUPLER WIRED  
PIPE TRANSMISSION DEVICE  
[54] DISPOSITIF D'EMISSION A  
TUYAU CABLE A COUPLEUR  
DIRECTIONNEL  
ELECTROMAGNETIQUE  
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[73] BAKER HUGHES INCORPORATED,  
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[72] AMARA, RAMA, US

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- [72] WILKINSON, BRADLEY M., US
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  - [73] SAF-HOLLAND GMBH, DE
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- [72] BROWN, BRANDON HEATH, US
- [72] CHAO, JESSICA JADE, US
- [72] HALCOMB, RANDALL L., US
- [72] HRVATIN, PAUL, US
- [72] MCFADDEN, RYAN, US
- [72] ROETHLE, PAUL, US
- [72] RUDIO, ERWINA, US
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- [54] **IMAGE ENCODING DEVICE, IMAGE DECODING DEVICE, IMAGE ENCODING METHOD, AND IMAGE DECODING METHOD**
- [54] **DISPOSITIF DE CODAGE D'IMAGE, DISPOSITIF DE DECODAGE D'IMAGE, PROCEDE DECODEAGE D'IMAGE ET PROCEDE DE DECODEAGE D'IMAGE**
- [72] MINEZAWA, AKIRA, JP
- [72] SUGIMOTO, KAZUO, JP
- [72] SEKIGUCHI, SHUNICHI, JP
- [73] MITSUBISHI ELECTRIC CORPORATION, JP
- [86] (2961824)
- [87] (2961824)
- [22] 2012-01-06
- [62] 2,823,503
- [30] JP (2011-004038) 2011-01-12

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<p><b>[11] 2,962,648</b> [13] C</p> <p>[51] Int.Cl. G06Q 20/38 (2012.01) H04W 12/06 (2009.01) G06Q 20/32 (2012.01) G06Q 20/36 (2012.01)</p> <p>[25] EN</p> <p>[54] THREE-DIMENSIONAL TRANSACTION AUTHENTICATION</p> <p>[54] AUTHENTICATION DE TRANSACTION TRIDIMENSIONNELLE</p> <p>[72] PITRODA, SATYAN G., US</p> <p>[72] DESAI, MEHUL, US</p> <p>[73] MASTERCARD MOBILE TRANSACTIONS SOLUTIONS, INC., US</p> <p>[86] (2962648)</p> <p>[87] (2962648)</p> <p>[22] 2006-10-05</p> <p>[62] 2,624,981</p> <p>[30] US (60/724,066) 2005-10-06</p> <p>[30] US (11/539,024) 2006-10-05</p>	<p><b>[11] 2,964,550</b> [13] C</p> <p>[51] Int.Cl. B01D 53/02 (2006.01) B01D 53/047 (2006.01) B01D 53/62 (2006.01) B01D 53/96 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR INTEGRATED ADSORPTIVE GAS SEPARATION OF COMBUSTION GASES</p> <p>[54] SYSTEME ET PROCEDE DE SEPARATION ADSORPTIVE INTEGREE DE GAZ DE COMBUSTION</p> <p>[72] BOULET, ANDRE, CA</p> <p>[73] INVENTYS THERMAL TECHNOLOGIES INC., CA</p> <p>[86] (2964550)</p> <p>[87] (2964550)</p> <p>[22] 2012-06-29</p> <p>[62] 2,839,510</p> <p>[30] US (61/504,197) 2011-07-02</p>	<p><b>[11] 2,964,550</b> [13] C</p> <p>[51] Int.Cl. B01D 53/02 (2006.01) B01D 53/047 (2006.01) B01D 53/62 (2006.01) B01D 53/96 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR INTEGRATED ADSORPTIVE GAS SEPARATION OF COMBUSTION GASES</p> <p>[54] SYSTEME ET PROCEDE DE SEPARATION ADSORPTIVE INTEGREE DE GAZ DE COMBUSTION</p> <p>[72] BOULET, ANDRE, CA</p> <p>[73] INVENTYS THERMAL TECHNOLOGIES INC., CA</p> <p>[86] (2964550)</p> <p>[87] (2964550)</p> <p>[22] 2012-06-29</p> <p>[62] 2,839,510</p> <p>[30] US (61/504,197) 2011-07-02</p>

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[51] Int.Cl. G01R 19/00 (2006.01)

[25] EN

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[54] ENSEMBLE CAPTEUR OPTIQUE ET PROCEDE DE MESURE D'UN COURANT DANS UN SYSTEME DE DISTRIBUTION D'ALIMENTATION ELECTRIQUE

[72] HARLEV, JOSEPH YOSSI, US

[72] VEAZEY, RHAD, US

[72] KONETSKI, THEODORE, US

[72] JOHNSON, LEONARD, US

[73] GRIDVIEW OPTICAL SOLUTIONS, LLC., US

[86] (2965024)

[87] (2965024)

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[51] Int.Cl. H04N 13/20 (2018.01) H04N 13/366 (2018.01)

[25] FR

[54] METHOD FOR COLLECTING IMAGE DATA FOR PRODUCING IMMERSIVE VIDEO AND METHOD FOR VIEWING A SPACE ON THE BASIS OF THE IMAGE DATA

[54] METHODE POUR COLLECTER DES DONNEES D'IMAGES DESTINEES A PRODUIRE UNE VIDEO IMMERSIVE ET METHODE DE VISUALISATION D'UN ESPACE SUR BASE DE CES DONNEES D'IMAGES

[72] SALOME, TRISTAN, BE

[72] DE CONINCK, MICHAEL, BE

[72] MASCARELLO, CHRIS, BE

[72] VANDERHAEGEN, JAMES, BE

[72] HONOREZ, GAEL, BE

[73] PARALLAXTER, BE

[85] 2017-04-19

[86] 2015-10-22 (PCT/BE2015/000056)

[87] (WO2016/061640)

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[51] Int.Cl. H04N 19/184 (2014.01) H04H 20/95 (2009.01) H04N 19/177 (2014.01)

[25] EN

[54] ADAPTIVE BITRATE STREAMING LATENCY REDUCTION

[54] REDUCTION DE LATENCE DE TRANSMISSION EN CONTINU A DEBIT BINAIRE ADAPTATIF

[72] SUN, WENDELL, US

[73] ARRIS ENTERPRISES LLC, US

[85] 2017-04-21

[86] 2015-10-19 (PCT/US2015/056208)

[87] (WO2016/064728)

[30] US (62/066,971) 2014-10-22

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[13] C

[51] Int.Cl. F04D 29/32 (2006.01) F02C 7/00 (2006.01) F04D 29/02 (2006.01) F04D 29/70 (2006.01) C23C 14/06 (2006.01)

[25] EN

[54] EXFOLIATIVE COATING FOR COMPRESSOR VANE OR BLADE

[54] REVETEMENT EXFOLIANT DESTINE A UNE AUBE OU UNE AILETTE DE COMPRESSEUR

[72] ARAKI, TAKAHITO, JP

[72] TANAKA, YUTA, JP

[72] KAKINUMA, KAZUHIKO, JP

[72] BABA, MASANOBU, JP

[72] OTERA, ISSEI, JP

[72] MORISHITA, KANA, JP

[72] KOSEKI, SHUHO, JP

[73] IHI CORPORATION, JP

[73] HITACHI METALS, LTD., JP

[85] 2017-04-24

[86] 2015-12-17 (PCT/JP2015/085299)

[87] (WO2016/104303)

[30] JP (2014-262590) 2014-12-25

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[51] Int.Cl. A24D 3/04 (2006.01) A24D 3/02 (2006.01) A24D 3/06 (2006.01)

[25] EN

[54] VARIABLE VENTILATION SMOKING ARTICLE WITH FLAVOUR SOURCE

[54] ARTICLE DE FUMEUR A VENTILATION VARIABLE DOTE D'UNE SOURCE D'AROME

[72] KALJURA, KARL, GB

[72] WHITTON, TINA, GB

[72] BAILEY, MARK, GB

[72] TAVERN, SYDNEY, GB

[72] HARVEY, LISA, GB

[72] AUSTIN, MARK, GB

[73] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB

[85] 2017-05-01

[86] 2015-12-08 (PCT/GB2015/053761)

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[30] GB (1421802.8) 2014-12-08

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[51] Int.Cl. A61B 17/60 (2006.01) A61B 17/66 (2006.01)

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[54] DETACHABLE ACTUATOR ARM FOR DISTRACTION DEVICES

[54] BRAS ACTIONNEUR DETACHABLE POUR DISPOSITIFS DE DISTRACTION

[72] JOHNSTON, THOMAS S., JR., US

[72] KOHLER, KLAUS, DE

[73] JOHNSTON, THOMAS S., JR., US

[73] KOHLER, KLAUS, DE

[85] 2017-05-01

[86] 2015-11-05 (PCT/US2015/059276)

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[25] EN  
[54] MULTIDIRECTIONAL FAN SYSTEMS AND METHODS  
[54] SYSTEMES DE VENTILATEUR MULTIDIRECTIONNEL ET METHODES  
[72] SIDLE, BRIAN CHARLES, US  
[73] TOSHIBA INTERNATIONAL CORPORATION, US  
[86] (2966735)  
[87] (2966735)  
[22] 2017-05-10  
[30] US (15/156,973) 2016-05-17
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[13] C

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[25] EN  
[54] SYSTEM AND METHOD TO ACCESS LUNG TISSUE  
[54] SYSTEME ET METHODE DESTINES A ACCEDER AUX TISSUS PULMONAIRES  
[72] KRIMSKY, WILLIAM S., US  
[73] COVIDIEN LP, US  
[86] (2967198)  
[87] (2967198)  
[22] 2017-05-12  
[30] US (15/155,830) 2016-05-16
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[13] C

- [51] Int.Cl. G07F 17/32 (2006.01)  
[25] EN  
[54] SYSTEM AND METHOD WHEREIN GAME PLAYERS VISIT ONE OR MORE COMMUNICATION-ENABLED LOCATIONS TO COLLECT CREDIT FOR LOSING PRIMARY LOTTERY GAME TICKETS  
[54] SYSTEME ET PROCEDE OU DES JOUEURS VISITENT UN OU PLUSIEURS EMPLACEMENTS ACTIVES PAR COMMUNICATION POUR COLLECTER DES CREDITS POUR DES TICKETS DE PREMIER JEU DE LOTERIE PERDANT

[72] MOUND, ANDREW JONATHAN, US

[73] SCIENTIFIC GAMES HOLDINGS LIMITED, IE

[85] 2017-05-10

[86] 2015-11-24 (PCT/IB2015/059096)

[87] (WO2016/087990)

[30] US (62/085,879) 2014-12-01

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[25] EN  
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[54] REGULATEUR DE BALLAST DE RAIL  
[72] BOYD, JAMES WILLIAM, US  
[72] SPENCE, DAVID A., US  
[72] PIPOL, JUSTIN J., US  
[72] THOMPSON, MICHAEL D., US  
[73] NORDCO INC., US  
[86] (2967611)  
[87] (2967611)  
[22] 2015-10-08  
[62] 2,907,381  
[30] US (62064747) 2014-10-16  
[30] US (14856178) 2015-09-16
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[25] EN  
[54] DIRECTION CONTROLLED SERVICE APPARATUS  
[54] APPAREIL DE SERVICE A COMMANDE DIRECTIONNELLE  
[72] BROWN, DOUGLAS A., US  
[72] CHEUNG, KWUN-WING W., US  
[73] THE BOEING COMPANY, US  
[86] (2968157)  
[87] (2968157)  
[22] 2014-02-24  
[62] 2,843,869  
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- [51] Int.Cl. C07K 19/00 (2006.01) A61K 38/17 (2006.01) A61K 38/19 (2006.01) C07K 14/52 (2006.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01)  
[25] EN  
[54] BIFUNCTIONAL POLYPEPTIDES  
[54] POLYPEPTIDES BIFONCTIONNELS  
[72] JAKOBSEN, BENT KARSTEN, GB  
[72] VUIDEPOT, ANNELINE BRIGITTE, GB  
[72] LI, YI, GB  
[73] IMMUNOCORE LIMITED, GB  
[86] (2968393)  
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 [25] EN  
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 [54] STRUCTURE DE COMMUTATION POUR CONNEXION ENTRE CADRE COULISSANT EN METAL POUR DISPOSITIF DE BUSE COULISSANTE ET DISPOSITIF D'ENTRAINEMENT  
 [72] IMAHASE, TOSHIHIRO, JP  
 [72] FUNATO, JUNICHI, JP  
 [73] KROSAKIHARIMA CORPORATION, JP  
 [85] 2017-05-29  
 [86] 2015-12-10 (PCT/JP2015/084671)  
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 [30] JP (2015-038868) 2015-02-27
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 [25] EN  
 [54] LASER INDUCED BREAKDOWN SPECTROSCOPY SAMPLE CHAMBER  
 [54] CHAMBRE D'ECHANTILLON POUR SPECTROSCOPIE PAR CLAQUAGE INDUIT PAR ECLAIR LASER  
 [72] WANG, PEIDONG, US  
 [72] LI, HAOWEN, US  
 [72] SUN, RONG, US  
 [72] BUSH, MICHAEL, US  
 [73] THERMO SCIENTIFIC PORTABLE ANALYTICAL INSTRUMENTS INC., US  
 [85] 2017-06-02  
 [86] 2015-12-04 (PCT/US2015/063876)  
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 [30] US (14/587,502) 2014-12-31

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 [25] EN  
 [54] CARRIER BRAKE FOR PNEUMATIC TRANSPORT SYSTEM  
 [54] FREIN DE TRANSPORTEUR POUR SYSTEME DE TRANSPORT PNEUMATIQUE  
 [72] PARISH, DAVID WARREN, US  
 [72] SERAFIN, DANIEL JOHN, US  
 [72] POPLAWSKY, RALPH CHARLES, US  
 [73] TRANSLOGIC CORPORATION, US  
 [85] 2017-06-09  
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 [25] EN  
 [54] MANGIFERIN-6-O-BERBERINE SALT AND PREPARATION METHOD AND USE THEREOF  
 [54] SEL DE MANGIFERINE-6-O-BERBERINE, SON PROCEDE DE PREPARATION ET SON UTILISATION  
 [72] TENG, HOULEI, CN  
 [72] WU, WEI, CN  
 [72] ZHANG, JINGZHUO, CN  
 [72] LIN, ZHE, CN  
 [73] CHANGZHOU DEZE MEDICAL SCIENCE CO., LTD, CN  
 [85] 2017-06-12  
 [86] 2016-01-06 (PCT/CN2016/070229)  
 [87] (WO2016/110250)  
 [30] CN (CN201510005381.7) 2015-01-07

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 [25] EN  
 [54] APPARATUS FOR MAKING FRESHLY SQUEEZED ORANGE JUICE  
 [54] APPAREIL POUR LA FABRICATION DE JUS D'ORANGE FRAICHEMENT PRESSE  
 [72] DENG, JUN, CN  
 [73] DENG, JUN, CN  
 [85] 2017-06-19  
 [86] 2015-11-25 (PCT/CN2015/095500)  
 [87] (WO2016/101756)  
 [30] CN (201420814083.3) 2014-12-22
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 [25] EN  
 [54] MULTISTAGE FULL WAVEFIELD INVERSION PROCESS THAT GENERATES A MULTIPLE FREE DATA SET  
 [54] PROCEDE D'INVERSION DE CHAMP D'ONDES COMPLET A PLUSIEURS ETAGES QUI GENERE UN ENSEMBLE DE DONNEES SANS MULTIPLES  
 [72] VDOVINA, TETYANA, US  
 [72] BANSAL, REESHIDEV, US  
 [72] BAUMSTEIN, ANATOLY, US  
 [72] TANG, YAXUN, US  
 [72] YANG, DI, US  
 [73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US  
 [85] 2017-06-22  
 [86] 2015-10-26 (PCT/US2015/057292)  
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  - [25] EN
  - [54] USING AUGMENTED REALITY TO COLLECT, PROCESS AND SHARE INFORMATION
  - [54] UTILISATION DE LA REALITE AUGMENTEE POUR COLLECTER, TRAITER ET PARTAGER DES INFORMATIONS
  - [72] JAMISON, DALE E., US
  - [72] WILLIAMS, ROBERT L., US
  - [72] BAR, AMIR, US
  - [73] HALLIBURTON ENERGY SERVICES, INC., US
  - [85] 2017-07-05
  - [86] 2015-02-13 (PCT/US2015/015940)
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- [25] EN
- [54] DISTRIBUTING INFORMATION USING ROLE-SPECIFIC AUGMENTED REALITY DEVICES
- [54] DIFFUSION D'INFORMATIONS A L'AIDE DE DISPOSITIFS DE REALITE AUGMENTEE PROPRES A UN ROLE
- [72] JAMISON, DALE E., US
- [72] WILLIAMS, ROBERT L., US
- [72] BAR, AMIR, US
- [73] HALLIBURTON ENERGY SERVICES, INC., US
- [85] 2017-07-05
- [86] 2015-02-13 (PCT/US2015/015942)
- [87] (WO2016/130161)

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- [25] EN
- [54] 3-ACETYLENYL-PYRAZOLE-PYRIMIDINE DERIVATIVE, AND PREPARATION METHOD THEREFOR AND USES THEREOF
- [54] DERIVE 3-ACETYLENYL-PYRAZOLE-PYRIMIDINE, METHODE DE PREPARATION ET UTILISATIONS CORRESPONDANTES
- [72] YANG, SHENGYONG, CN
- [72] WEI, YUQUAN, CN
- [73] SI CHUAN UNIVERSITY, CN
- [85] 2017-07-07
- [86] 2016-01-12 (PCT/CN2016/070725)
- [87] (WO2016/112846)
- [30] CN (201510016197.2) 2015-01-13

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- [25] EN
- [54] CHROMIUM-CONTAINING WATER TREATMENT METHOD
- [54] PROCEDE DE TRAITEMENT DE L'EAU CONTENANT DU CHROME
- [72] MITSUI, HIROYUKI, JP
- [72] NAKAI, OSAMU, JP
- [72] SHIBAYAMA, KEISUKE, JP
- [72] SHIRAI, SHO, JP
- [73] SUMITOMO METAL MINING CO., LTD., JP
- [85] 2017-07-10
- [86] 2015-09-15 (PCT/JP2015/076199)
- [87] (WO2016/113946)
- [30] JP (2015-004374) 2015-01-13

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[72] YAMANOBE, TETSURO, JP  
[72] MATSUDA, JUN, JP  
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  - [54] PRODUIT RESSEMBLANT A DU TOFU A BASE DE MATIERE DE TOURNESOL, LIN, CAMELINE OU CHANVRE
  - [72] GRAHAM, DARCELLE JULIE, CA
  - [72] HOUSE, JAMES DUNCAN, CA
  - [72] MURPHY, LEE ANNE, CA
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  - [54] DISPOSITIF DE TRANSPORT A CEINTURE COULISSANTE
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 [72] ZHANG, LIN, CN  
 [72] CAO, GUORONG, CN  
 [72] XING, WENZHONG, CN  
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 [72] LAVERACK, JOHN R., US  
 [72] WESEMAN, KURT R., US  
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 [54] PROCEDE D'ASSEMBLAGE POUR VALVE DE CONVERTISSEUR CC  
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  - [54] DOWNHOLE FLUID FLOW CONTROL SYSTEM AND METHOD HAVING AUTONOMOUS FLOW CONTROL
  - [54] SYSTEME DE REGLAGE DE DEBIT DE FLUIDE EN FOND DE TROU ET PROCEDE AYANT UN REGLAGE DE DEBIT AUTONOME
  - [72] ZHAO, LIANG, US
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- [54] DISPOSITIF DE BLOCAGE AMELIORE DESTINE A UNE PORTE CORNADIS
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- [54] JOINT D'ETANCHEITE, ET KIT DESTINE A ETRE UTILISE AVEC DES TOILETTES
- [72] LOGGIA, ROSARIO, CA
- [72] CARDINALE, CLAUDIO, CA
- [72] CARDINALE, ALFI, CA
- [72] PETCU, GEORGHE ADRIAN, CA
- [72] DI FRANCO, JOSEPH ISIDORO, CA
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- [85] 2018-05-02
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  - [54] IMAGE PROJECTION DEVICE
  - [54] DISPOSITIF DE PROJECTION D'IMAGE
  - [72] REBOT, NATALIE ROSANNA, CA
  - [73] MOONLITE WORLD INC., CA
  - [86] (3005079)
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- [25] FR
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- [54] PROCEDES D'ECRITURE ET DE LECTURE DE DONNEES PAR FLUORESCENCE SUR UN SUPPORT PHOTOSENSIBLE, SUPPORT ET DISPOSITIFS ASSOCIES
- [72] CANIONI, LIONEL STEPHANE, FR
- [72] CARDINAL, THIERRY, FR
- [72] BOUSQUET, BRUNO, FR
- [72] ROYON, ARNAUD, FR
- [72] BELLEC, MATTHIEU, FR
- [72] BOURHIS, KEVIN, FR
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  - [54] SYSTEME DE PILE A COMBUSTIBLE A OXYDE SOLIDE ET PROCEDE DE COMMANDE DE SYSTEME DE PILE A COMBUSTIBLE A OXYDE SOLIDE
  - [72] YAMAZAKI, TETSUSHI, JP
  - [72] YAGUCHI, TATSUYA, JP
  - [72] SHIOMI, TAKESHI, JP
  - [73] NISSAN MOTOR CO., LTD., JP
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  - [72] TAYLOR, CHARLES DAVID, US
  - [72] BROWN, PAUL ADDISON, US
  - [72] MUELLER, BERTHOLD, US
  - [72] HOFFNER, RANDAL, US
  - [72] ADAMS, STEWART, US
  - [73] MAX LIFE, LLC, US
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  - [25] EN
  - [54] ADAPTIVE FILTERING BASED UPON BOUNDARY STRENGTH
  - [54] SYSTEME DE CODAGE D'IMAGE BASE SUR LA FORCE DE LIMITE
  - [72] SUN, SHIJUN, US
  - [72] LEI, SHAWMIN, US
  - [72] KATATA, HIROYUKI, JP
  - [73] DOLBY INTERNATIONAL AB, NL
  - [86] (3011691)
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  - [72] TO, CHUN YUEN, CN
  - [73] WORLD WIDE DAILY HOLDINGS COMPANY LIMITED, CN
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  - [72] RASMUSSEN, SOREN, DK
  - [73] NOVO NORDISK A/S, DK
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  - [86] 2017-03-03 (PCT/EP2017/054990)
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  - [25] EN
  - [54] SYSTEM AND METHOD FOR GATHERING DATA RELATED TO QUALITY OF SERVICE IN A CUSTOMER SERVICE ENVIRONMENT
  - [54] SYSTEME ET METHODE DE COLLECTE DE DONNEES ASSOCIEES A LA QUALITE DU SERVICE DANS UN ENVIRONNEMENT DE SERVICE A LA CLIENTELE
  - [72] LAGANIÈRE, ROBERT, CA
  - [72] GURRIERI, LUIS E., CA
  - [73] TEMPO ANALYTICS INC., CA
  - [85] 2018-05-31
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- [25] EN
- [54] SECURE PORTABLE ENCASEMENT SYSTEM
- [54] SYSTEME DE COUVERTURE PORTATIF SECURISE
- [72] MCLEAN, HUGH DAVID GEOFFREY, GB
- [72] REDMAN, ANDREW J., GB
- [72] CONNELL, DAVID A., GB
- [72] PHILLIPS, ROBERT J., GB
- [72] ENGLISH, NIALL, IE
- [73] EVERSAFE TECHNOLOGIES LIMITED, GB
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[54] TRANSACTION DE PAIEMENT BIOMETRIQUE SANS APPAREIL MOBILE OU CARTE

[72] LAD, DENIKUMAR D., CA

[72] PANDIT, VIVEK R., CA

[73] LAD, DENIKUMAR D., CA

[73] PANDIT, VIVEK R., CA

[86] (3015041)

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[22] 2018-08-20

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[11] **3,018,140**

[13] C

[51] Int.Cl. H02J 1/00 (2006.01) H02J 1/14 (2006.01)

[25] EN

[54] DIRECT CURRENT POWER GRID VOLTAGE CONTROL METHOD

[54] PROCEDE DE COMMANDE DE TENSION DE RESEAU ELECTRIQUE EN COURANT CONTINU

[72] DING, JIUDONG, CN

[72] LU, YU, CN

[72] DONG, YUNLONG, CN

[72] LI, GANG, CN

[72] HU, ZHAOQING, CN

[73] NR ELECTRIC CO., LTD., CN

[73] NR ENGINEERING CO., LTD, CN

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[11] **3,022,764**

[13] C

[51] Int.Cl. G07C 5/08 (2006.01) G06F 17/18 (2006.01)

[25] EN

[54] ANALYZING TELEMATICS DATA WITHIN HETEROGENEOUS VEHICLE POPULATIONS

[54] ANALYSE DE DONNEES TELEMATIQUES DANS DES POPULATIONS DE VEHICULES HETEROGENES

[72] SAINANEY, NARAYAN, CA

[72] VORA, TEJAS, CA

[73] MOJ.IO INC., CA

[85] 2018-10-31

[86] 2017-05-17 (PCT/CA2017/050597)

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[11] **3,025,767**

[13] C

[51] Int.Cl. H01L 21/336 (2006.01) H01L 29/78 (2006.01)

[25] EN

[54] SEMICONDUCTOR DEVICE

[54] DISPOSITIF A SEMI- CONDUCTEUR

[72] NI, WEI, JP

[72] HAYASHI, TETSUYA, JP

[72] HAYAMI, YASUAKI, JP

[72] TANAKA, RYOTA, JP

[73] NISSAN MOTOR CO., LTD., JP

[85] 2018-11-27

[86] 2016-05-30 (PCT/JP2016/065909)

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[25] EN

[54] TRAVEL CONTROL METHOD AND TRAVEL CONTROL APPARATUS

[54] PROCEDE DE COMMANDE DE DEPLACEMENT ET DISPOSITIF DE COMMANDE DE DEPLACEMENT

[72] SATO, KO, JP

[72] KOBAYASHI, MASAHIRO, JP

[72] TAIRA, YASUHISA, JP

[72] FUKATA, OSAMU, JP

[73] NISSAN MOTOR CO., LTD., JP

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[25] EN

[54] A MODULE FOR DEICING A CABLE SHEATH AND METHOD FOR USING THE SAME

[54] UN MODULE DE DEGIVRAGE D'UNE GAINE DE CABLE ET METHODE D'UTILISATION ASSOCIEE

[72] CARNEY, CARSON T., US

[73] RINGNECK AND SON, LLC, US

[86] (3025558)

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[51] **Int.Cl. H02H 7/055 (2006.01) H01F  
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[25] EN

[54] **MONITORING A TRANSFORMER  
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[54] **CONTROLE D'UN  
TRANSFORMATEUR  
COMPRENANT UN  
COMMUTATEUR A PRISES DE  
REGLAGE**

[72] BENGTSSON, TORD, SE

[72] ABEYWICKRAMA, NILANGA, SE

[73] ABB SCHWEIZ AG, CH

[85] 2019-02-25

[86] 2017-08-25 (PCT/EP2017/071433)

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[25] EN  
[54] LOW PROFILE BIN SWEEP  
[54] VIS DE BALAYAGE A PROFIL BAS  
[72] HUNDEBY, DAVID R., CA  
[71] HUNDEBY, DAVID R., CA  
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[41] 2019-07-08
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[25] EN  
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[54] METHODE ET DISPOSITIF DE TRAVERSE PIETONNIERE  
[72] UNKNOWN, ZZ  
[71] GOODWIN, CARL C., CA  
[22] 2018-01-08  
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[25] EN  
[54] PORTABLE AUGER-VACUUM  
[54] ASPIRATEUR-TARIERE PORTATIF  
[72] UNKNOWN, ZZ  
[71] HUNDEBY, DAVID R., CA  
[22] 2018-01-08  
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[25] EN  
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[54] SUPPORT DE VETEMENT ET DE CAPUCHON  
[72] FOX, LAURA, CA  
[72] FOX, KEITH, CA  
[71] FOX, LAURA, CA  
[71] FOX, KEITH, CA  
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[54] PROCEDE ET SYSTEME DE GESTION DE LA CHARGE DE BATTERIES D'UNE PLURALITE D'APPAREILS  
[72] PRIOUR, JOSSELIN, FR  
[72] DELAILLE, BENJAMIN, FR  
[72] DELAILLE, ARNAUD, FR  
[71] POWERUP, FR  
[22] 2018-01-08  
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[25] EN  
[54] METHOD AND APPARATUS TO RETARD BUG INFESTATION TRANSFER  
[54] METHODE ET APPAREIL SERVANT A RETARDER LE TRANSFERT D'INFESTATION D'INSECTES  
[72] DOBSON, TERENCE W., CA  
[71] DOBSON, TERENCE W., CA  
[22] 2018-01-08  
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- [51] Int.Cl. A01K 7/00 (2006.01)  
[25] EN  
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[54] PROTEGE-GOULOTTE D'EAU FLEXIBLE  
[72] MOSES, JOHN M., CA  
[72] EISLER, KURTIS, CA  
[71] MOSES, JOHN M., CA  
[71] EISLER, KURTIS, CA  
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- [25] EN
- [54] BATTERY PACK FOR USE DOWNHOLE HAVING TORSION-LIMITING MEANS
- [54] BLOC PILE DESTINE A UN FOND DE TROU AYANT UN MECANISME DE LIMITATION DE COUPLE
- [72] PARE, QUENTIN, CA
- [72] BROWN, CARL, CA
- [72] ARMSTRONG, TYLER, CA
- [71] CHARGER INDUSTRIES CANADA LP, CA
- [22] 2018-01-08
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- [25] EN
- [54] DEVICE AND METHOD FOR DELIVERING STEAM ONTO AND BEneath A FIELD SURFACE
- [54] DISPOSITIF ET METHODE DE DISTRIBUTION DE VAPEUR SUR ET SOUS UNE SURFACE DE TERRAIN
- [72] GLEIM, RONALD, CA
- [71] GLEIM, RONALD, CA
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- [25] EN
- [54] BOGO. (BOCCI GOLF). GAME-APPARATUS-SET AND METHOD OF PLAY.
- [54] BOGO. (BOCI GOLF). JEU-APPAREIL-ENSEMBLE ET METHODE DE JEU.
- [72] UNKNOWN, ZZ
- [71] KEWELL, BRENT W., CA
- [22] 2018-01-09
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- [25] EN
- [54] PREVENTING DAMAGE FROM DISLODGED CROP SAVING ACCESSORIES
- [54] PREVENTION DES DOMMAGES CAUSES PAR DES ACCESOIRS DE PROTECTION DE CULTURE DETACHES
- [72] DIETRICH, DAVE, CA
- [71] 101288550 SASKATCHEWAN LTD., CA
- [22] 2018-01-09
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- [51] Int.Cl. G06F 3/01 (2006.01) A61B 5/0476 (2006.01)
- [25] EN
- [54] EEG BRAIN-COMPUTER INTERFACE PLATFORM AND PROCESS FOR DETECTION OF CHANGES TO MENTAL STATE
- [54] PLATEFORME D'INTERFACE CERVEAU-ORDINATEUR D'ECG ET PROCEDE DE DETECTION DES MODIFICATIONS DE L'ETAT MENTAL
- [72] MYRDEN, ANDREW, CA
- [72] CHAU, THOMAS TAK KIN, CA
- [71] HOLLAND BLOORVIEW KIDS REHABILITATION HOSPITAL, CA
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- [51] Int.Cl. C07C 51/31 (2006.01)
- [25] EN
- [54] CONVERSION OF WOOD BASED HEMICELLULOSE PREHYDROLYSATE INTO SUCCINIC ACID USING A HETEROGENEOUS ACID CATALYST IN A BIPHASIC SYSTEM
- [54] CONVERSION DE PREHYDROLYSAT D'HEMICELLULOSE A BASE DE BOIS DANS DE L'ACIDE SUCCINIQUE AU MOYEN D'UN CATALYSEUR ACIDE HETEROGENE DANS UN SYSTEME BIPHASIQUE
- [72] RAKSHIT, SUDIP K., CA
- [72] DALLI, SAI S., CA
- [71] LAKEHEAD UNIVERSITY, CA
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- [25] EN
- [54] THUMBSUCKING HABIT CORRECTION DEVICE
- [54] DISPOSITIF DE CORRECTION DE L'HABITUDE DE SUCER LE POUCE
- [72] SAINI, NIRAV, CA
- [71] SAINI, NIRAV, CA
- [22] 2018-01-10
- [41] 2019-07-10

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- [51] Int.Cl. B62J 7/04 (2006.01) B62J 9/00 (2006.01)
- [25] EN
- [54] FAST COMBINATION STRUCTURE FOR BICYCLE REAR SHELF AND LUGGAGE BAG
- [54] STRUCTURE DE COMBINAISON RAPIDE DESTINEE A UN SUPPORT ARRIERE ET UNE SACOCHE DE BICYCLETTE
- [72] CHENG, YUAN-LIN, TW
- [71] ELI INTERNATIONAL ENTERPRISE CO., LTD., TW
- [71] CHENG CHEN, PAO-CHIN, TW
- [22] 2018-01-10
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<p style="text-align: right;">[21] <b>2,991,525</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 8/9789 (2017.01) A61K 8/9767 (2017.01) A61K 8/19 (2006.01) A61K 8/365 (2006.01) A61K 8/44 (2006.01) A61K 8/49 (2006.01) A61K 8/55 (2006.01) A61K 8/67 (2006.01) A61Q 19/00 (2006.01) A61Q 19/08 (2006.01)</p> <p>[25] EN</p> <p>[54] NOOTROPIC AND SKIN SUPPLEMENT COMPOSITIONS AND METHOD OF COLLECTING AND ANALYZING DATA TO PROVIDE A TAILORED SUPPLEMENT</p> <p>[54] COMPOSITIONS NOOTROPIQUES ET COMPOSITION DE SUPPLEMENT POUR LA PEAU ET METHODE DE COLLECTE ET ANALYSE DES DONNEES POUR FOURNIR UN SUPPLEMENT ADAPTE</p> <p>[72] CLARK, ALYSEN, CA</p> <p>[72] MOROZ, SARA, CA</p> <p>[72] CLARK, KEVIN, CA</p> <p>[71] STATERRA INC., CA</p> <p>[22] 2018-01-10</p> <p>[41] 2019-07-10</p>
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<p style="text-align: right;">[21] <b>2,991,560</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A45F 3/00 (2006.01)</p> <p>[25] EN</p> <p>[54] VEST WITH REMOVABLE BACK COMPARTMENT</p> <p>[54] VESTE COMPORTANT UN COMPARTIMENT ARRIERE AMOVIBLE</p> <p>[72] ARCOUETTE, GAUTIER, CA</p> <p>[71] ARCOUETTE, GAUTIER, CA</p> <p>[22] 2018-01-11</p> <p>[41] 2019-07-11</p>
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<p style="text-align: right;">[21] <b>2,991,563</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A63C 5/025 (2006.01) A63C 5/00 (2006.01) A63C 7/00 (2006.01) A63C 13/00 (2006.01)</p> <p>[25] EN</p> <p>[54] SKI SHOES</p> <p>[54] CHAUSSURES DE SKI</p> <p>[72] ARCOUETTE, GAUTIER G. A., CA</p> <p>[71] ARCOUETTE, GAUTIER G. A., CA</p> <p>[22] 2018-01-11</p> <p>[41] 2019-07-11</p>
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<p style="text-align: right;">[21] <b>2,991,570</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B02C 23/14 (2006.01) A61K 36/185 (2006.01) A01H 5/12 (2018.01)</p> <p>[25] EN</p> <p>[54] PROCESS FOR PREPARATION OF HIGH POTENCY DRIED SIFT CANNABIS PRODUCT</p> <p>[54] PROCEDE DE PREPARATION DE PRODUIT DE CANNABIS TAMISE SECHE A POTENTIEL ELEVE</p> <p>[72] ARBUTHNOT, JOHN, CA</p> <p>[72] ARBUTHNOT, WILLIAM, CA</p> <p>[71] DELTA 9 BIO-TECH INC., CA</p> <p>[22] 2018-01-11</p> <p>[41] 2019-07-11</p>
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<p style="text-align: right;">[21] <b>2,991,592</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A63C 5/044 (2006.01) A63C 5/06 (2006.01)</p> <p>[25] EN</p> <p>[54] CAMBER ADJUSTMENT DEVICE FOR SLIDING APPARATUS</p> <p>[54] DISPOSITIF D'AJUSTEMENT DE CAMBRURE DESTINE A UN APPAREIL COUILLANT</p> <p>[72] ARCOUETTE, GAUTIER, CA</p> <p>[71] ARCOUETTE, GAUTIER, CA</p> <p>[22] 2018-01-11</p> <p>[41] 2019-07-11</p>
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<p style="text-align: right;">[21] <b>2,991,613</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G16H 50/20 (2018.01) A61B 5/08 (2006.01) A61B 5/085 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR PREDICTING ACUTE AIRWAYS OBSTRUCTION OF A PATIENT WITH CHRONIC RESPIRATORY DISEASE</p> <p>[54] METHODE DE PREDICTION D'OBSTRUCTION AIGUE DES VOIES RESPIRATOIRES D'UN PATIENT AYANT UNE MALADIE RESPIRATOIRE CHRONIQUE</p> <p>[72] GOBBI, ALESSANDRO, IT</p> <p>[71] RESTECH S.R.L., IT</p> <p>[22] 2018-01-10</p> <p>[41] 2019-07-10</p>
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**Demandes canadiennes mises à la disponibilité du public**  
**7 juillet 2019 au 13 juillet 2019**

<p>[21] <b>2,991,667</b>  [13] A1</p> <p>[51] Int.Cl. F25J 3/02 (2006.01) C10L 3/00 (2006.01)  [25] EN  [54] A METHOD TO RECOVER LPG AND CONDENSATES FROM REFINERIES FUEL GAS STREAMS  [54] UNE METHODE DE RECUPERATION DU GPL ET DES CONDENSATS DES FLUX DE GAZ DE CARBURANT DES RAFINERIES  [72] LOURENCO, JOSE, CA  [72] MILLAR, MACKENZIE, CA  [71] 1304338 ALBERTA LTD., CA  [71] 1304342 ALBERTA LTD., CA  [22] 2018-01-11  [41] 2019-07-11</p> <hr/> <p>[21] <b>2,991,669</b>  [13] A1</p> <p>[51] Int.Cl. H04B 1/40 (2015.01)  [25] EN  [54] SMALL FORM-FACTOR PLUGGABLE TRANSCEIVER  [54] EMETTEUR-RECEPTEUR BRANCHABLE A PETIT FACTEUR  [72] CHEN, YI-MING, CN  [71] AXCEN PHOTONICS CORP., TW  [22] 2018-01-11  [41] 2019-07-11</p> <hr/> <p>[21] <b>2,991,703</b>  [13] A1</p> <p>[51] Int.Cl. H04R 25/00 (2006.01)  [25] EN  [54] HEARING ASSISTANCE DEVICE  [54] DISPOSITIF D'AIDE AUDITIVE  [72] BRENNER, WILLIAM, CA  [72] MICHAEL, JULIUS, CA  [72] KUATSJAH, EUNICE, CA  [72] SMAZOV, ABDURAKHMAN, CA  [71] ORELLO HEARING TECHNOLOGIES INC., CA  [22] 2018-01-11  [41] 2019-07-11</p>	<p>[21] <b>2,991,725</b>  [13] A1</p> <p>[51] Int.Cl. E21B 47/008 (2012.01) F04B 49/06 (2006.01) F04C 14/28 (2006.01) F04D 15/00 (2006.01)  [25] EN  [54] METHOD AND APPARATUS TO PREDICT FAILURE AND CONTROL VIBRATIONS IN A SUBSURFACE ARTIFICIAL LIFT SYSTEM  [54] METHODE ET APPAREIL DE PREDICTION DE DEFAILLANCE ET DE CONTROLE DE VIBRATIONS DANS UN SYSTEME DE LEVAGE ARTIFICIEL EN SOUS-SURFACE  [72] BADKOUBEH, AMIR, CA  [72] MAHDI, ABBAS, CA  [72] SCRUPA, CHRIS, CA  [71] PSI TECHNOLOGIES INC., CA  [22] 2018-01-10  [41] 2019-07-10</p> <hr/> <p>[21] <b>2,991,728</b>  [13] A1</p> <p>[51] Int.Cl. F16K 3/312 (2006.01) F16L 23/02 (2006.01) F16L 55/10 (2006.01)  [25] EN  [54] BLIND FLANGE AND METHOD OF INSTALLING SAME FOR ISOLATING HAZARDOUS ENERGY WITHIN A FACILITY  [54] BRIDE PLEINE ET METHODE D'INSTALLATION DE LADITE BRIDE EN VUE D'ISOLER L'ENERGIE DANGEREUSE A L'INTERIEUR D'UNE INSTALLATION  [72] KLASSEN, JASON, CA  [71] SUNCOR ENERGY INC., CA  [22] 2018-01-12  [41] 2019-07-12</p>	<p>[21] <b>2,991,732</b>  [13] A1</p> <p>[51] Int.Cl. A47C 19/00 (2006.01) A47C 17/04 (2006.01) A61G 7/015 (2006.01) A61G 7/018 (2006.01)  [25] EN  [54] ELECTRIC BED WITH INDEPENDENT ADJUSTING DEVICE FOR WAIST REST  [54] LIT ELECTRIQUE COMPORTANT UN DISPOSITIF D'AJUSTEMENT INDEPENDANT DE SOUTIEN DE TAILLE  [72] HUANG, CHI-CHUNG, CN  [71] APEX HEALTH CARE MFG. INC., CN  [22] 2018-01-12  [41] 2019-07-12</p> <hr/> <p>[21] <b>2,991,755</b>  [13] A1</p> <p>[51] Int.Cl. A61F 13/38 (2006.01)  [25] EN  [54] EAR MAINTENANCE TOOL  [54] OUTIL D'ENTRETIEN DE L'OREILLE  [72] HUNNIFORD, TROY T., CA  [71] HUNNIFORD, TROY T., CA  [22] 2018-01-12  [41] 2019-07-12</p> <hr/> <p>[21] <b>2,991,759</b>  [13] A1</p> <p>[51] Int.Cl. G01B 3/14 (2006.01) B23P 15/00 (2006.01)  [25] EN  [54] CHECKING FIXTURE DEVICE ASSEMBLED FROM PRE-FABRICATED MODULAR BLOCKS AND METHOD OF MAKING  [54] VERIFICATION DE DISPOSITIF D'APPAREIL ASSEMBLE A PARTIR DE BLOCS MODULAIRES PREFABRIQUES ET METHODE DE FABRICATION  [72] SAAVEDRA VILLANUEVA, SERGIO PABLO, CA  [71] SAAVEDRA VILLANUEVA, SERGIO PABLO, CA  [22] 2018-01-12  [41] 2019-07-12</p>
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**Canadian Applications Open to Public Inspection**  
**July 7, 2019 to July 13, 2019**

<p style="text-align: right;">[21] <b>2,992,493</b>  [13] A1</p> <p>[51] Int.Cl. E04F 13/26 (2006.01) E04B 1/84 (2006.01) E04B 9/22 (2006.01)</p> <p>[25] EN</p> <p>[54] CLIP FOR ACOUSTICAL WALL OR CEILING MOUNT</p> <p>[54] ATTACHE POUR MONTAGE SUR UN MUR OU UN PLAFOND ACOUSTIQUE</p> <p>[72] KEENE, JAMES R., US</p> <p>[72] GIBSON, DANIEL, US</p> <p>[71] KEENE BUILDING PRODUCTS CO., INC., US</p> <p>[22] 2018-01-22</p> <p>[41] 2019-07-09</p> <p>[30] US (15/865,577) 2018-01-09</p>	<p style="text-align: right;">[21] <b>3,011,405</b>  [13] A1</p> <p>[51] Int.Cl. B41J 29/00 (2006.01) B41J 2/01 (2006.01) B41J 25/34 (2006.01)</p> <p>[25] EN</p> <p>[54] HEAD POSITION ADJUSTMENT MECHANISM AND LINE HEAD</p> <p>[54] MECANISME D'AJUSTEMENT DE POSITION DE TETE ET TETE DE LIGNE</p> <p>[72] IZAWA, HIDEO, JP</p> <p>[72] OOYAMA, KOUICHI, JP</p> <p>[72] SASAKI, AYUMU, JP</p> <p>[71] MIYAKOSHI PRINTING MACHINERY CO., LTD., JP</p> <p>[22] 2018-07-16</p> <p>[41] 2019-07-10</p> <p>[30] JP (2018-2239) 2018-01-10</p>	<p style="text-align: right;">[21] <b>3,021,168</b>  [13] A1</p> <p>[51] Int.Cl. G06F 21/55 (2013.01) H04L 9/00 (2006.01) H04L 12/22 (2006.01)</p> <p>[25] EN</p> <p>[54] ANTICIPATORY CYBER DEFENSE</p> <p>[54] CYBERDEFENSE ANTICIPATOIRE</p> <p>[72] CRAIG, JOHN A., US</p> <p>[72] JADRANKA, MEAD, US</p> <p>[72] VASATKA, JAMES E., US</p> <p>[71] THE BOEING COMPANY, US</p> <p>[22] 2018-10-16</p> <p>[41] 2019-07-12</p> <p>[30] US (15/870275) 2018-01-12</p>
<p style="text-align: right;">[21] <b>3,010,663</b>  [13] A1</p> <p>[51] Int.Cl. H01M 10/44 (2006.01) H01M 10/48 (2006.01) H02J 7/00 (2006.01)</p> <p>[25] EN</p> <p>[54] CHARGE CONTROL METHOD FOR ALKALINE STORAGE BATTERY AND CHARGER FOR ALKALINE STORAGE BATTERY</p> <p>[54] METHODE DE CONTROLE DE CHARGE DESTINEE A UNE BATTERIE DE STOCKAGE ALCALINE ET CHARGEUR DE BATTERIE DE STOCKAGE ALCALINE</p> <p>[72] OZAWA, NATSUKI, JP</p> <p>[72] IZUMI, YOSHIKAZU, JP</p> <p>[72] OGINO, HIROYUKI, JP</p> <p>[72] SASAYAMA, NAOHARU, JP</p> <p>[72] SAKIYAMA, RYOU, JP</p> <p>[72] TAKEI, MITSUHIRO, JP</p> <p>[72] WADSWORTH, THOMAS A., JP</p> <p>[71] FDK CORPORATION, JP</p> <p>[22] 2018-07-05</p> <p>[41] 2019-07-12</p> <p>[30] JP (2018-003436) 2018-01-12</p>	<p style="text-align: right;">[21] <b>3,011,994</b>  [13] A1</p> <p>[51] Int.Cl. A47B 25/00 (2006.01) A63F 5/00 (2006.01)</p> <p>[25] EN</p> <p>[54] GAMING TABLES FOR ROULETTE AND SIMILAR GAMES</p> <p>[54] TABLES DE JEU POUR ROULETTE ET JEUX SIMILAIRES</p> <p>[72] BACCHI, STEVEN, GB</p> <p>[72] BACCHI, LORENZO, GB</p> <p>[71] GAMTEC INTERNATIONAL LIMITED, GM</p> <p>[22] 2018-07-20</p> <p>[41] 2019-07-09</p> <p>[30] GB (1800332.7) 2018-01-09</p>	<p style="text-align: right;">[21] <b>3,022,081</b>  [13] A1</p> <p>[51] Int.Cl. G01S 19/40 (2010.01) G01S 19/28 (2010.01) G01S 19/52 (2010.01)</p> <p>[25] EN</p> <p>[54] INTELLIGENT SATELLITE EXCLUSION FOR MULTIPATH MITIGATION BASED ON LINE OF SIGHT</p> <p>[54] EXCLUSION DE SATELLITE INTELLIGENT POUR UNE ATTENUATION DE TRAJETS MULTIPLES EN FONCTION D'UNE LIGNE DE VISÉE</p> <p>[72] SCHIPPER, BRIAN, US</p> <p>[72] BRENNER, MATS ANDERS, US</p> <p>[72] MUSIL, MARTIN, US</p> <p>[71] HONEYWELL INTERNATIONAL INC., US</p> <p>[22] 2018-10-24</p> <p>[41] 2019-07-09</p> <p>[30] US (15/866,031) 2018-01-09</p>
<p style="text-align: right;">[21] <b>3,020,971</b>  [13] A1</p> <p>[51] Int.Cl. G06Q 10/00 (2012.01)</p> <p>[25] EN</p> <p>[54] CLUSTERING AND TAGGING ENGINE FOR USE IN PRODUCT SUPPORT SYSTEMS</p> <p>[54] MOTEUR DE GROUPEMENT ET MARQUAGE DESTINE A UNE UTILISATION DANS LES SYSTEMES DE SOUTIEN DE PRODUIT</p> <p>[72] NEFEDOV, NIKOLAI, US</p> <p>[71] THOMSON REUTERS (TAX &amp; ACCOUNTING) INC., US</p> <p>[22] 2018-10-16</p> <p>[41] 2019-07-12</p> <p>[30] US (62/616530) 2018-01-12</p> <p>[30] US (16/122809) 2018-09-05</p>		

**Demandes canadiennes mises à la disponibilité du public**  
**7 juillet 2019 au 13 juillet 2019**

<p style="text-align: right;">[21] <b>3,023,591</b>  [13] A1</p> <p>[51] Int.Cl. A61M 16/00 (2006.01) A61B 5/083 (2006.01) A61H 31/00 (2006.01)</p> <p>[25] FR</p> <p>[54] VENTILATION DEVICE FOR CARDIOPULMONARY RESUSCITATION WITH MONITORING AND DISPLAY OF THE MAXIMUM CO<sub>2</sub> VALUE MEASURED</p> <p>[54] APPAREIL DE VENTILATION POUR REANIMATION CARDIO-PULMONAIRE AVEC MONITORAGE ET AFFICHAGE DE LA VALEUR MAXIMALE DE CO<sub>2</sub> MESUREE</p> <p>[72] RIGOLLOT, MARCEAU, FR</p> <p>[72] RICHARD, JEAN-CHRISTOPHE, FR</p> <p>[72] BADAT, BILAL, FR</p> <p>[71] AIR LIQUIDE MEDICAL SYSTEMS, FR</p> <p>[22] 2018-11-07</p> <p>[41] 2019-07-11</p> <p>[30] FR (1850224) 2018-01-11</p> <hr/> <p style="text-align: right;">[21] <b>3,023,752</b>  [13] A1</p> <p>[51] Int.Cl. C12N 5/10 (2006.01) C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01) C07K 19/00 (2006.01) C12N 15/12 (2006.01) C12N 15/62 (2006.01) C12N 15/85 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD</p> <p>[54] PROCEDE</p> <p>[72] BESWICK, RICHARD, GB</p> <p>[72] CHAN, EMMA, GB</p> <p>[72] PETTICONE, CARLOTTA, GB</p> <p>[72] FAULKNER, JAMES, GB</p> <p>[72] KOTSOPOULOU, EKATERINI, GB</p> <p>[72] PUPE, MARTIN, GB</p> <p>[71] AUTOLUS LIMITED, GB</p> <p>[22] 2018-11-09</p> <p>[41] 2019-07-09</p> <p>[30] GB (1800298.0) 2018-01-09</p>	<p style="text-align: right;">[21] <b>3,024,244</b>  [13] A1</p> <p>[51] Int.Cl. A61F 2/14 (2006.01) A61F 2/90 (2013.01) A61F 9/007 (2006.01)</p> <p>[25] EN</p> <p>[54] DEVICE AND METHOD FOR TREATMENT OF RETINAL DETACHMENT AND OTHER MALADIES OF THE EYE</p> <p>[54] DISPOSITIF ET METHODE DE TRAITEMENT DU DECOLLEMENT DE LA RETINE ET AUTRES MALADIES DE L'OEIL</p> <p>[72] SCHACHAR, IRA H., US</p> <p>[72] SCHACHAR, RONALD A., US</p> <p>[71] SCHACHAR, IRA H., US</p> <p>[71] SCHACHAR, RONALD A., US</p> <p>[22] 2018-11-15</p> <p>[41] 2019-07-10</p> <p>[30] US (15/866,908) 2018-01-10</p> <hr/> <p style="text-align: right;">[21] <b>3,024,430</b>  [13] A1</p> <p>[51] Int.Cl. A61M 16/00 (2006.01) A61B 5/083 (2006.01) A61H 31/00 (2006.01) A61M 16/10 (2006.01)</p> <p>[25] FR</p> <p>[54] VENTILATION DEVICE FOR CARDIOPULMONARY RESUSCITATION WITH DISPLAY OF THE CO<sub>2</sub> TREND</p> <p>[54] APPAREIL DE VENTILATION POUR REANIMATION CARDIO-PULMONAIRE AVEC AFFICHAGE DE LA TENDANCE EN CO<sub>2</sub></p> <p>[72] RICHARD, JEAN-CHRISTOPHE, FR</p> <p>[72] RIGOLLOT, MARCEAU, FR</p> <p>[72] BADAT, BILAL, FR</p> <p>[71] AIR LIQUIDE MEDICAL SYSTEMS, FR</p> <p>[22] 2018-11-15</p> <p>[41] 2019-07-11</p> <p>[30] FR (1850225) 2018-01-11</p>	<p style="text-align: right;">[21] <b>3,024,632</b>  [13] A1</p> <p>[51] Int.Cl. B65D 85/808 (2006.01) A23F 3/00 (2006.01) B65B 29/02 (2006.01)</p> <p>[25] EN</p> <p>[54] TEA BAG WITH STRING ATTACHED STEEP INDICATOR</p> <p>[54] SAC DE THE COMPORTANT UN INDICATEUR D'INFUSION ATTACHE A LA CORDE</p> <p>[72] GARDEN, ALEXANDER JOHN, US</p> <p>[71] GARDEN, ALEXANDER JOHN, US</p> <p>[22] 2018-11-19</p> <p>[41] 2019-07-10</p> <p>[30] US (62/615,748) 2018-01-10</p> <p>[30] WO (PCT/US2018/59066) 2018-11-02</p> <hr/> <p style="text-align: right;">[21] <b>3,025,599</b>  [13] A1</p> <p>[51] Int.Cl. B60P 7/02 (2006.01) B62D 33/04 (2006.01)</p> <p>[25] EN</p> <p>[54] BIAS REGULATED ROLLING TRUCK BED COVER</p> <p>[54] REVETEMENT ROULANT DE PLATEFORME DE CAMION A SOLICITATION REGULEE</p> <p>[72] CARTER, CHAD, US</p> <p>[72] DELONG, RYAN, US</p> <p>[72] FACCHINELLO, JEROME, US</p> <p>[72] COHOON, WILLIAM, US</p> <p>[72] GAARDER, ROBERT, US</p> <p>[72] WINKLE, WILBUR PAUL, III, US</p> <p>[71] TECTUM HOLDINGS, INC., US</p> <p>[22] 2018-11-28</p> <p>[41] 2019-07-09</p> <p>[30] US (62/615,278) 2018-01-09</p> <p>[30] US (15/940,502) 2018-03-29</p> <hr/> <p style="text-align: right;">[21] <b>3,026,541</b>  [13] A1</p> <p>[51] Int.Cl. A47J 31/02 (2006.01) A47J 31/18 (2006.01)</p> <p>[25] EN</p> <p>[54] MICROWAVE COFFEE-MAKER</p> <p>[54] CAFETIERE POUR FOUR A MICRO-ONDES</p> <p>[72] SWARTZ, GARY I, CA</p> <p>[71] SWARTZ, GARY I, CA</p> <p>[22] 2018-12-05</p> <p>[41] 2019-07-09</p>
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**Canadian Applications Open to Public Inspection**  
**July 7, 2019 to July 13, 2019**

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<p>[21] <b>3,026,908</b>  [13] A1</p> <p>[51] Int.Cl. A61B 34/10 (2016.01) A61B 34/20 (2016.01) A61B 17/94 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR LAPAROSCOPIC PLANNING AND NAVIGATION</p> <p>[54] SYSTEMES ET METHODES DE PLANIFICATION ET NAVIGATION D'UNE INTERVENTION LAPAROSCOPIQUE</p> <p>[72] BEGG, NIKOLAI, US</p> <p>[71] COVIDIEN LP, US</p> <p>[22] 2018-12-10</p> <p>[41] 2019-07-11</p> <p>[30] US (15/867,779) 2018-01-11</p>
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<p>[21] <b>3,027,070</b>  [13] A1</p> <p>[51] Int.Cl. B64D 11/04 (2006.01) F16M 11/06 (2006.01) F16M 13/00 (2006.01)</p> <p>[25] EN</p> <p>[54] GALLEY MONUMENT WITH INTEGRATED DISPLAY ARRANGEMENT</p> <p>[54] MONUMENT DE CUISINE A ARRANGEMENT DE PRESENTOIR INTEGRE</p> <p>[72] RIEDEL, CHRISTIAN, DE</p> <p>[71] AIRBUS OPERATIONS GMBH, DE</p> <p>[22] 2018-12-11</p> <p>[41] 2019-07-08</p> <p>[30] DE (102018200139.1) 2018-01-08</p>
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<p>[21] <b>3,027,411</b>  [13] A1</p> <p>[51] Int.Cl. B21D 39/02 (2006.01) B21D 39/04 (2006.01) B25D 9/00 (2006.01) F16L 13/14 (2006.01)</p> <p>[25] EN</p> <p>[54] SEAM LOCKING APPARATUS</p> <p>[54] APPAREIL DE BLOCAGE DE COUTURE</p> <p>[72] BELLISE, ANDREW J., US</p> <p>[72] KRUPNICK, DAVID B., US</p> <p>[72] ROSSETTO, PATRICK, US</p> <p>[71] DURO DYNE CORPORATION, US</p> <p>[22] 2018-12-13</p> <p>[41] 2019-07-12</p> <p>[30] US (15/870,126) 2018-01-12</p>
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<p>[21] <b>3,027,655</b>  [13] A1</p> <p>[51] Int.Cl. B60Q 1/44 (2006.01)</p> <p>[25] EN</p> <p>[54] MODULE FOR CONNECTION OF ENGINE BRAKE SYSTEM TO EXISTING VEHICLE BRAKE LIGHTS</p> <p>[54] MODULE DE CONNEXION D'UN SYSTEME DE FREIN MOTEUR A DES FEUX DE FREINAGE DE VEHICULE EXISTANTS</p> <p>[72] RAWSON, DALE, CA</p> <p>[72] WERBICKI, WESLEY, CA</p> <p>[71] JEBL LTD, CA</p> <p>[22] 2018-12-14</p> <p>[41] 2019-07-12</p> <p>[30] US (62616790) 2018-01-12</p>
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<p>[21] <b>3,028,055</b>  [13] A1</p> <p>[51] Int.Cl. B01D 45/02 (2006.01) E21B 43/34 (2006.01)</p> <p>[25] EN</p> <p>[54] CONTROLLED HIGH PRESSURE SEPARATOR FOR PRODUCTION FLUIDS</p> <p>[54] SEPARATEUR HAUTE PRESSION CONTROLE DESTINE AUX FLUIDES DE PRODUCTION</p> <p>[72] ELMER, WILLIAM G., US</p> <p>[71] ENCLINE ARTIFICIAL LIFT TECHNOLOGIES LLC, US</p> <p>[22] 2018-12-19</p> <p>[41] 2019-07-11</p> <p>[30] US (62/616,119) 2018-01-11</p> <p>[30] US (16/199,145) 2018-11-24</p>
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<p>[21] <b>3,028,195</b>  [13] A1</p> <p>[51] Int.Cl. C22F 1/04 (2006.01) B22F 3/16 (2006.01) B22F 3/24 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR IMPROVING FATIGUE STRENGTH ON SIZED ALUMINUM POWDER METAL COMPONENTS</p> <p>[54] METHODE D'AMELIORATION DE LA RESISTANCE A LA FATIGUE SUR DES COMPOSANTES METALLIQUES A POUDRE D'ALUMINIUM DIMENSIONNEES</p> <p>[72] BISHOP, DONALD P., CA</p> <p>[72] HARDING, MATTHEW D., CA</p> <p>[72] HEXEMER, RICHARD L., JR., US</p> <p>[72] DONALDSON, IAN W., US</p> <p>[71] GKN SINTER METALS, LLC, US</p> <p>[22] 2018-12-20</p> <p>[41] 2019-07-10</p> <p>[30] US (62/615,799) 2018-01-10</p>
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<p>[21] <b>3,028,292</b>  [13] A1</p> <p>[51] Int.Cl. B64D 11/04 (2006.01) E05B 47/00 (2006.01) E05B 65/00 (2006.01) F16B 1/02 (2006.01)</p> <p>[25] EN</p> <p>[54] GALLEY MONUMENT WITH ELECTRICAL LOCKING FOR AN AIRCRAFT OR SPACECRAFT</p> <p>[54] MONUMENT DE CUISINE A VERRUILLAGE ELECTRIQUE DESTINE A UN AERONEF OU A UN ENGIN AEROSPATIAL</p> <p>[72] RIEDEL, CHRISTIAN, DE</p> <p>[72] LUEDTKE, MICHAEL, DE</p> <p>[71] AIRBUS OPERATIONS GMBH, DE</p> <p>[22] 2018-12-20</p> <p>[41] 2019-07-08</p> <p>[30] DE (102018200141.3) 2018-01-08</p>
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**Demandes canadiennes mises à la disponibilité du public**  
**7 juillet 2019 au 13 juillet 2019**

<p style="text-align: right;">[21] <b>3,028,555</b>  [13] A1</p> <p>[51] Int.Cl. G06F 8/65 (2018.01)  [25] EN  [54] <b>METHOD AND SYSTEM FOR CONTROLLING SOFTWARE UPDATES ON A NETWORK CONNECTED DEVICE</b>  [54] <b>METHODE ET SYSTEME DE CONTROLE DES MISES A JOUR DE LOGICIELS SUR UN DISPOSITIF CONNECTE EN RESEAU</b>  [72] WILLIS, EDWARD SNOW, CA  [72] QADERI, HASHIM MOHAMMAD, CA  [72] HUTCHENS, SCOTT, CA  [72] INGLIS, DAVID ALAN, CA  [71] BLACKBERRY LIMITED, CA  [22] 2018-12-27  [41] 2019-07-12  [30] US (15/869,868) 2018-01-12</p>	<p style="text-align: right;">[21] <b>3,028,755</b>  [13] A1</p> <p>[51] Int.Cl. E04G 17/00 (2006.01) E04G 11/06 (2006.01)  [25] EN  [54] <b>CONCRETE FORM BRACKET FOR USE IN CASTING A FOUNDATION WALL INTEGRAL WITH A FLOOR</b>  [54] <b>SUPPORT DE COFFRAGE EN BETON DESTINE A LA COULEE D'UNE PAROI DE FONDATION COMPORTANT INTEGRALEMENT UN PLANCHER</b>  [72] REIMER, JOHAN, CA  [71] REIMER, JOHAN, CA  [22] 2019-01-02  [41] 2019-07-10  [30] US (62/615,736) 2018-01-10</p>	<p style="text-align: right;">[21] <b>3,028,805</b>  [13] A1</p> <p>[51] Int.Cl. F16N 29/02 (2006.01) F01M 11/00 (2006.01) F16N 27/00 (2006.01)  [25] EN  [54] <b>BYPASS SYSTEM FOR REGULATING LUBRICATION OF RECIPROCATING MACHINES</b>  [54] <b>SYSTEME DE DERIVATION POUR REGULER LA LUBRIFICATION DE MACHINES A MOUVEMENT ALTERNATIF</b>  [72] ELMESSIDI, ASHRAF O., US  [72] FARMAHINI, MOIEN, US  [72] HURLEY, THOMAS, US  [72] KAZEMPOOR, PEJMAN, US  [72] ALKADI, NASR, US  [71] GE OIL &amp; GAS COMPRESSION SYSTEMS, LLC, US  [22] 2019-01-03  [41] 2019-07-08  [30] US (15/864,653) 2018-01-08</p>
<p style="text-align: right;">[21] <b>3,028,556</b>  [13] A1</p> <p>[51] Int.Cl. H04L 12/24 (2006.01) H04L 9/30 (2006.01) H04L 9/32 (2006.01) H04L 12/12 (2006.01)  [25] EN  [54] <b>METHOD AND SYSTEM FOR SECURELY PROVISIONING A REMOTE DEVICE</b>  [54] <b>METHODE ET SYSTEME D'ALIMENTATION SECURISEE D'UN DISPOSITIF ELOIGNE</b>  [72] WILLIS, EDWARD SNOW, CA  [72] QADERI, HASHIM MOHAMMAD, CA  [72] HUTCHENS, SCOTT, CA  [72] INGLIS, DAVID ALAN, CA  [71] BLACKBERRY LIMITED, CA  [22] 2018-12-27  [41] 2019-07-12  [30] US (15/869,824) 2018-01-12</p>	<p style="text-align: right;">[21] <b>3,028,781</b>  [13] A1</p> <p>[51] Int.Cl. B65B 31/00 (2006.01)  [25] EN  [54] <b>APPARATUS AND METHOD FOR VACUUM PACKAGING SOLID DRILLING FLUID ADDITIVES</b>  [54] <b>APPAREIL ET PROCEDE D'EMBALLAGE SOUS VIDE D'ADDITIFS DE FLUIDE DE FORAGE SOLIDES</b>  [72] SINGH, ANILKUMAR, IN  [72] THAKUR, SWAPNIL, IN  [72] BAMGUDE, RITESH, IN  [71] GUMPRO DRILLING FLUIDS PVT. LTD., IN  [22] 2019-01-02  [41] 2019-07-08  [30] IN (201821000836) 2018-01-08</p>	<p style="text-align: right;">[21] <b>3,028,885</b>  [13] A1</p> <p>[51] Int.Cl. H01R 12/83 (2011.01) H01R 12/72 (2011.01)  [25] EN  [54] <b>CARD EDGE CONNECTOR SYSTEM</b>  [54] <b>SYSTEME DE CONNECTEUR DE BORD DE CARTE</b>  [72] ANNIS, KYLE GARY, US  [72] THACKSTON, KEVIN MICHAEL, US  [72] MARTIN, ANDREW MONROE, US  [71] TE CONNECTIVITY CORPORATION, US  [22] 2019-01-04  [41] 2019-07-11  [30] US (15/867998) 2018-01-11</p>
<p style="text-align: right;">[21] <b>3,028,795</b>  [13] A1</p> <p>[51] Int.Cl. B32B 5/04 (2006.01) B32B 5/06 (2006.01) B32B 5/12 (2006.01)  [25] EN  [54] <b>ASYMMETRICAL STRETCH COMPOSITE FOR PIPE LINER</b>  [54] <b>COMPOSITE ETIRABLE ASYMETRIQUE DESTINEE A UN REVETEMENT INTERIEUR DE TUYAU</b>  [72] CHOI, JIN YOUNG, US  [72] LEWIS, JOHN, US  [71] LYDALL, INC., US  [22] 2019-01-03  [41] 2019-07-10  [30] US (62/615,562) 2018-01-10</p>	<p style="text-align: right;">[21] <b>3,028,906</b>  [13] A1</p> <p>[51] Int.Cl. G06Q 30/02 (2012.01)  [25] EN  [54] <b>METHOD AND APPARATUS FOR PROMOTING SALES AND INCREASING BRAND NAME RECOGNITION</b>  [54] <b>METHODE ET APPAREIL DE PROMOTION DES VENTES ET D'AUGMENTATION DE LA RECONNAISSANCE DU NOM DE MARQUE</b>  [72] DORIS, ERROL S., SR., US  [71] DORIS, ERROL S., SR., US  [22] 2019-01-04  [41] 2019-07-10  [30] US (15/866,996) 2018-01-10</p>	

**Canadian Applications Open to Public Inspection**  
**July 7, 2019 to July 13, 2019**

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[21] 3,028,908
[13] A1
[51] Int.Cl. G01K 7/02 (2006.01) A61B 5/01 (2006.01) A61B 5/042 (2006.01) A61B 18/14 (2006.01)
[25] EN
[54] POSITION-BIASING THERMOCOUPLE
[54] THERMOCOUPLE ORIENTANT LA POSITION
[72] RAO, ANAND, US
[72] SELKEE, THOMAS, US
[72] DATTA, KESHAVA, US
[72] NGUYEN, THANH, US
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-01-04
[41] 2019-07-10
[30] US (15/867,454) 2018-01-10

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[21] 3,028,909
[13] A1
[51] Int.Cl. A61B 8/12 (2006.01)
[25] EN
[54] MAPPING OF INTRA-BODY CAVITY USING A DISTRIBUTED ULTRASOUND ARRAY ON BASKET CATHETER
[54] CARTOGRAPHIE DE LA CAVITE INTRACORPORELLE AU MOYEN D'UN RESEAU ULTRASONORE DISTRIBUE SUR UN CATHETER PANIER
[72] BARAM, ALON, IL
[72] BAR-TAL, MEIR, IL
[72] SIGAL, ALONA, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-01-04
[41] 2019-07-10
[30] US (15/866,784) 2018-01-10

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[21] 3,028,915
[13] A1
[51] Int.Cl. H01H 85/08 (2006.01) H02K 11/25 (2016.01) H02H 7/08 (2006.01)
[25] EN
[54] THERMAL LIMITER FUSE SYSTEM FOR ELECTRIC MOTOR PROTECTION
[54] SYSTEME DE FUSIBLE LIMITEUR THERMIQUE ASSURANT LA PROTECTION D'UN MOTEUR ELECTRIQUE
[72] DOUGLASS, ROBERT STEPHEN, US
[72] AUSTIN, KELLY RUTH, US
[72] BHANSALI, ANIL PURSOTTOM, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2019-01-04
[41] 2019-07-09
[30] US (15/865697) 2018-01-09

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[21] 3,028,916
[13] A1
[51] Int.Cl. G01S 19/42 (2010.01) G01S 19/28 (2010.01)
[25] EN
[54] INTELLIGENT SATELLITE EXCLUSION FOR MULTIPATH MITIGATION BASED ON LINE OF SIGHT
[54] EXCLUSION DE SATELLITE INTELLIGENT POUR UNE ATTENUATION DE TRAJETS MULTIPLES EN FONCTION D'UNE LIGNE DE VISEE
[72] SCHIPPER, BRIAN, US
[72] BRENNER, MATS ANDERS, US
[72] MUSIL, MARTIN, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2019-01-04
[41] 2019-07-09
[30] US (15/866031) 2018-01-09

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[21] 3,029,036
[13] A1
[51] Int.Cl. B23P 6/04 (2006.01) B23K 9/04 (2006.01) B23K 9/23 (2006.01)
[25] EN
[54] METHOD FOR REPAIRING MAGNESIUM CASTINGS
[54] METHODE DE REPARATION DES MOULAGES DE MAGNESIUM
[72] VERRIER, PIERRE, CA
[72] OUELLET, THEO, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-01-07
[41] 2019-07-12
[30] US (62/617,063) 2018-01-12
[30] US (15/958,191) 2018-04-20

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[21] 3,029,221
[13] A1
[51] Int.Cl. F24F 13/10 (2006.01) F24F 11/30 (2018.01) F24F 11/62 (2018.01) F24F 11/72 (2018.01) F16K 31/04 (2006.01)
[25] EN
[54] DAMPER CONTROL ASSEMBLY & METHOD FOR USE IN AIR FLOW SYSTEM
[54] ENSEMBLE DE COMMANDE PAR REGISTRE ET PROCEDE D'UTILISATION DANS UN SYSTEME D'ECOULEMENT D'AIR
[72] BLANCHARD, SIMON, CA
[72] MICHAUD, STEPHANE, CA
[72] BAZIN, FREDERIC, CA
[71] BROAN-NUTONE LLC, US
[22] 2019-01-08
[41] 2019-07-08
[30] US (62/614,840) 2018-01-08
[30] US (62/614,848) 2018-01-08

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[21] 3,029,224
[13] A1
[51] Int.Cl. E04H 17/04 (2006.01) E04H 17/16 (2006.01)
[25] EN
[54] RAZOR WIRE BARRIER FOR ACCESS POINT SECURITY
[54] BARRIERE A FIL RASOIR POUR SECURITE DE POINT D'ACCES
[72] BEAGEN, JOSEPH, US
[72] HOWE, WILLIAM TYLER, US
[72] SAMARA, CARMEN, US
[71] ALLIED TUBE AND CONDUIT CORPORATION, US
[22] 2019-01-08
[41] 2019-07-09
[30] US (15/865,672) 2018-01-09

**Demandes canadiennes mises à la disponibilité du public**  
**7 juillet 2019 au 13 juillet 2019**

<p style="text-align: right;">[21] <b>3,029,232</b>  [13] A1</p> <p>[51] Int.Cl. G01K 7/02 (2006.01) A61B 5/01 (2006.01) A61B 18/14 (2006.01)  [25] EN  [54] THERMALLY ISOLATED THERMOCOUPLE  [54] THERMOCOUPLE ISOLE THERMIQUEMENT  [72] RAO, ANAND, IL  [72] SELKEE, THOMAS, IL  [72] DATTA, KESHAVA, IL  [72] NGUYEN, THANH, IL  [71] BIOSENSE WEBSTER (ISRAEL) LTD., IL  [22] 2019-01-08  [41] 2019-07-10  [30] US (15/867,451) 2018-01-10</p>	<p style="text-align: right;">[21] <b>3,029,292</b>  [13] A1</p> <p>[51] Int.Cl. H01H 83/00 (2006.01)  [25] EN  [54] CIRCUIT INTERRUPTION DEVICE WITH THERMAL PROTECTION  [54] DISPOSITIF INTERRUPTION DE CIRCUIT DOTE D'UNE PROTECTION THERMIQUE  [72] YANG, LIN, CN  [72] XIONG, TAO, CN  [72] ZHUANG, CHUANCHUAN, CN  [72] ZHANG, XIANZHEN, CN  [72] ZHANG, FENGGUO, CN  [71] EATON INTELLIGENT POWER LIMITED, IE  [22] 2019-01-08  [41] 2019-07-10  [30] US (15/866865) 2018-01-10</p>	<p style="text-align: right;">[21] <b>3,029,303</b>  [13] A1</p> <p>[51] Int.Cl. F23C 13/06 (2006.01) F23M 20/00 (2014.01) B60H 1/22 (2006.01) F23J 15/00 (2006.01) F24H 9/00 (2006.01)  [25] EN  [54] COMBUSTION CHAMBER MODULE  [54] MODULE DE CHAMBRE DE COMBUSTION  [72] HUMBERG, MICHAEL, DE  [72] PFISTER, WOLFGANG, DE  [71] EBERSPACHER CLIMATE CONTROL SYSTEMS GMBH &amp; CO. KG, DE  [22] 2019-01-07  [41] 2019-07-08  [30] DE (10 2018 100 216.5) 2018-01-08</p>
<p style="text-align: right;">[21] <b>3,029,277</b>  [13] A1</p> <p>[51] Int.Cl. E02D 5/38 (2006.01)  [25] FR  [54] UHPC POST - COMPOSITE POST  [54] PIEU EN BFUP - PIEU COMPOSITE  [72] BRUGEAUD, YVES, FR  [71] BRUGEAUD, YVES, FR  [71] CONSEIL SERVICE INVESTISSEMENTS, FR  [22] 2019-01-07  [41] 2019-07-08  [30] FR (18 50141) 2018-01-08</p>	<p style="text-align: right;">[21] <b>3,029,293</b>  [13] A1</p> <p>[51] Int.Cl. H01H 83/02 (2006.01) H01H 71/04 (2006.01)  [25] EN  [54] AUDIBLE GROUND FAULT BUZZER CIRCUIT  [54] CIRCUIT D'ALERTE DE DEFAUT DE TERRE AUDIBLE  [72] YANG, LIN, CN  [72] XIONG, TAO, CN  [72] ZHANG, HAIDONG, CN  [72] ZHANG, XIANZHEN, CN  [72] ZHANG, SHIFANGN, CN  [71] EATON INTELLIGENT POWER LIMITED, IE  [22] 2019-01-08  [41] 2019-07-10  [30] US (15/866881) 2018-01-10</p>	<p style="text-align: right;">[21] <b>3,029,312</b>  [13] A1</p> <p>[51] Int.Cl. G10L 15/32 (2013.01) G10L 15/22 (2006.01)  [25] EN  [54] MEDIA SEARCH FILTERING MECHANISM FOR SEARCH ENGINE  [54] MECANISME DE FILTRAGE DE RECHERCHE DE MEDIAS POUR MOTEUR DE RECHERCHE  [72] MIN, RUI, US  [72] WANG, HONGCHENG, US  [71] COMCAST CABLE COMMUNICATIONS, LLC, US  [22] 2019-01-07  [41] 2019-07-08  [30] US (15/864,282) 2018-01-08</p>
<p style="text-align: right;">[21] <b>3,029,289</b>  [13] A1</p> <p>[51] Int.Cl. E01C 9/08 (2006.01) E01C 9/10 (2006.01) E01D 15/133 (2006.01)  [25] EN  [54] MODULAR FLOORING TILES AND SYSTEM  [54] DALLES MODULAIRES ET SYSTEME DE DALLES MODULAIRES  [72] JONES, CHAD H., US  [72] GONZALEZ, MARCOS, US  [71] SIGNATURE SYSTEMS GROUP, LLC, US  [22] 2019-01-08  [41] 2019-07-09  [30] US (62/615,076) 2018-01-09</p>		

**Canadian Applications Open to Public Inspection**  
**July 7, 2019 to July 13, 2019**

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<p>[21] <b>3,029,352</b>  [13] A1</p> <p>[51] Int.Cl. G06K 19/073 (2006.01) G06Q 20/34 (2012.01) G06Q 20/40 (2012.01) G06F 21/77 (2013.01)</p> <p>[25] EN</p> <p>[54] UTILIZING A TRANSACTION CARD TO PROVIDE SECONDARY AUTHENTICATION FOR ACCESSING A SECURE APPLICATION WITH A USER DEVICE</p> <p>[54] UTILISATION D'UNE CARTE DE TRANSACTION POUR FOURNIR UNE AUTHENTIFICATION SECONDAIRE EN VUE D'UN ACCES A UNE APPLICATION SECURISEE AU MOYEN D'UN DISPOSITIF UTILISATEUR</p> <p>[72] ZAKARAS, JAMES, US  [72] JOHNSON, MOLLY, US  [72] PERRY, ROBERT, US  [72] KOEPPEL, ADAM, US  [72] LOCKE, TYLER, US  [71] CAPITAL ONE SERVICES, LLC, US  [22] 2019-01-09  [41] 2019-07-10  [30] US (15/867233) 2018-01-10</p>
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<p>[21] <b>3,029,354</b>  [13] A1</p> <p>[51] Int.Cl. F24B 1/195 (2006.01) F24B 1/189 (2006.01) F24C 3/00 (2006.01)</p> <p>[25] EN</p> <p>[54] OPEN HEARTH FIREPLACE SYSTEMS AND METHODS</p> <p>[54] SYSTEMES ET PROCEDES DE FOYER OUVERT</p> <p>[72] MCCORMICK, COLIN, US  [72] FOX, DAVID, US  [72] TULL, DAVID, US  [71] HNI TECHNOLOGIES INC., US  [22] 2019-01-09  [41] 2019-07-09  [30] US (62/615,260) 2018-01-09</p>
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<p>[21] <b>3,029,357</b>  [13] A1</p> <p>[51] Int.Cl. B65G 17/36 (2006.01) B65G 17/30 (2006.01) B65G 47/40 (2006.01) B65G 65/42 (2006.01) B66B 17/08 (2006.01)</p> <p>[25] EN</p> <p>[54] ELEVATOR BUCKETS</p> <p>[54] GODETS D'ELEVATEUR</p> <p>[72] BRAIME, NICHOLAS, GB</p> <p>[71] T.F. &amp; J.H. BRAIME (HOLDINGS) LIMITED, GB</p> <p>[22] 2019-01-09</p> <p>[41] 2019-07-09</p> <p>[30] GB (1800350.9) 2018-01-09</p>
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<p>[21] <b>3,029,366</b>  [13] A1</p> <p>[51] Int.Cl. G01V 3/12 (2006.01) H05B 37/02 (2006.01) G06N 3/02 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM LEVEL OCCUPANCY COUNTING IN A LIGHTING SYSTEM</p> <p>[54] COMPTE D'OCCUPATION AU NIVEAU SYSTEME DANS UN SYSTEME D'ECLAIRAGE</p> <p>[72] LU, MIN-HAO MICHAEL, US  [72] MIU, MICHAEL, US  [72] JOHNSON, ERIC J., US  [71] ABL IP HOLDING LLC, US  [22] 2019-01-09  [41] 2019-07-12  [30] US (15/870,003) 2018-01-12</p>
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<p>[21] <b>3,029,367</b>  [13] A1</p> <p>[51] Int.Cl. E04F 21/18 (2006.01) E04F 13/08 (2006.01) E04F 15/02 (2006.01) E04F 21/20 (2006.01)</p> <p>[25] EN</p> <p>[54] KNOB FOR LEVELING SPACER FOR LAYING WALL TILES, FLOOR TILES AND THE LIKE</p> <p>[54] BOUTON DESTINE A UN ESPACEUR DE NIVELLEMENT SERVANT A POSER DES CARREAUX AU MUR, DES CARREAUX AU PLANCHER ET AUTRES SEMBLABLES</p> <p>[72] BORDIN, DENNIS, IT  [71] PROGRESS PROFILES SPA, IT  [22] 2019-01-08  [41] 2019-07-12  [30] IT (202018000000694) 2018-01-12</p>
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<p>[21] <b>3,029,368</b>  [13] A1</p> <p>[51] Int.Cl. G01T 1/02 (2006.01) H04W 84/10 (2009.01) G02C 11/00 (2006.01) G08C 17/02 (2006.01)</p> <p>[25] EN</p> <p>[54] AN ELECTRONIC PERSONAL DOSIMETER SMART ACCESSORY SYSTEM</p> <p>[54] SYSTEME D'ACCESSOIRE INTELLIGENT POUR DOSIMETRE ELECTRONIQUE PERSONNEL</p> <p>[72] WIGHT, JASON, CA  [72] BANDS, CLIVE, CA  [72] IZDEBSKA, KATARZYNA, CA  [72] ABDELSAMIE, AHMED, CA  [71] ONTARIO POWER GENERATION INC., CA  [22] 2019-01-09  [41] 2019-07-09  [30] US (62/615,232) 2018-01-09</p>
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<p>[21] <b>3,029,369</b>  [13] A1</p> <p>[51] Int.Cl. G06Q 20/08 (2012.01) G06Q 20/38 (2012.01)</p> <p>[25] EN</p> <p>[54] DYNAMIC MICROPAYMENT SELECTOR</p> <p>[54] SELECTEUR DE MICROPAIEMENT DYNAMIQUE</p> <p>[72] BARAKAT, WAYNE, US  [72] BRICKLIN, NATHAN CRAIG, US  [72] KUSHNER, KRISTINE ING, US  [72] LEE, YUNG UNG, US  [72] LEIGHTON, ANDREA RENEE, US  [72] OLDRYD, ORSOLYA, US  [72] RHODRIQUEZ, WAIRNOLA MARRIA, US  [72] VITTIMBERGA, PAUL, US  [72] YANG, RONALD H., US  [71] THE TORONTO-DOMINION BANK, CA  [22] 2019-01-09  [41] 2019-07-12  [30] US (15/870,045) 2018-01-12</p>
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**Demandes canadiennes mises à la disponibilité du public**  
**7 juillet 2019 au 13 juillet 2019**

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[21] <b>3,029,372</b> [13] A1
[51] Int.Cl. H04W 72/08 (2009.01) H04W 74/08 (2009.01) H04B 17/309 (2015.01)
[25] EN
[54] BEAM SELECTION IN BEAM FAILURE RECOVERY REQUEST RETRANSMISSION
[54] SELECTION DE FAISCEAUX DANS UNE RETRANSMISSION DE DEMANDES DE REPRISE SUR DEFAILLANCE DE FAISCEAU
[72] CIRIK, ALI, US
[72] DINAN, ESMAEL, US
[72] BABAEI, ALIREZA, US
[72] JEON, HYOUNGSUK, US
[72] PARK, KYUNGMIN, US
[72] ZHOU, HUA, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2019-01-09
[41] 2019-07-09
[30] US (62/615,277) 2018-01-09
[30] US (62/615,269) 2018-01-09

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[51] Int.Cl. G01P 3/44 (2006.01) F01D 17/06 (2006.01) G01L 5/00 (2006.01) G01P 3/488 (2006.01)
[25] EN
[54] MAGNETIC GAS TURBINE SENSOR
[54] CAPTEUR MAGNETIQUE DE TURBINE A GAZ
[72] EWING, JAMES, GB
[72] KUICZYK, WOJCIECH KONRAD, GB
[72] TURNER, NIGEL, GB
[71] WESTON AEROSPACE LIMITED, GB
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[30] GB (1800330.1) 2018-01-09

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[25] EN
[54] N-ANNULATED PERYLENE DIIMIDE WITH ACTIVE PYRROLLIC N-H BONDS
[54] DIIMIDE PERPYENE A ANNEAU EN N COMPORANT DES LIENS PYRROLES N-H ACTIFS
[72] WELCH, GREGORY C., CA
[72] HENDSBEE, ARTHUR D., CA
[71] UTI LIMITED PARTNERSHIP, CA
[22] 2019-01-08
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[51] Int.Cl. B64D 47/00 (2006.01) B64D 31/00 (2006.01)
[25] EN
[54] METHODS SYSTEM FOR REAL- TIME ASSESSMENT AND ASSISTANCE OF REDUCED ENGINE TAXI OPERATIONS FOR AN AIRCRAFT
[54] METHODES, SYSTEMES D'EVALUATION ET ASSISTANCE EN TEMPS REEL DES OPERATIONS DE TAXI A MOTEUR REDUIT DESTINES A UN AERONEF
[72] JAYATHIRTHA, SRIHARI, IN
[72] KHAN, KALIMULLA, IN
[72] SHAMASUNDAR, RAGHU, IN
[72] SIVARATRI, MAHESH, IN
[72] KIROV, CHAVDAR, BG
[72] KAMOV, DRAGOMIR, US
[72] MOLNAR, KAROL, US
[72] FOLTAN, STANISLAV, US
[72] MUNDEL, KAREL, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2019-01-09
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[54] SYSTEME DE CAPTEUR LIDAR
[72] ESFAHANY, SIAMAK A., CA
[72] HOANG, VIET, CA
[72] PAULSON, MURRAY, CA
[72] UTKIN, ILYA, CA
[72] BRIZEL, KEN, CA
[71] ALBERTA CENTRE FOR ADVANCED MNT PRODUCTS, CA
[22] 2019-01-09
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[13] A1	[13] A1	[13] A1
[51] Int.Cl. A61K 8/9767 (2017.01) A61K 8/9789 (2017.01) A61K 8/35 (2006.01) A61K 8/365 (2006.01) A61K 8/41 (2006.01) A61K 8/44 (2006.01) A61K 8/46 (2006.01) A61K 8/49 (2006.01) A61K 8/58 (2006.01) A61K 8/60 (2006.01) A61K 8/65 (2006.01) A61K 8/67 (2006.01) A61Q 19/00 (2006.01)	[51] Int.Cl. G01N 21/21 (2006.01)	[51] Int.Cl. A62C 31/02 (2006.01) A62C 35/68 (2006.01)
[25] EN	[25] EN	[25] EN
[54] NOOTROPIC AND SKIN SUPPLEMENT COMPOSITIONS AND METHOD TO PROVIDE A TAILORED SUPPLEMENT	[54] SYSTEM, METHOD AND APPARATUS FOR MEASURING POLARIZATION USING SPATIALLY-VARYING POLARIZATION BEAMS	[54] END CAP AGENT NOZZLE
[54] COMPOSITIONS NOOTROPIQUES ET COMPOSITION DE SUPPLEMENT POUR LA PEAU ET METHODE PERMETTANT DE FOURNIR UN SUPPLEMENT ADAPTE	[54] SYSTEME, METHODE ET APPAREIL DE MESURE DE LA POLARISATION UTILISANT DES FAISCEAUX DE POLARISATION A VARIATION SPATIALE	[54] BUSE D'AGENT DE CAPUCHON D'EXTREMITE
[72] CLARK, ALYSEN, CA	[72] HAIDER, SHAHID ABBAS, CA	[72] SENECA, JOSEPH ALBERT, US
[72] MOROZ, SARA, CA	[72] WONG, ALEXANDER SHEUNG LAI, CA	[72] GUERTIN, PAUL, US
[72] CLARK, KEVIN, CA	[72] KAZEMZADEH, FARNOUD, CA	[71] CARRIER CORPORATION, US
[71] STATERRA INC., CA	[71] HAIDER, SHAHID ABBAS, CA	[22] 2019-01-10
[22] 2019-01-10	[71] WONG, ALEXANDER SHEUNG LAI, CA	[41] 2019-07-12
[41] 2019-07-10	[71] KAZEMZADEH, FARNOUD, CA	[30] US (62/616,899) 2018-01-12
[30] CA (2,991,525) 2018-01-10	[22] 2019-01-09	
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[51] Int.Cl. B26B 5/00 (2006.01)	[51] Int.Cl. G06F 17/00 (2019.01) G10L 15/22 (2006.01) G06F 3/16 (2006.01)	[51] Int.Cl. G06F 17/00 (2019.01) G06Q 40/02 (2012.01) G06F 3/14 (2006.01)
[25] EN	[25] EN	[25] EN
[54] INTERCHANGEABLE CUTLERY SYSTEM	[54] AUTOMATED VOICE ASSISTANT PERSONALITY SELECTOR	[54] BILL PRESENTMENT BASED ON A USER LEARNING STYLE
[54] SYSTEME DE COUTELLERIE INTERCHANGEABLE	[54] SELECTEUR DE PERSONNALITE D'ASSISTANT VOCAL AUTOMATISE	[54] PRESENTATION DE FACTURE FONDEE SUR UN STYLE D'APPRENTISSAGE UTILISATEUR
[72] TSAI, WU HSIEN, CN	[72] BRICKLIN, NATHAN CRAIG, US	[72] BARKAS, SOTIRIOS K., US
[71] HAVEL'S INC., US	[72] HANSEN, GREGORY JOHN, US	[72] LEE, YON W., US
[22] 2019-01-10	[72] KALABOKIS, CHRIS THEODORE, US	[72] MIRANDA, DARIUS A., US
[41] 2019-07-10	[72] KHAN, ADNAN, US	[72] RHODRIQUEZ, MARRIA, US
[30] US (62/615,693) 2018-01-10	[72] MCGINN, KATHLEEN E., US	[72] SUEN, DARRELL L., US
[30] US (62/632,092) 2018-02-19	[72] MILLER, RYAN BENJAMIN, US	[72] WRIGHT, JOHN, US
	[72] RHODRIQUEZ, WAIRNOLA MARRIA, US	[71] THE TORONTO-DOMINION BANK, CA
	[71] THE TORONTO-DOMINION BANK, CA	[22] 2019-01-11
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**Canadian Applications Open to Public Inspection**  
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<p style="text-align: right; margin-top: -10px;"><b>[21] 3,029,719</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E01C 23/01 (2006.01) H04W 4/30 (2018.01) E01D 21/00 (2006.01) G08C 17/02 (2006.01) H04N 7/18 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>SYSTEM AND METHOD FOR CHANGING A SURFACE CHARACTERISTIC DURING THE CREATION OF A CONCRETE BRIDGE SURFACE</b></p> <p>[54] <b>SYSTEME ET METHODE SERVANT A CHANGER UNE CARACTERISTIQUE DE SURFACE PENDANT LA CREATION D'UNE SURFACE DE PONT EN BETON</b></p> <p>[72] VALENCIA, JAVIER, US  [72] SPISAK, THOMAS WALTER, US  [71] TEREX USA, LLC, US  [22] 2019-01-11  [41] 2019-07-12  [30] US (62/616,540) 2018-01-12  [30] US (16/228,209) 2018-12-20</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,029,731</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B60J 5/04 (2006.01) E05D 7/00 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>DOOR HINGE</b></p> <p>[54] <b>CHARNIERE DE PORTE</b></p> <p>[72] VON KOENIGSEGG, CHRISTIAN, SE</p> <p>[71] KOENIGSEGG AUTOMATIVE AB, SE</p> <p>[22] 2019-01-11</p> <p>[41] 2019-07-12</p> <p>[30] EP (18151453.0) 2018-01-12</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,029,792</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 41/00 (2006.01) A61L 15/12 (2006.01) A61L 15/14 (2006.01) A61N 5/06 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>METHODS FOR PHOTODYNAMIC THERAPY</b></p> <p>[54] <b>METHODES DE THERAPIE PHOTODYNAMIQUE</b></p> <p>[72] LUNDAHL, SCOTT, US  [72] GUTTADAURO, MICHAEL, US  [71] DUSA PHARMACEUTICALS, INC., US  [22] 2019-01-11  [41] 2019-07-12  [30] US (15/869,164) 2018-01-12</p>
<p style="text-align: right; margin-top: -10px;"><b>[21] 3,029,721</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H04W 4/06 (2009.01) H04W 80/02 (2009.01) H04B 7/155 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>IN-BAND BACKHAUL WITH LAYERED DIVISION MULTIPLEXING</b></p> <p>[54] <b>LIAISON TERRESTRE INTEGREE A LA BANDE COMPORTANT UN MULTIPLEXAGE DE DIVISION EN COUCHE</b></p> <p>[72] WU, YIYAN, CA  [72] ZHANG, LIANG, CA  [72] LI, WEI, CA  [72] SALEHIAN, KHALIL, CA  [72] LAFLECHE, SEBASTIEN, CA  [71] HER MAJESTY THE QUEEN IN RIGHT OF CANADA, AS REPRESENTED BY THE MINISTER OF INDUSTRY THROUGH THE COMMUNICATIONS RESEARCH CENTRE CANADA, CA  [22] 2019-01-11  [41] 2019-07-12  [30] US (62/616,663) 2018-01-12  [30] US (62/636,558) 2018-02-28</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,029,733</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A47G 19/22 (2006.01) A45F 3/16 (2006.01) F21V 23/04 (2006.01) F21V 33/00 (2006.01) G09F 23/00 (2006.01) H05B 37/02 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>TUMBLER WITH LED LOGO LIGHT UP</b></p> <p>[54] <b>Gobelet comportant un éclairage de logo à DEL</b></p> <p>[72] HONIG, MICHAEL, US  [71] BRODER BROS., CO., US  [22] 2019-01-11  [41] 2019-07-12  [30] US (62/616,591) 2018-01-12</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,029,801</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B43K 29/18 (2006.01) B25F 1/00 (2006.01) B43K 23/00 (2006.01) B25B 13/02 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>HOUSING ELEMENT FOR A WRITING INSTRUMENT AND WRITING INSTRUMENT</b></p> <p>[54] <b>ELEMENT DE LOGEMENT DESTINE A UN INSTRUMENT D'Ecriture ET INSTRUMENT D'Ecriture</b></p> <p>[72] MOECK, GERHARD, DE  [71] MOECK, GERHARD, DE  [22] 2019-01-11  [41] 2019-07-12  [30] DE (20 2018 100 158.2) 2018-01-12</p>
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**7 juillet 2019 au 13 juillet 2019**

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<p>[21] <b>3,029,946</b>  [13] A1</p> <p>[51] Int.Cl. H04W 28/04 (2009.01) H04W 80/06 (2009.01) H04L 1/08 (2006.01)  [25] EN  [54] <b>CELL CONFIGURATION FOR PACKET DUPLICATION</b>  [54] <b>CONFIGURATION DE CELLULE DESTINEE A LA DUPLICATION DE PAQUET</b>  [72] PARK, KYUNGMIN, US  [72] DINAN, ESMAEL, US  [72] JEON, HYOUNGSUK, US  [72] ZHOU, HUA, US  [72] BABAEI, ALIREZA, US  [71] COMCAST CABLE COMMUNICATIONS, LLC, US  [22] 2019-01-11  [41] 2019-07-11  [30] US (62/616,386) 2018-01-11</p>		

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43/16 (2006.01)  
[25] EN  
[54] POWER WAVE OPTIMIZATION  
FOR OIL AND GAS EXTRACTING  
PROCESSES  
[54] OPTIMISATION D'ONDE DE  
PUISANCE DESTINEE AUX  
PROCEDES D'EXTRACTION DE  
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[72] LEVITOV, YEVGENY B., US  
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[25] EN  
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[72] WU, CHANJUAN, CN  
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[71] ONKIMMUNE LIMITED, IE  
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[72] POIRIER, JOHN, US  
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- [71] LEXISNEXIS, A DIVISION OF REED ELSEVIER INC., US
- [85] 2019-06-13
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- [72] WILKINSON, BRUCE W., US
- [72] MCHALE, BRIAN G., GB
- [72] MATTINGLY, TODD D., US
- [72] MULGUND, ROHIT, US
- [71] WALMART APOLLO, LLC, US
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- [72] THEISEN, HORST, DE
- [71] RHENAC GREENTEC AG, DE
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- [72] DAVIDOWITZ, ELIOT J., US
- [72] MOE, JAMES G., US
- [72] REITZ, ALLEN B., US
- [72] BIAN, HAIYAN, US
- [72] GLUCHOWSKI, CHARLES, US
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- [72] LOUGHREN, MARIE H., US
- [71] OLIGOMERIX, INC., US
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- [72] MOE, JAMES G., US
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[72] BROOKS, CRISTY C., US

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[30] US (62/440,116) 2016-12-29

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**[21] 3,048,033**

[13] A1

[51] Int.Cl. C07F 9/6521 (2006.01) C07F 9/6558 (2006.01)

[25] EN

[54] NUCLEOTIDE HEMI-SULFATE SALT FOR THE TREATMENT OF HEPATITIS C VIRUS

[54] SEL D'HEMI-SULFATE NUCLEOTIDIQUE POUR LE TRAITEMENT DU VIRUS DE L'HEPATITE C

[72] MOUSSA, ADEL, US

[72] SOMMADODSSI, JEAN-PIERRE, US

[71] ATEA PHARMACEUTICALS, INC., US

[85] 2019-06-20

[86] 2018-01-31 (PCT/US2018/016301)

[87] (WO2018/144640)

[30] US (62/453,437) 2017-02-01

[30] US (62/469,912) 2017-03-10

[30] US (62/488,366) 2017-04-21

[30] US (62/575,248) 2017-10-20

**[21] 3,048,034**

[13] A1

[51] Int.Cl. G06F 11/00 (2006.01) G06Q 30/00 (2012.01) H04L 29/00 (2006.01)

[25] EN

[54] SYSTEMS AND METHODS FOR HARVESTING DATA ASSOCIATED WITH FRAUDULENT CONTENT IN A NETWORKED ENVIRONMENT  
[54] SYSTEMES ET PROCEDES DE COLLECTE DE DONNEES ASSOCIEES A UN CONTENU FRAUDULEUX DANS UN ENVIRONNEMENT EN RESEAU

[72] JENKINS, MARY V., US

[71] CAMELOT UK BIDCO LIMITED, GB

[85] 2019-06-20

[86] 2017-12-28 (PCT/US2017/068675)

[87] (WO2018/125984)

[30] US (62/440,798) 2016-12-30

**[21] 3,048,035**

[13] A1

[51] Int.Cl. E21B 47/04 (2012.01) E21B 45/00 (2006.01) G01B 5/18 (2006.01)

[25] EN

[54] MONITORING, AUDITING AND/OR DETERMINING DEPTH OF OR IN A BOREHOLE

[54] SURVEILLANCE, VERIFICATION ET/OU DETERMINATION DE LA PROFONDEUR D'UN TROU DE FORAGE OU DANS UN TROU DE FORAGE

[72] HEJLEH, KHALED MUFID YOUSEF, AU

[71] GLOBALTECH CORPORATION PTY LTD, AU

[85] 2019-06-21

[86] 2017-12-21 (PCT/AU2017/051432)

[87] (WO2018/112538)

[30] AU (2016905333) 2016-12-22

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[21] **3,048,038**  
[13] A1

- [51] Int.Cl. A61K 35/76 (2015.01) A61K 48/00 (2006.01) A61P 3/00 (2006.01)
- [25] EN
- [54] GENE THERAPY FOR TREATING PHENYLKETONURIA
- [54] THERAPIE GENIQUE POUR LE TRAITEMENT DE LA PHENYLKETONURIE
- [72] WILSON, JAMES M., US
- [72] SIDRANE, JENNY AGNES, US
- [72] ASHLEY, SCOTT, US
- [71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
- [85] 2019-06-20
- [86] 2017-12-29 (PCT/US2017/068897)
- [87] (WO2018/126112)
- [30] US (62/440,651) 2016-12-30
- [30] US (62/469,898) 2017-03-10
- [30] US (62/505,373) 2017-05-12

[21] **3,048,039**  
[13] A1

- [51] Int.Cl. A61B 34/00 (2016.01) A61B 34/30 (2016.01) A61B 90/00 (2016.01)
- [25] EN
- [54] SYSTEM AND APPARATUS FOR CRUSH PREVENTION FOR MEDICAL ROBOT APPLICATIONS
- [54] SYSTEME ET APPAREIL POUR LA PREVENTION DE L'ECRAISEMENT POUR DES APPLICATIONS ROBOTIQUES MEDICALES
- [72] YAKIMOVICH, TERRIS, DE
- [72] BAERENWEILER, RUBEN, DE
- [71] COVIDIEN LP, US
- [85] 2019-06-20
- [86] 2018-02-14 (PCT/US2018/018088)
- [87] (WO2018/152141)
- [30] US (62/459,318) 2017-02-15

[21] **3,048,040**  
[13] A1

- [51] Int.Cl. A61K 31/235 (2006.01) A61K 31/05 (2006.01) A61K 31/055 (2006.01) A61K 31/085 (2006.01) A61K 31/166 (2006.01) A61K 31/192 (2006.01) A61P 27/02 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 35/04 (2006.01)
- [25] EN
- [54] INHIBITORS OF SOX18 PROTEIN ACTIVITY FOR TREATING ANGIOGENESIS- AND/OR LYMPHANGIOGENESIS- RELATED DISEASES
- [54] INHIBITEURS DE L'ACTIVITE DE LA PROTEINE SOX18 DANS LE TRAITEMENT DE MALADIES ASSOCIEES A L'ANGIOGENESE ET/OU A LA LYMPHANGIOGENESE
- [72] FRANCOIS, MATHIAS, AU
- [72] ZUEGG, JOHANNES, AU
- [72] CAPON, ROBERT JOHN, AU
- [72] FONTAINE, FRANK ROGER, AU
- [72] ROBERTSON, AVRIL ALEXIS BARBARA, AU
- [72] COOPER, MATTHEW ALLISTER, GB
- [72] SALIM, ANGELA AGUSLYARTI, AU
- [72] MAMIDYALA, SREEMAN KUMAR, IN
- [72] OVERMAN, JEROEN, NL
- [71] THE UNIVERSITY OF QUEENSLAND, AU
- [85] 2019-06-21
- [86] 2017-12-21 (PCT/AU2017/051439)
- [87] (WO2018/112545)
- [30] AU (2016905362) 2016-12-23

[21] **3,048,044**  
[13] A1

- [51] Int.Cl. A61K 48/00 (2006.01) C07K 14/755 (2006.01) C12N 15/86 (2006.01)
- [25] EN
- [54] GENE THERAPY FOR TREATING WILSON'S DISEASE
- [54] THERAPIE GENIQUE POUR LE TRAITEMENT DE LA MALADIE DE WILSON
- [72] WILSON, JAMES M., US
- [72] SIDRANE, JENNY AGNES, US
- [72] GOVINDASAMY, LAKSHMANAN, US
- [71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
- [85] 2019-06-20
- [86] 2017-12-29 (PCT/US2017/068919)
- [87] (WO2018/126116)
- [30] US (62/440,659) 2016-12-30
- [30] US (62/473,656) 2017-03-20

[21] **3,048,046**  
[13] A1

- [51] Int.Cl. C12Q 1/68 (2018.01)
- [25] EN
- [54] DETECTION CASCADES
- [54] CASCADES DE DETECTION
- [72] TODD, ALISON VELYIAN, AU
- [72] HASICK, NICOLE JANE, AU
- [71] SPEEDX PTY LTD, AU
- [85] 2019-06-21
- [86] 2018-04-11 (PCT/AU2018/000052)
- [87] (WO2018/187829)
- [30] AU (2017901321) 2017-04-11

[21] **3,048,043**  
[13] A1

- [51] Int.Cl. E04F 15/02 (2006.01) B32B 21/02 (2006.01) B44C 5/04 (2006.01) E04F 13/08 (2006.01) E04F 13/16 (2006.01) E04F 15/04 (2006.01)
- [25] EN
- [54] PANELS IMITATING ORGANIC WOOD PLANKS COMPRISING SPECIALLY DECORATED EDGES
- [54] PANNEAUX IMITANT DES PLANCHES DE BOIS ORGANIQUES COMPRENANT DES BORDS SPECIALEMENT DECORES
- [72] BIRCHAM, MARK, DE
- [71] XYLO TECHNOLOGIES AG, CH
- [85] 2019-06-21
- [86] 2016-12-23 (PCT/EP2016/082594)
- [87] (WO2018/114001)

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**[21] 3,048,047**  
[13] A1

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  - [25] EN
  - [54] CLOSED SYSTEM VALVE ASSEMBLY WITH EXPANDED FLOW PATH
  - [54] ENSEMBLE VANNE DE SYSTEME FERME A CHEMIN D'ECOULEMENT ETENDU
  - [72] FREIBURGER, BENJAMIN, US
  - [72] HOLLEY, BROCK E., US
  - [72] HEADLEY, THOMAS, US
  - [72] GEVERS, MATTHEW H., US
  - [71] TUTHILL CORPORATION, US
  - [85] 2019-06-20
  - [86] 2018-01-30 (PCT/US2018/015847)
  - [87] (WO2018/144418)
  - [30] US (62/452,496) 2017-01-31
  - [30] US (62/622,348) 2018-01-26
  - [30] US (15/882,106) 2018-01-29
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**[21] 3,048,048**  
[13] A1

- [51] Int.Cl. C09K 21/02 (2006.01) C09K 21/10 (2006.01) D21H 21/34 (2006.01) E04B 1/94 (2006.01) H01B 7/295 (2006.01)
- [25] EN
- [54] FLAME OR FIRE PROTECTION AGENT AND PRODUCTION AND USE THEREOF, IN PARTICULAR FOR WOOD-, CELLULOSE- AND POLYOLEFIN-BASED PRODUCTS
- [54] AGENT RETARDATEUR DE FLAMME OU IGNIFUGE ET FABRICATION ET UTILISATION DE CELUI-CI NOTAMMENT POUR PRODUITS A BASE DE BOIS, DE CELLULOSE ET DE POLYOLEFINE
- [72] TAHOURESINIA, FERNANDO, DE
- [71] TAHOURESINIA, FERNANDO, DE
- [85] 2019-06-21
- [86] 2017-01-09 (PCT/EP2017/050361)
- [87] (WO2017/118765)
- [30] DE (10 2016 100 271.2) 2016-01-09

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**[21] 3,048,050**  
[13] A1

- [51] Int.Cl. E21B 7/06 (2006.01) E21B 44/00 (2006.01)
  - [25] EN
  - [54] OPTIMAL TRAJECTORY CONTROL FOR ROTARY STEERABLE SYSTEMS
  - [54] COMMANDE DE TRAJECTOIRE OPTIMALE POUR SYSTEMES ROTARY ORIENTABLES
  - [72] ZHAO, YIMING, US
  - [72] ZALLUHOGLU, Umut, US
  - [71] HALLIBURTON ENERGY SERVICES, INC., US
  - [85] 2019-06-20
  - [86] 2017-12-29 (PCT/US2017/069076)
  - [87] (WO2018/144170)
  - [30] US (62/452,948) 2017-01-31
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[13] A1

- [51] Int.Cl. C22C 19/05 (2006.01) B23K 35/22 (2006.01) B23P 6/00 (2006.01)
- [25] EN
- [54] HIGH GAMMA PRIME NICKEL BASED WELDABLE SUPERALLOY AND METHOD OF REPAIRING AND MANUFACTURING OF TURBINE ENGINE COMPONENTS USING THE SAME
- [54] SUPERALLIAGE SOUDABLE A BASE DE NICKEL A TENEUR ELEVEE EN GAMMA PRIME ET PROCEDE DE REPARATION ET DE FABRICATION DE ELEMENTS DE MOTEUR A TURBINE UTILISANT LEDIT SUPERALLIAGE
- [72] GONCHAROV, ALEXANDER, CA
- [72] LIBURDI, JOSEPH, CA
- [72] LOWDEN, PAUL, CA
- [71] LIBURDI ENGINEERING LIMITED, CA
- [85] 2019-06-21
- [86] 2017-03-03 (PCT/CA2017/050291)
- [87] (WO2018/157228)

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**[21] 3,048,053**  
[13] A1

- [51] Int.Cl. B60B 9/10 (2006.01) B60C 7/00 (2006.01)
  - [25] EN
  - [54] WHEEL COMPRISING A NON-PNEUMATIC TIRE
  - [54] ROUE COMPRENANT UN PNEU NON PNEUMATIQUE
  - [72] THOMPSON, RONALD H., US
  - [71] CAMSO INC., CA
  - [85] 2019-06-21
  - [86] 2017-12-21 (PCT/CA2017/051577)
  - [87] (WO2018/112650)
  - [30] US (62/437,312) 2016-12-21
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**[21] 3,048,054**  
[13] A1

- [51] Int.Cl. B01J 19/24 (2006.01) B01J 4/00 (2006.01) B01J 19/26 (2006.01)
  - [25] EN
  - [54] PROCESS AND APPARATUS FOR HYDROLYSIS OF A COMPOUND
  - [54] PROCEDE ET DISPOSITIF D'HYDROLYSE D'UN COMPOSE
  - [72] KLOSE, GORAN, DE
  - [72] HOFMANN, ALBERT, DE
  - [72] MAIER, HELENE, DE
  - [71] WACKER CHEMIE AG, DE
  - [85] 2019-06-21
  - [86] 2017-02-23 (PCT/EP2017/054204)
  - [87] (WO2018/153463)
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**[21] 3,048,055**  
[13] A1

- [51] Int.Cl. H04L 12/865 (2013.01) H04L 12/803 (2013.01) H04L 12/875 (2013.01)
- [25] EN
- [54] PACKET TRANSMISSION SYSTEM AND METHOD
- [54] SYSTEME ET PROCEDE DE TRANSMISSION DE PAQUET
- [72] SZE, DAVID, CA
- [72] FRUSINA, BOGDAN, CA
- [72] OBERHOLZER, JONATHON, CA
- [72] WONG, BERNARD, CA
- [72] CHOY, SHARON HUI LUN, CA
- [72] SCHNEIDER, TODD, CA
- [71] DEJERO LABS INC., CA
- [85] 2019-06-21
- [86] 2017-12-21 (PCT/CA2017/051584)
- [87] (WO2018/112657)
- [30] US (62/437,635) 2016-12-21
- [30] US (62/558,610) 2017-09-14

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[21] **3,048,057**  
[13] A1

[51] Int.Cl. A61K 31/519 (2006.01) C07D  
487/14 (2006.01)  
[25] EN  
[54] COMBINATION THERAPY FOR  
THE TREATMENT OF CANCER  
[54] POLYTHERAPIE POUR LE  
TRAITEMENT DU CANCER  
[72] STRUM, JAY C., US  
[72] THATCHER, GREGORY R., US  
[72] XIONG, RUI, US  
[72] ZHAO, JIONG, US  
[72] TONETTI, DEBRA A., US  
[71] G1 THERAPEUTICS, INC., US  
[71] THE BOARD OF TRUSTEES OF THE  
UNIVERSITY OF ILLINOIS, US  
[85] 2019-06-20  
[86] 2018-01-05 (PCT/US2018/012675)  
[87] (WO2018/129387)  
[30] US (62/443,588) 2017-01-06

[21] **3,048,058**  
[13] A1

[51] Int.Cl. B42C 19/06 (2006.01) B41F  
13/54 (2006.01) B41F 13/56 (2006.01)  
B42D 7/00 (2006.01) B65H 39/16  
(2006.01)  
[25] EN  
[54] METHOD AND DEVICE FOR  
PRODUCING DOCUMENTS  
[54] PROCEDE ET DISPOSITIF DE  
FABRICATION DE  
PUBLICATIONS IMPRIMEES  
[72] ROSE, BERND, DE  
[71] ROSE, BERND, DE  
[85] 2019-06-21  
[86] 2017-09-20 (PCT/EP2017/073789)  
[87] (WO2018/114070)  
[30] DE (10 2016 015 200.1) 2016-12-21

[21] **3,048,060**  
[13] A1

[51] Int.Cl. C12M 1/00 (2006.01) C12M  
1/04 (2006.01) C12M 1/34 (2006.01)  
[25] EN  
[54] GAS-FED FERMENTATION  
REACTORS, SYSTEMS AND  
PROCESSES UTILIZING A  
VERTICAL FLOW ZONE  
[54] REACTEURS DE FERMENTATION  
ALIMENTÉES PAR GAZ,  
SYSTEMES ET PROCÉDÉS  
UTILISANT UNE ZONE  
D'ÉCOULEMENT VERTICALE  
[72] NGUYEN, LUAN THANH, US  
[72] SILVERMAN, JOSHUA A., US  
[71] CALYSTA, INC., US  
[85] 2019-06-20  
[86] 2018-01-09 (PCT/US2018/012965)  
[87] (WO2018/132379)  
[30] US (62/444,625) 2017-01-10

[21] **3,048,061**  
[13] A1

[51] Int.Cl. B03B 5/02 (2006.01)  
[25] EN  
[54] GOLD PANNING MACHINE  
[54] MACHINE DE LAVAGE DE L'OR  
A LA BATEE  
[72] WANNOP, GEORGE, CA  
[71] WANNOP, GEORGE, CA  
[85] 2019-06-21  
[86] 2017-12-22 (PCT/CA2017/051602)  
[87] (WO2018/112668)  
[30] US (62/498,334) 2016-12-22

[21] **3,048,062**  
[13] A1

[51] Int.Cl. B62D 33/06 (2006.01)  
[25] EN  
[54] REINFORCEMENT STRUCTURE  
FOR THE BACK FACE OF A  
VEHICLE COMPARTMENT  
[54] STRUCTURE DE RENFORT POUR  
LA FACE ARRIERE D'UN  
COMPARTIMENT DE VEHICULE  
[72] SCHNEIDER, NICOLAS, FR  
[72] LAM, JIMMY, FR  
[71] ARCELORMITTAL, LU  
[85] 2019-06-21  
[86] 2017-11-28 (PCT/EP2017/080619)  
[87] (WO2018/114238)  
[30] EP (PCT/EP2016/082270) 2016-12-21

[21] **3,048,065**  
[13] A1

[51] Int.Cl. A61K 9/00 (2006.01) A61K  
31/00 (2006.01)  
[25] EN  
[54] ALTERTOXIN II AS A SELECTIVE  
INHIBITOR OF EWING FAMILY  
OF TUMOR CELLS  
[54] ALTERTOXINE II EN TANT  
QU'INHIBITEUR SELECTIF DES  
CELLULES TUMORALES DE LA  
FAMILLE EWING  
[72] MOOBERRY, SUSAN L., US  
[72] ROBLES, ANDREW J., US  
[72] RISINGER, APRIL L., US  
[72] CICHEWICZ, ROBERT H., US  
[72] HALDAR, SAIKAT, US  
[72] HOUGHTON, PETER, US  
[71] MOOBERRY, SUSAN L., US  
[71] ROBLES, ANDREW J., US  
[71] RISINGER, APRIL L., US  
[71] CICHEWICZ, ROBERT H., US  
[71] HALDAR, SAIKAT, US  
[71] HOUGHTON, PETER, US  
[85] 2019-06-20  
[86] 2017-12-20 (PCT/US2017/067585)  
[87] (WO2018/119069)  
[30] US (62/437,333) 2016-12-21

[21] **3,048,066**  
[13] A1

[51] Int.Cl. G06F 17/50 (2006.01) H02J  
3/00 (2006.01)  
[25] EN  
[54] METHOD FOR STRUCTURING AN  
EXISTING GRID FOR  
DISTRIBUTING ELECTRIC  
ENERGY  
[54] PROCEDE DE STRUCTURATION  
D'UN RESEAU EXISTANT  
PERMETTANT LA  
DISTRIBUTION DE L'ENERGIE  
ELECTRIQUE  
[72] FREUNEK, MONIKA, CH  
[71] BKW ENERGIE AG, CH  
[85] 2019-06-21  
[86] 2017-12-08 (PCT/EP2017/082059)  
[87] (WO2018/114404)  
[30] CH (1725/16) 2016-12-23

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[21] **3,048,067**

[13] A1

[51] Int.Cl. A23B 4/10 (2006.01) B82Y 5/00  
(2011.01) B32B 7/06 (2019.01) B32B  
9/02 (2006.01)

[25] EN

[54] EDIBLE BIO-ACTIVE FILMS  
BASED ON CHITOSAN OR A  
MIXTURE OF QUINOA PROTEIN-  
CHITOSAN; SHEETS HAVING  
CHITOSAN-TRIPLYPHOSHATE-  
THYMOL NANOPARTICLES;  
PRODUCTION METHOD; BIO-  
PACKAGING COMPRISING  
SAME; AND USE THEREOF IN  
FRESH FRUIT WITH A LOW PH

[54] FILMS BIOACTIFS  
COMESTIBLES A BASE DE  
CHITOSANE OU D'UN MELANGE  
CHITOSANE-PROTEINES DE  
QUINOA FEUILLETS  
COMPRENANT DES  
NANOParticules DE  
CHITOSANE-  
TRIPLYPHOSHATE-THYMOL;  
LEUR PROCEDE D'OBTENTION;  
BIOCONTENANT COMPRENANT  
CES FILMS ET FEUILLETS; ET  
UTILISATION DE CES DERNIERS  
SUR DES FRUITS FRAIS A  
FAIBLE PH

[72] TAPIA VILLANUEVA, CRISTIAN,  
CL

[72] ABUGOCH JAMES, LILIAN, CL

[72] CARO FUENTES, NELSON, CL

[71] UNIVERSIDAD DE CHILE, CL

[85] 2019-06-21

[86] 2016-02-01 (PCT/CL2016/000004)

[87] (WO2017/132777)

[21] **3,048,068**

[13] A1

[51] Int.Cl. G09B 19/00 (2006.01)  
[25] EN  
[54] ADAPTIVE BEHAVIORAL  
TRAINING, AND TRAINING OF  
ASSOCIATED PHYSIOLOGICAL  
RESPONSES, WITH ASSESSMENT  
AND DIAGNOSTIC  
FUNCTIONALITY  
[54] APPRENTISSAGE  
COMPORTEMENTAL  
ADAPTATIF ET APPRENTISSAGE  
DE REPONSES  
PHYSIOLOGIQUES ASSOCIEES,  
AVEC FONCTIONNALITE  
D'EVALUATION ET DE  
DIAGNOSTIC

[72] FARBER, BENJAMIN, US  
[72] ROBINSON, SIDNEY LUC, CA  
[72] FARBER, MICHAEL, US  
[71] BIOSTREAM TECHNOLOGIES, LLC,  
US  
[85] 2019-06-20  
[86] 2018-01-10 (PCT/US2018/013121)  
[87] (WO2018/132446)  
[30] US (62/444,610) 2017-01-10

[21] **3,048,070**

[13] A1

[51] Int.Cl. D21B 1/36 (2006.01) D21B 1/32  
(2006.01) D21B 1/34 (2006.01)  
[25] EN  
[54] METHOD FOR SEPARATING  
FIBERS  
[54] PROCEDE DE SEPARATION DE  
FIBRES  
[72] WUCHERER, STEPHAN, DE  
[72] ELSNER, CHRISTIAN, DE  
[71] REPULPING TECHNOLOGY GMBH  
& CO. KG, DE  
[85] 2019-06-21  
[86] 2017-12-15 (PCT/EP2017/083129)  
[87] (WO2018/114711)  
[30] DE (10 2016 125 446.0) 2016-12-22

[21] **3,048,071**

[13] A1

[51] Int.Cl. B01D 67/00 (2006.01) B01D  
69/02 (2006.01) B01D 69/06 (2006.01)  
B01D 71/80 (2006.01)

[25] EN

[54] INTEGRALLY ASYMMETRICAL,  
ISOPOROUS BLOCK  
COPOLYMER MEMBRANES IN  
FLAT SHEET GEOMETRY

[54] MEMBRANES COPOLYMIERE  
SEQUENCE ISOPOREUSES,  
ISOPOREUSES D'UN SEUL  
TENANT DANS UNE GEOMETRIE  
DE FEUILLE PLATE

[72] ABETZ, VOLKER, DE

[72] WU, MEILING, DE

[71] HELMHOLTZ-ZENTRUM  
GEESTHACHT ZENTRUM FUR  
MATERIAL-UND  
KUSTENFORSCHUNG GMBH, DE  
[85] 2019-06-21  
[86] 2017-12-17 (PCT/EP2017/083185)  
[87] (WO2018/157959)  
[30] EP (17158631.6) 2017-03-01

[21] **3,048,069**

[13] A1

[51] Int.Cl. D01D 5/06 (2006.01) D04H  
1/728 (2012.01) D01D 5/00 (2006.01)  
D04H 1/42 (2012.01)

[25] EN

[54] METHOD FOR PRODUCING  
FIBRES AND NON-WOVEN  
FABRICS BY SOLUTION-BLOW  
SPINNING AND NON-WOVEN  
FABRIC PRODUCED THEREBY

[54] PROCEDE DE FABRICATION DE  
FIBRES ET DE MATIERE NON  
TISSEE PAR FILAGE EN  
SOLUTION PAR SOUFFLAGE ET  
MATERIAU NON TISSE AINSI  
FABRIQUE

[72] VENUGOPAL, ARUN PRASAD, DE  
[72] TULKE, ANDREAS, DE  
[72] TOSKAS, GEORGIOS, DE  
[71] GROZ-BECKERT KG, DE  
[85] 2019-06-21  
[86] 2017-12-15 (PCT/EP2017/082973)  
[87] (WO2018/114645)  
[30] DE (10 2016 125 182.8) 2016-12-21

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[21] **3,048,072**

[13] A1

[51] Int.Cl. B21B 37/26 (2006.01) B21B  
37/38 (2006.01)  
[25] EN  
[54] METHOD AND DEVICE FOR  
ROLLING METAL STRIPS  
[54] PROCEDE ET DISPOSITIF DE  
LAMINAGE DE BANDES  
METALLIQUES  
[72] PINIEK, THORSTEN, DE  
[72] ZEIDLER, ANDREAS, DE  
[72] SCHUBERTH, STEFAN, DE  
[71] OUTOKUMPU OYJ, FI  
[85] 2019-06-21  
[86] 2017-12-18 (PCT/EP2017/083296)  
[87] (WO2018/122020)  
[30] EP (16207599.8) 2016-12-30

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[21] **3,048,073**

[13] A1

[51] Int.Cl. G01N 33/487 (2006.01) B01L  
3/00 (2006.01)  
[25] EN  
[54] MULTIPLE-USE SENSOR  
ASSEMBLY FOR BODY FLUIDS  
[54] ENSEMBLE CAPTEUR MULTI-  
USAGE POUR LIQUIDES  
CORPORELS  
[72] STRANGE, CHRISTIAN, DK  
[72] FRISCHAUF, PETER, DK  
[71] RADIOMETER MEDICAL APS, DK  
[85] 2019-06-21  
[86] 2017-12-18 (PCT/EP2017/083300)  
[87] (WO2018/114794)  
[30] DK (PA 2016 00790) 2016-12-23

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[21] **3,048,074**

[13] A1

[51] Int.Cl. A61K 35/16 (2015.01) A61K  
47/42 (2017.01)  
[25] EN  
[54] NOVEL METHOD FOR BLOOD  
PLASMA PROTEIN ACTIVITY  
PRESERVATION  
[54] NOUVEAU PROCEDE DE  
CONSERVATION DE L'ACTIVITE  
DES PROTEINES DU PLASMA  
SANGUIN  
[72] SU, CHENG-YAO, CN  
[72] WANG, SHAN SHUE, CN  
[72] SUN, CHUNG CHIN, CN  
[71] SUN, CHUNG CHIN, CN  
[85] 2019-06-21  
[86] 2016-12-21 (PCT/CN2016/111228)  
[87] (WO2018/112780)

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[21] **3,048,077**

[13] A1

[51] Int.Cl. H04M 1/04 (2006.01) B62B  
3/00 (2006.01)  
[25] EN  
[54] METHOD FOR LOCKING AND  
UNLOCKING A RECEPTACLE  
FOR A MOBILE  
TELECOMMUNICATIONS  
TERMINAL DEVICE  
[54] PROCEDE DE VERROUILLAGE  
ET DE DEVERROUILLAGE D'UN  
LOGEMENT POUR UN  
TERMINAL DE  
TELECOMMUNICATION MOBILE  
[72] WIETH, FRANZ, DE  
[72] FILOSI, ANDREAS, DE  
[71] WIETH, FRANZ, DE  
[71] FILOSI, ANDREAS, DE  
[85] 2019-06-21  
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[87] (WO2018/114959)  
[30] DE (10 2016 125 673.0) 2016-12-23

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[21] **3,048,080**

[13] A1

[51] Int.Cl. B61D 37/00 (2006.01) B61C  
17/00 (2006.01)  
[25] EN  
[54] AN ARRANGEMENT FOR A  
VEHICLE, IN PARTICULAR A  
RAIL VEHICLE, OR FOR A  
BUILDING AND A METHOD OF  
OPERATING THE VEHICLE OR  
THE BUILDING  
[54] AGENCEMENT POUR UN  
VEHICULE, EN PARTICULIER UN  
VEHICULE FERROVIAIRE, OU  
POUR UN BATIMENT ET  
PROCEDE D'EXPLOITATION DU  
VEHICULE OU DU BATIMENT  
[72] VEDHOLM, JONAS, SE  
[71] BOMBARDIER TRANSPORTATION  
GMBH, DE  
[85] 2019-06-21  
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[87] (WO2018/115030)  
[30] EP (16206383.8) 2016-12-22

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[21] **3,048,081**

[13] A1

[51] Int.Cl. B01D 53/02 (2006.01) B01D  
53/047 (2006.01) B01D 53/26 (2006.01)  
B01J 20/32 (2006.01)  
[25] EN  
[54] CORE-IN-SHELL COMPOSITE  
ADSORBENT FOR USE IN PSA  
PREPURIFIERS  
[54] ADSORBANT COMPOSITE C<sup>□</sup>UR-  
ECORCE DESTINE A ETRE  
UTILISE DANS DES PRE-  
EPURATEURS DE PSA  
[72] ZHENG, JIAN, US  
[72] STEPHENSON, NEIL A., US  
[72] PONTONIO, STEVEN J., US  
[72] SCHOTZ, CHRISTOPHER D., US  
[72] BARRETT, PHILIP A., US  
[71] PRAXAIR TECHNOLOGY, INC., US  
[85] 2019-06-20  
[86] 2017-12-20 (PCT/US2017/067616)  
[87] (WO2018/119084)  
[30] US (62/438,111) 2016-12-22

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[21] **3,048,084**

[13] A1

[51] Int.Cl. C07D 273/06 (2006.01)  
[25] EN  
[54] METHOD FOR PREPARING  
OXADIAZACYCLO COMPOUND  
AND USES THEREOF  
[54] PROCEDE DE PREPARATION  
D'UN COMPOSE  
OXADIAZACYCLO ET SON  
UTILISATION  
[72] SUN, YINWEI, CN  
[72] LAI, TENG, CN  
[72] ZHANG, PAN, CN  
[72] CHEN, BANGCHI, CN  
[71] ORIENTAL (LUZHOU)  
AGROCHEMICALS. CO., LTD., CN  
[85] 2019-06-21  
[86] 2016-12-30 (PCT/CN2016/113669)  
[87] (WO2018/120093)

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[13] A1

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  - [25] EN
  - [54] EXTENDED DYNAMIC RANGE CIS PIXEL ACHIEVING ULTRA-LOW NOISE
  - [54] PIXEL DE CIS A PLAGUE DYNAMIQUE ETENDUE OBTENANT UN BRUIT ULTRA-FAIBLE
  - [72] MCGRATH, R. DANIEL, US
  - [71] BAE SYSTEM INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC., US
  - [85] 2019-06-20
  - [86] 2017-12-20 (PCT/US2017/067654)
  - [87] (WO2018/119107)
  - [30] US (15/390,206) 2016-12-23
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**[21] 3,048,086**

[13] A1

- [51] Int.Cl. H02S 20/10 (2014.01)
- [25] EN
- [54] PHOTOVOLTAIC SYSTEM AND ASSOCIATED USE
- [54] INSTALLATION PHOTOVOLTAIQUE ET UTILISATION ASSOCIEE
- [72] HILDEBRANDT, HEIKO, DE
- [72] PROBST, MARKUS, DE
- [72] BRILL, THOMAS, DE
- [72] ZWOSTA, NICOLAI, DE
- [72] BALDY, ROBERT, DE
- [71] NEXT2SUN GMBH, DE
- [85] 2019-06-21
- [86] 2017-12-20 (PCT/EP2017/083813)
- [87] (WO2018/115120)
- [30] DE (10 2016 015 436.5) 2016-12-23

**[21] 3,048,088**

[13] A1

- [51] Int.Cl. C07C 69/38 (2006.01) A01N 43/90 (2006.01) A01P 13/00 (2006.01) C07C 13/20 (2006.01) C07C 67/22 (2006.01)
- [25] EN
- [54] METHOD FOR PREPARING 2-(CYCLOHEXENEYLENE) MALONIC ACID DERIVATIVE AND USE THEREOF
- [54] PROCEDE DE PREPARATION D'UN DERIVE D'ACIDE MALONIQUE 2-(CYCLOHEXENEYLENE) ET SON UTILISATION
- [72] SUN, YINWEI, CN
- [72] WANG, ZHONGYUAN, CN
- [72] ZHANG, PAN, CN
- [72] CHEN, BANGCHI, CN
- [71] ORIENTAL (LUZHOU) AGROCHEMICALS. CO., LTD., CN
- [85] 2019-06-21
- [86] 2016-12-30 (PCT/CN2016/113671)
- [87] (WO2018/120094)

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- [25] EN
- [54] IMPROVED ELECTRONIC MODULE HOUSING FOR DOWNHOLE USE
- [54] BOITIER DE MODULE ELECTRONIQUE AMELIORE POUR UTILISATION EN FOND DE TROU
- [72] TREVIRANUS, JOACHIM, DE
- [72] WINK, STEPHAN, DE
- [72] GAERTNER, OLAF, DE
- [72] PORZIG, DANIEL, DE
- [72] PETER, ANDREAS, DE
- [72] MUELLER, TIM, DE
- [71] BAKER HUGHES, A GE COMPANY, LLC, US
- [85] 2019-06-20
- [86] 2017-12-20 (PCT/US2017/067695)
- [87] (WO2018/119130)
- [30] US (15/387,995) 2016-12-22

**[21] 3,048,096**

[13] A1

- [51] Int.Cl. E21B 43/34 (2006.01) B01D 3/00 (2006.01) C02F 1/00 (2006.01) C02F 1/04 (2006.01) C02F 1/20 (2006.01) C02F 9/02 (2006.01) E03B 3/10 (2006.01) E03B 3/12 (2006.01) E21B 43/18 (2006.01) E21B 43/40 (2006.01)
- [25] EN
- [54] APPARATUS AND METHOD FOR POTABLE WATER EXTRACTION FROM SALINE AQUIFERS
- [54] APPAREIL ET PROCEDE D'EXTRACTION D'EAU POTABLE A PARTIR D'AQUIFERES SALINS
- [72] TIFFANY, HENRY D., III, US
- [72] BRYANT, STEVEN, CA
- [72] CLARK, GREGORY A., CA
- [72] DE CLARE, BRIAN H., CA
- [72] POPE, GARY A., US
- [71] TIFFANY, HENRY D., III, US
- [71] BRYANT, STEVEN, CA
- [71] CLARK, GREGORY A., CA
- [71] DE CLARE, BRIAN H., CA
- [71] POPE, GARY A., US
- [85] 2019-06-20
- [86] 2017-12-20 (PCT/US2017/067717)
- [87] (WO2018/119139)
- [30] US (62/437,341) 2016-12-21

**[21] 3,048,100**

[13] A1

- [51] Int.Cl. H04L 27/10 (2006.01) H04L 27/00 (2006.01) H04L 27/12 (2006.01)
- [25] EN
- [54] OFDM-LIKE SIGNALING FOR BROADBAND SATELLITE APPLICATIONS
- [54] SIGNALISATION DE TYPE OFDM POUR APPLICATIONS DE SATELLITE A LARGE BANDE
- [72] BEIDAS, BASSEL F., US
- [72] SESHAUDRI, ROHIT IYER, US
- [71] HUGHES NETWORK SYSTEMS, LLC, US
- [85] 2019-06-20
- [86] 2017-12-20 (PCT/US2017/067728)
- [87] (WO2018/119146)
- [30] US (62/436,658) 2016-12-20
- [30] US (62/487,995) 2017-04-20

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<p style="text-align: right;"><b>[21] 3,048,102</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61M 37/00 (2006.01)</p> <p>[25] EN</p> <p>[54] MICRONEEDLE ARRAYS AND METHODS OF MAKING AND USING</p> <p>[54] RESEAUX DE MICRO-AIGUILLES ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION</p> <p>[72] ALARY, MARC, US</p> <p>[72] HOPSON, PEYTON, US</p> <p>[72] LIU, JAN-JOO, US</p> <p>[72] LUNDE, ERIK, US</p> <p>[72] PATEL, BHARAT, US</p> <p>[72] MORANO, EMANUEL, US</p> <p>[71] JOHNSON &amp; JOHNSON CONSUMER INC., US</p> <p>[85] 2019-06-20</p> <p>[86] 2017-12-21 (PCT/US2017/067790)</p> <p>[87] (WO2018/119174)</p> <p>[30] US (62/437,800) 2016-12-22</p>
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<p style="text-align: right;"><b>[21] 3,048,107</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. D21H 25/00 (2006.01) D21G 1/00 (2006.01) D21H 11/04 (2006.01) D21H 11/16 (2006.01) D21H 11/18 (2006.01) D21H 27/00 (2006.01) D21H 27/10 (2006.01)</p> <p>[25] EN</p> <p>[54] PRODUCTION OF HIGHLY STRETCHABLE PAPER HAVING SATISFACTORY SURFACE PROPERTIES</p> <p>[54] PRODUCTION DE PAPIER HAUTEMENT ETIRABLE PRESENTANT DES PROPRIETES DE SURFACE SATISFAISANTES</p> <p>[72] NORDLING, NILS, SE</p> <p>[72] NORDSTROM, FREDRIK, SE</p> <p>[71] BILLERUDKORSNAS AB, SE</p> <p>[85] 2019-06-21</p> <p>[86] 2018-04-05 (PCT/EP2018/058720)</p> <p>[87] (WO2018/185216)</p> <p>[30] EP (17165160.7) 2017-04-06</p>
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<p style="text-align: right;"><b>[21] 3,048,115</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H04N 19/593 (2014.01) H04N 19/159 (2014.01) H04N 19/119 (2014.01) H04N 19/176 (2014.01)</p> <p>[25] EN</p> <p>[54] VIDEO AND IMAGE CODING WITH WIDE-ANGLE INTRA PREDICTION</p> <p>[54] CODAGE DE VIDEO ET D'IMAGE AVEC PREDICTION INTRA A GRAND ANGLE</p> <p>[72] LAINEMA, JANI, FI</p> <p>[71] NOKIA TECHNOLOGIES OY, FI</p> <p>[85] 2019-06-21</p> <p>[86] 2017-12-29 (PCT/FI2017/050950)</p> <p>[87] (WO2018/127624)</p> <p>[30] FI (20175006) 2017-01-03</p>
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<p style="text-align: right;"><b>[21] 3,048,104</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 49/10 (2006.01) C07F 13/00 (2006.01)</p> <p>[25] EN</p> <p>[54] TETRAAZABICYCLO-MACROCYCLE BASED MANGANESE CHELATE COMPOUNDS SUITABLE AS MRI IMAGING AGENTS</p> <p>[54] COMPOSES DE CHELATE DE MANGANESE A BASE DE TETRAAZABICYCLO-MACROCYCLE APPROPRIES EN TANT QU'AGENTS D'IMAGERIE IRM</p> <p>[72] MEIJER, ANDREAS RICHARD, NO</p> <p>[72] THANING, MIKKEL JACOB, NO</p> <p>[72] BALES, BRIAN CHRISTOPHER, US</p> <p>[72] RISHEL, MICHAEL JAMES, US</p> <p>[71] GE HEALTHCARE AS, NO</p> <p>[85] 2019-06-21</p> <p>[86] 2017-12-21 (PCT/EP2017/084148)</p> <p>[87] (WO2018/115314)</p> <p>[30] US (62/437,082) 2016-12-21</p>
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<p style="text-align: right;"><b>[21] 3,048,112</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 8/368 (2006.01) A45D 44/00 (2006.01) A61K 8/02 (2006.01) A61P 17/10 (2006.01) A61Q 19/00 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM FOR TARGETED APPLICATION OF TOPICAL AGENTS TO AN ISOLATED BODY PART</p> <p>[54] SYSTEME D'APPLICATION CIBLEE D'AGENTS TOPIQUES SUR UNE PARTIE ISOLEE DU CORPS</p> <p>[72] ALARY, MARC, US</p> <p>[72] HOPSON, PEYTON, US</p> <p>[72] LIU, JAN-JOO, US</p> <p>[72] LUNDE, ERIK, US</p> <p>[72] PATEL, BHARAT, US</p> <p>[72] MORANO, EMANUEL, US</p> <p>[71] JOHNSON &amp; JOHNSON CONSUMER INC., US</p> <p>[85] 2019-06-20</p> <p>[86] 2017-12-21 (PCT/US2017/067793)</p> <p>[87] (WO2018/119176)</p> <p>[30] US (62/437,815) 2016-12-22</p>
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<p style="text-align: right;"><b>[21] 3,048,117</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B81B 3/00 (2006.01) F03G 7/08 (2006.01) H01L 41/113 (2006.01) H02N 2/18 (2006.01)</p> <p>[25] EN</p> <p>[54] ENERGY HARVESTING DEVICES AND SENSORS, AND METHODS OF MAKING AND USE THEREOF</p> <p>[54] CAPTEURS ET DISPOSITIFS DE COLLECTE D'ENERGIE, ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION</p> <p>[72] THIBADO, PAUL, US</p> <p>[72] KUMAR, PRADEEP, US</p> <p>[71] BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS, US</p> <p>[85] 2019-06-20</p> <p>[86] 2017-12-21 (PCT/US2017/067798)</p> <p>[87] (WO2018/119180)</p> <p>[30] US (62/438,327) 2016-12-22</p>
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- [25] EN
- [54] PROCESS TO CONVERT SYNTHESIS GAS TO OLEFINS USING A BIFUNCTIONAL CHROMIUM / ZINC OXIDE-SAPO-34 CATALYST
- [54] PROCEDE DE CONVERSION DE GAZ DE SYNTHESE EN OLEFINES A L'AIDE D'UN CATALYSEUR SAPO-34 BIFONCTIONNEL D'OXYDE DE CHROME/OXYDE DE ZINC
- [72] NIESKENS, DAVY L.S., NL
- [72] SANDIKCI, AYSEGUL CIFTCI, NL
- [72] GROENENDIJK, PETER E., NL
- [72] MALEK, ANDRZEJ, US
- [71] DOW GLOBAL TECHNOLOGIES LLC, US
- [85] 2019-06-20
- [86] 2017-12-21 (PCT/US2017/067822)
- [87] (WO2018/119195)
- [30] US (62/438,035) 2016-12-22

**[21] 3,048,120**  
[13] A1

[51] Int.Cl. C22B 1/04 (2006.01) C21C 5/52 (2006.01) C22B 1/11 (2006.01) C22B 1/20 (2006.01) C22B 1/214 (2006.01) C22B 1/216 (2006.01) C22B 1/24 (2006.01) C22B 1/243 (2006.01) C22B 1/244 (2006.01) C22B 7/02 (2006.01) C22B 1/245 (2006.01) C22B 23/02 (2006.01)

- [25] EN
- [54] METHOD FOR PRODUCING NICKEL CONTAINING INDURATED CHROMITE PELLETS, METHOD FOR PRODUCING FERROCHROME NICKEL ALLOY AND INDURATED CHROMITE PELLET
- [54] PROCEDE DE PRODUCTION DE BILLES DE CHROMITE DURCIES CONTENANT DU NICKEL, PROCEDE DE PRODUCTION D'ALLIAGE DE NICKEL FERROCHROME ET BILLE DE CHROMITE DURCIE
- [72] MAKELA, PASI, FI
- [72] NARHI, LAURI, FI
- [72] PALOVAARA, PETRI, FI
- [72] PEKKALA, OLLI, FI
- [72] SAARENMAA, JARMO, FI
- [71] OUTOTEC (FINLAND) OY, FI
- [85] 2019-06-21
- [86] 2017-12-29 (PCT/FI2017/050956)
- [87] (WO2018/122465)
- [30] FI (20166046) 2016-12-30

**[21] 3,048,121**  
[13] A1

- [51] Int.Cl. G06Q 20/00 (2012.01) G06K 15/00 (2006.01)
- [25] EN
  - [54] SYSTEMS AND METHODS FOR SORTING MECHANISMS AT A TERMINAL
  - [54] SYSTEMES ET PROCEDES DE TRI DE MECANISMES AU NIVEAU D'UN TERMINAL
  - [72] JONES, NICHOLAUS ADAM, US
  - [72] TAYLOR, ROBERT JAMES, US
  - [72] JONES, MATTHEW ALLEN, US
  - [72] VASGAARD, AARON, US
  - [71] WALMART APOLLO, LLC, US
  - [85] 2019-06-20
  - [86] 2017-12-21 (PCT/US2017/067868)
  - [87] (WO2018/119214)
  - [30] US (62/437,492) 2016-12-21

**[21] 3,048,122**  
[13] A1

- [51] Int.Cl. F25D 13/06 (2006.01) B65G 21/18 (2006.01) F25D 3/11 (2006.01) F25D 25/04 (2006.01)
- [25] EN
- [54] CONFIGURABLE SPIRAL FREEZER
- [54] CONGELATEUR EN SPIRALE CONFIGURABLE
- [72] NEWMAN, MICHAEL D., US
- [72] MCCORMICK, STEPHEN, US
- [71] LINDE AKTIENGESELLSCHAFT, DE
- [85] 2019-06-20
- [86] 2017-12-19 (PCT/US2017/067200)
- [87] (WO2018/118850)
- [30] US (15/387,840) 2016-12-22

**[21] 3,048,123**  
[13] A1

[51] Int.Cl. H04N 5/225 (2006.01) G01B 11/24 (2006.01) G01B 11/30 (2006.01) G01N 21/25 (2006.01) H04N 5/335 (2011.01) H04M 1/247 (2006.01) H04N 5/232 (2006.01)

- [25] EN
- [54] A SYSTEM AND METHOD FOR CAPTURING MEASUREMENT IMAGES OF AN OBJECT TO BE MEASURED
- [54] SYSTEME ET PROCEDE DE SAISIE D'IMAGES DE MESURE D'UN OBJET DE MESURE
- [72] SEIFFERT, UDO, DE
- [72] HERZOG, ANDREAS, DE
- [72] BACKHAUS, ANDREAS, DE
- [71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
- [85] 2019-06-21
- [86] 2017-12-21 (PCT/EP2017/084212)
- [87] (WO2018/115346)
- [30] DE (10 2016 226 206.8) 2016-12-23

**[21] 3,048,124**  
[13] A1

- [51] Int.Cl. B62H 5/20 (2006.01)
- [25] EN
  - [54] A BICYCLE SECURITY SYSTEM
  - [54] SYSTEME DE SECURITE POUR BICYCLETTE
  - [72] JOHNSON, PATRICK, IE
  - [71] JOHNSON, PATRICK, IE
  - [85] 2019-06-21
  - [86] 2017-12-22 (PCT/EP2017/084426)
  - [87] (WO2018/115463)
  - [30] GB (1622037.8) 2016-12-22

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<p style="text-align: right;"><b>[21] 3,048,125</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H04L 29/12 (2006.01) G06Q 30/00 (2012.01)</p> <p>[25] EN</p> <p>[54] METHODS. APPARATUSES. AND COMPUTER PROGRAMS FOR DATA PROCESSING. AND HIERARCHICAL DOMAIN NAME SYSTEM ZONE FILES</p> <p>[54] PROCEDES, APPAREILS ET PROGRAMMES D'ORDINATEUR POUR TRAITER DES DONNEES, ET FICHIERS DE ZONE D'UN SYSTEME HIERARCHIQUE DE NOM DE DOMAINE</p> <p>[72] BROWN, ELLIOTT MICHAEL, GB</p> <p>[71] NUM TECHNOLOGY LTD, GB</p> <p>[85] 2019-06-21</p> <p>[86] 2016-12-22 (PCT/GB2016/054051)</p> <p>[87] (WO2017/109502)</p> <p>[30] GB (1522923.0) 2015-12-24</p>
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<p style="text-align: right;"><b>[21] 3,048,127</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A47J 31/46 (2006.01)</p> <p>[25] EN</p> <p>[54] MEMBRANE PUMP FOR BEVERAGE PREPARATION MODULE</p> <p>[54] POMPE A MEMBRANE POUR MODULE DE PREPARATION DE BOISSON</p> <p>[72] PUGLIESE, ALEXANDRE, CH</p> <p>[72] PERENTES, ALEXANDRE, CH</p> <p>[71] SOCIETE DES PRODUITS NESTLE S.A., CH</p> <p>[85] 2019-06-21</p> <p>[86] 2018-01-17 (PCT/EP2018/051065)</p> <p>[87] (WO2018/145867)</p> <p>[30] EP (17155317.5) 2017-02-09</p>
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<p style="text-align: right;"><b>[21] 3,048,131</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C22C 38/02 (2006.01) C21D 6/00 (2006.01) C21D 8/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/08 (2006.01) C22C 38/12 (2006.01) C22C 38/14 (2006.01) C22C 38/16 (2006.01)</p> <p>[25] EN</p> <p>[54] COLD ROLLED AND HEAT TREATED STEEL SHEET, METHOD OF PRODUCTION THEREOF AND USE OF SUCH STEEL TO PRODUCE VEHICLE PARTS</p> <p>[54] TOLE D'ACIER LAMINEE A FROID ET TRAITEE THERMIQUEMENT, SON PROCEDE DE PRODUCTION ET UTILISATION D'UN TEL ACIER POUR PRODUIRE DES PIECES DE VEHICULE</p> <p>[72] BARGES, PATRICK, FR</p> <p>[72] ZUAZO RODRIGUEZ, IAN ALBERTO, FR</p> <p>[71] ARCELORMITTAL, LU</p> <p>[85] 2019-06-21</p> <p>[86] 2016-12-22 (PCT/IB2016/057941)</p> <p>[87] (WO2018/115938)</p>
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<p style="text-align: right;"><b>[21] 3,048,130</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C05C 3/00 (2006.01) C05F 11/00 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD AND COMPOSITION</p> <p>[54] PROCEDE ET COMPOSITION</p> <p>[72] HAMMOND, PETER, GB</p> <p>[71] CCM TECHNOLOGIES LIMITED, GB</p> <p>[85] 2019-06-21</p> <p>[86] 2018-01-04 (PCT/GB2018/050011)</p> <p>[87] (WO2018/127694)</p> <p>[30] GB (1700337.7) 2017-01-09</p>
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<p style="text-align: right;"><b>[21] 3,048,132</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B07C 5/34 (2006.01) B07C 5/00 (2006.01) B65G 17/34 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR SORTING MECHANISMS AT A TERMINAL</p> <p>[54] SYSTEMES ET PROCEDES DE TRI DE MECANISMES AU NIVEAU D'UN TERMINAL</p> <p>[72] JONES, NICHOLAUS ADAM, US</p> <p>[72] JONES, MATTHEW ALLEN, US</p> <p>[72] TAYLOR, ROBERT JAMES, US</p> <p>[72] VASGAARD, AARON, US</p> <p>[71] WALMART APOLLO, LLC, US</p> <p>[85] 2019-06-20</p> <p>[86] 2017-12-21 (PCT/US2017/067872)</p> <p>[87] (WO2018/119217)</p> <p>[30] US (62/437,491) 2016-12-21</p>
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  - [54] MULTI-CHAMBER HYPOCHLOROUS ACID DISPENSER
  - [54] RECIPIENT A COMPARTIMENTS MULTIPLES DESTINE AU STOCKAGE ET A LA DISTRIBUTION
  - [72] ALMAS, GEIR HERMOD, NO
  - [71] WIAB WATER INNOVATION AB, SE
  - [85] 2019-06-21
  - [86] 2017-12-22 (PCT/IB2017/001718)
  - [87] (WO2018/115976)
  - [30] US (62/438,182) 2016-12-22
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[13] A1

- [51] Int.Cl. A01N 59/00 (2006.01) A61K 8/20 (2006.01) A61K 8/36 (2006.01) A61K 31/19 (2006.01) C01B 11/04 (2006.01)
- [25] EN
- [54] COMPOSITIONS COMPRISING ACETIC ACID AND HYPOCHLOROUS ACID AND METHODS FOR TREATING BIOFILM
- [54] COMPOSITIONS CONTENANT DE L'ACIDE HYPOCHLOREUX ET DE L'ACIDE ACETIQUE, ET METHODES DESTINEES AU TRAITEMENT DES BIOFILMS
- [72] ALMAS, GEIR HERMOD, NO
- [71] WIAB WATER INNOVATION AB, SE
- [85] 2019-06-21
- [86] 2017-12-22 (PCT/IB2017/001728)
- [87] (WO2018/115977)
- [30] US (62/438,189) 2016-12-22
- [30] US (62/438,198) 2016-12-22
- [30] US (62/438,204) 2016-12-22
- [30] US (62/438,202) 2016-12-22
- [30] US (15/612,571) 2017-06-02

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- [51] Int.Cl. A62C 37/11 (2006.01) A62C 31/02 (2006.01) A62C 37/08 (2006.01) A62C 37/12 (2006.01) A62C 37/14 (2006.01) A62C 37/16 (2006.01)
  - [25] EN
  - [54] DIRECT COUPLING COMPATIBLE SPRINKLER
  - [54] EXTINCTEUR COMPATIBLE A COUPLAGE DIRECT
  - [72] BANCROFT, PHILIP WAYNE, US
  - [72] WAKE, DANIEL, US
  - [72] SALEH, AHMED, US
  - [72] BOWMAN, MATTHEW A., US
  - [72] HANEY, CRAIG, US
  - [71] VICTAULIC COMPANY, US
  - [85] 2019-06-21
  - [86] 2017-08-08 (PCT/US2017/045903)
  - [87] (WO2018/136113)
  - [30] US (62/448,105) 2017-01-19
  - [30] US (62/520,668) 2017-06-16
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- [51] Int.Cl. F21S 8/08 (2006.01) F21V 23/04 (2006.01)
- [25] EN
- [54] ROADWAY FIXTURE SYSTEMS WITH INTEGRATED TRANSCEIVING EQUIPMENT
- [54] SYSTEMES D'APPAREILS DE CHAUSSEE A EQUIPEMENT D'EMISSION-RECEPTION INTEGRE
- [72] CLYNNE, THOMAS, US
- [72] PRASAD, HIMAMSHU VISWAT, US
- [72] MEYER, JONATHAN, US
- [72] SAHA, KOUSHIK BABI, US
- [71] CURRENT LIGHTING SOLUTIONS, LLC, US
- [85] 2019-06-21
- [86] 2017-11-30 (PCT/US2017/063819)
- [87] (WO2018/118368)
- [30] US (62/436,397) 2016-12-19
- [30] US (15/814,836) 2017-11-16

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- [51] Int.Cl. H02H 3/00 (2006.01) G01R 31/00 (2006.01) G01R 31/26 (2014.01) H03K 17/08 (2006.01)
  - [25] EN
  - [54] MOISTURE DETECTING SYSTEM AND METHOD FOR USE IN AN IGBT OR A MOSFET
  - [54] SYSTEME ET PROCEDE DE DETECTION D'HUMIDITE DESTINES A ETRE UTILISES DANS UN TRANSISTOR IGBT OU DANS UN TRANSISTOR MOSFET
  - [72] WILLIAMS, KEVIN R., US
  - [71] WILLIAMS, KEVIN R., US
  - [85] 2019-06-21
  - [86] 2017-11-30 (PCT/US2017/063967)
  - [87] (WO2018/128729)
  - [30] US (15/399,008) 2017-01-05
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[13] A1

- [51] Int.Cl. C09K 11/61 (2006.01)
- [25] EN
- [54] PROCESSES FOR PREPARING COLOR STABLE RED-EMITTING PHOSPHOR PARTICLES HAVING SMALL PARTICLE SIZE
- [54] PROCEDES DE PREPARATION DE PARTICULES DE LUMINOPHORE ROUGE DE COULEUR STABLE PRESENTANT DE PETITES DIMENSIONS DE PARTICULES
- [72] MURPHY, JAMES EDWARD, US
- [72] SISTA, SRINIVAS PRASAD, US
- [72] CAMARDELLO, SAMUEL JOSEPH, US
- [71] CURRENT LIGHTING SOLUTIONS, LLC, US
- [85] 2019-06-21
- [86] 2017-12-12 (PCT/US2017/065795)
- [87] (WO2018/111861)
- [30] US (62/433,358) 2016-12-13
- [30] US (15/829,878) 2017-12-02

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- [51] Int.Cl. G06T 19/00 (2011.01) G02B 27/01 (2006.01) G09G 3/00 (2006.01)
- [25] EN
- [54] METHOD AND APPARATUS FOR DYNAMIC GEOFENCE SEARCHING OF AN INCIDENT SCENE
- [54] PROCEDE ET APPAREIL DE RECHERCHE DE GEOREPERAGE DYNAMIQUE D'UNE SCENE D'INCIDENT
- [72] LIM, BING QIN, MY
- [72] HAMBALY, ALFY MERICAN AHMAD, MY
- [72] HUA, SHIJIE, MY
- [72] KEE, CHEW YEE, MY
- [71] MOTOROLA SOLUTIONS, INC., US
- [85] 2019-06-21
- [86] 2017-12-13 (PCT/US2017/066070)
- [87] (WO2018/118572)
- [30] US (15/390,470) 2016-12-24

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- [51] Int.Cl. G06Q 10/06 (2012.01) G06T 19/00 (2011.01) G06Q 50/26 (2012.01) G06F 3/00 (2006.01)
- [25] EN
- [54] METHOD AND APPARATUS FOR GENERATING A SEARCH PATTERN FOR AN INCIDENT SCENE
- [54] PROCEDE ET APPAREIL POUR DE GENERATION D'UN MOTIF DE RECHERCHE POUR UNE SCENE INCIDENTE
- [72] LIM, BING QIN, MY
- [72] HAMBALY, ALFY MERICAN AHMAD, MY
- [72] HUA, SHIJIE, MY
- [72] KEE, CHEW YEE, MY
- [71] MOTOROLA SOLUTIONS, INC., US
- [85] 2019-06-21
- [86] 2017-12-13 (PCT/US2017/066079)
- [87] (WO2018/118576)
- [30] US (15/390,471) 2016-12-24

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[13] A1

- [51] Int.Cl. H04W 4/10 (2009.01)
- [25] EN
- [54] SYSTEM AND METHOD FOR OBTAINING SUPPLEMENTAL INFORMATION IN A GROUP COMMUNICATION USING ARTIFICIAL INTELLIGENCE
- [54] SYSTEME ET PROCEDE D'OBTENTION D'INFORMATIONS SUPPLEMENTAIRES DANS UNE COMMUNICATION DE GROUPE A L'AIDE D'UNE INTELLIGENCE ARTIFICIELLE
- [72] PROCTOR, LEE M., US
- [71] MOTOROLA SOLUTIONS, INC., US
- [85] 2019-06-21
- [86] 2017-12-13 (PCT/US2017/066111)
- [87] (WO2018/125571)
- [30] US (15/390,797) 2016-12-27

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[13] A1

- [51] Int.Cl. C03C 17/36 (2006.01)
- [25] EN
- [54] COATED ARTICLE FOR USE IN SURVEILLANCE WINDOW OR THE LIKE AND METHOD OF MAKING SAME
- [54] ARTICLE REVETU DESTINE A ETRE UTILISE DANS UNE FENETRE DE SURVEILLANCE OU SIMILAIRE ET SON PROCEDE DE FABRICATION
- [72] VIKOR, GYORGY, HU
- [72] WENG, JIAN-GANG, US
- [71] GUARDIAN EUROPE S.A.R.L., LU
- [71] GUARDIAN GLASS, LLC, US
- [85] 2019-06-21
- [86] 2017-12-14 (PCT/US2017/066293)
- [87] (WO2018/118615)
- [30] US (15/389,510) 2016-12-23

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- [51] Int.Cl. E21B 7/04 (2006.01) E21B 7/06 (2006.01) E21B 17/20 (2006.01) E21B 44/00 (2006.01) E21B 47/02 (2006.01)
- [25] EN
- [54] METHOD, APPARATUS BY METHOD, AND APPARATUS OF GUIDANCE POSITIONING MEMBERS FOR DIRECTIONAL DRILLING
- [54] PROCEDE, APPAREIL SELON LE PROCEDE, ET APPAREIL DE GUIDAGE D'ELEMENTS DE POSITIONNEMENT POUR FORAGE DIRIGE
- [72] SPATZ, EDWARD, US
- [72] REESE, MICHAEL, US
- [72] MIESS, DAVID, US
- [72] PREVOST, GREGORY, US
- [71] XR LATERAL LLC, US
- [85] 2019-06-21
- [86] 2017-12-15 (PCT/US2017/066707)
- [87] (WO2018/125613)
- [30] US (62/439,843) 2016-12-28
- [30] US (15/667,704) 2017-08-03

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- [51] Int.Cl. E21B 7/04 (2006.01) E21B 7/06 (2006.01) E21B 7/08 (2006.01) E21B 17/00 (2006.01) E21B 17/10 (2006.01)
- [25] EN
- [54] BOTTOM HOLE ASSEMBLIES FOR DIRECTIONAL DRILLING
- [54] ENSEMBLES DE FOND DE TROU POUR FORAGE DIRECTIONNEL
- [72] SPATZ, EDWARD, US
- [72] REESE, MICHAEL, US
- [72] MIESS, DAVID, US
- [72] PREVOST, GREGORY, US
- [71] XR LATERAL LLC, US
- [85] 2019-06-21
- [86] 2017-12-15 (PCT/US2017/066745)
- [87] (WO2018/125616)
- [30] US (62/439,843) 2016-12-28
- [30] US (15/667,704) 2017-08-03
- [30] US (15/808,798) 2017-11-09

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[13] A1

[51] Int.Cl. H04B 11/00 (2006.01) H04W 4/00 (2018.01)  
[25] EN  
[54] A METHOD AND SYSTEM FOR ULTRASONIC PROXIMITY SERVICE  
[54] PROCEDE ET SYSTEME POUR SERVICE DE PROXIMITE ULTRASONORE  
[72] CIRIT, FAHRETTIN OLCAY, US  
[71] UBER TECHNOLOGIES, INC., US  
[85] 2019-06-21  
[86] 2017-12-15 (PCT/US2017/066859)  
[87] (WO2018/128781)  
[30] US (15/400,173) 2017-01-06

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[13] A1

[51] Int.Cl. H03F 1/32 (2006.01) H03F 1/02 (2006.01) H03F 3/189 (2006.01) H03F 3/68 (2006.01)  
[25] EN  
[54] AMPLIFIER WITH POWER DISSIPATION REDUCTION USING SINGLE RADIO FREQUENCY DIGITAL-TO-ANALOG CONVERTER  
[54] AMPLIFICATEUR A REDUCTION DE DISSIPATION DE PUISSANCE A L'AIDE D'UN CONVERTISSEUR NUMERIQUE-ANALOGIQUE UNIQUE RADIOFRÉQUENCE  
[72] SCHEMMANN, MARCEL F., NL  
[72] LESHEM, IDO, IL  
[71] ARRIS ENTERPRISES LLC, US  
[85] 2019-06-21  
[86] 2017-12-18 (PCT/US2017/066947)  
[87] (WO2018/118749)  
[30] US (15/387,880) 2016-12-22

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[13] A1

[51] Int.Cl. F02C 7/052 (2006.01) F02C 7/14 (2006.01) F02C 7/18 (2006.01)  
[25] EN  
[54] PARTICLE SEPARATOR ASSEMBLY FOR A TURBINE ENGINE  
[54] ENSEMBLE SEPARATEUR DE PARTICULES POUR MOTEUR A TURBINE  
[72] RAMBO, JEFFREY DOUGLAS, US  
[71] GENERAL ELECTRIC COMPANY, US  
[85] 2019-06-21  
[86] 2017-12-18 (PCT/US2017/067097)  
[87] (WO2018/128790)  
[30] US (15/397,797) 2017-01-04

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[13] A1

[51] Int.Cl. A61K 38/17 (2006.01) A61P 35/00 (2006.01)  
[25] EN  
[54] ARMED ONCOLYTIC VIRUSES  
[54] VIRUS ONCOLYTIQUES ARMES  
[72] CANTWELL, MARK J., US  
[71] MEMGEN, LLC, US  
[85] 2019-06-21  
[86] 2017-12-18 (PCT/US2017/067137)  
[87] (WO2018/118819)  
[30] US (62/437,474) 2016-12-21  
[30] US (15/843,603) 2017-12-15

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[13] A1

[51] Int.Cl. E21B 43/267 (2006.01) C09K 8/62 (2006.01) E21B 43/14 (2006.01)  
[25] EN  
[54] FRACTURING A FORMATION WITH MORTAR SLURRY  
[54] FRACTURATION D'UNE FORMATION AVEC UNE SUSPENSION DE MORTIER  
[72] NEVELS, HEATH FLETCHER, US  
[72] COOK, ROBERT LANCE, US  
[72] MONDAL, SOMNATH, US  
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL  
[85] 2019-06-21  
[86] 2017-12-19 (PCT/US2017/067202)  
[87] (WO2018/125656)  
[30] US (62/439,951) 2016-12-29

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[13] A1

[51] Int.Cl. A61K 38/57 (2006.01) A61K 9/14 (2006.01) A61P 11/00 (2006.01)  
[25] EN  
[54] DRY POWDER FORMULATIONS OF ALPHA-1 ANTITRYPsin  
[54] FORMULATIONS DE POUDRE SECHE D'ALPHA-1 ANTITRYSINE  
[72] BAR, LILIANA, IL  
[71] KAMADA LTD., IL  
[85] 2019-06-21  
[86] 2017-12-20 (PCT/IL2017/051367)  
[87] (WO2018/116300)  
[30] US (62/437,675) 2016-12-22

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[13] A1

[51] Int.Cl. A61K 38/47 (2006.01) C12N 9/24 (2006.01)  
[25] EN  
[54] THERAPEUTIC REGIMEN FOR THE TREATMENT OF FABRY USING STABILIZED ALPHA-GALACTOSIDASE  
[54] REGIME THERAPEUTIQUE POUR LE TRAITEMENT DE LA MALADIE DE FABRY A L'AIDE D'UNE ALPHA-GALACTOSIDASE STABILISEE  
[72] ALMON, EINAT, IL  
[72] CHERTKOFF, RAUL, IL  
[72] ALON, SARI, IL  
[72] SHAALTIEL, YOSEPH, IL  
[71] PROTALIX LTD., IL  
[85] 2019-06-21  
[86] 2018-01-05 (PCT/IL2018/050018)  
[87] (WO2018/127920)  
[30] US (62/442,537) 2017-01-05

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[13] A1

[51] Int.Cl. A24F 47/00 (2006.01)  
[25] EN  
[54] HEATING-TYPE FLAVOR INHALER  
[54] INHALATEUR D'AROME DU TYPE A CHAUFFAGE  
[72] KOMINAMI, TAKASHI, JP  
[72] TAGUCHI, HIDENARI, JP  
[71] JAPAN TABACCO INC., JP  
[85] 2019-06-21  
[86] 2016-12-27 (PCT/JP2016/088944)  
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[25] EN  
[54] POWDER FOR METALLURGY AND METHOD FOR MANUFACTURING MOLDED PRODUCT USING THE POWDER FOR METALLURGY  
[54] POUDRE POUR METALLURGIE ET PROCEDE DE FABRICATION D'UN PRODUIT MOULE A L'AIDE DE LADITE POUDRE POUR METALLURGIE  
[72] SUMI, NOBUYUKI, JP  
[72] KATOGI, HIDETAKA, JP  
[71] MITSUBISHI ELECTRIC CORPORATION, JP  
[85] 2019-06-21  
[86] 2016-12-28 (PCT/JP2016/089191)  
[87] (WO2018/123052)

[21] **3,048,154**  
[13] A1

[51] Int.Cl. G01L 5/00 (2006.01) E21B 49/02 (2006.01) G01L 1/00 (2006.01)  
[25] EN  
[54] IN-SITU STRESS MEASUREMENT METHOD  
[54] PROCEDE DE MESURE DE CONTRAINTE TECTONIQUE  
[72] ITO, TAKATOSHI, JP  
[72] TEZUKA, KAZUHIKO, JP  
[72] TAMAGAWA, TETSUYA, JP  
[71] JAPAN PETROLEUM EXPLORATION CO., LTD., JP  
[71] TOHOKU UNIVERSITY, JP  
[85] 2019-06-21  
[86] 2017-11-06 (PCT/JP2017/039889)  
[87] (WO2018/123269)  
[30] JP (2016-254104) 2016-12-27

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[13] A1

[51] Int.Cl. B23B 51/04 (2006.01) B23B 31/107 (2006.01) B28D 1/04 (2006.01)  
[25] EN  
[54] QUICK CHANGE TOOL  
[54] OUTIL A CHANGEMENT RAPIDE  
[72] BALEN, FRANK PIETER JACOBUS, NL  
[71] MIREKAJA A.G., CH  
[85] 2019-06-21  
[86] 2017-12-21 (PCT/IB2017/058267)  
[87] (WO2018/116231)  
[30] NL (2018062) 2016-12-23

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[13] A1

[51] Int.Cl. C07K 16/36 (2006.01) A61K 39/395 (2006.01) A61P 7/02 (2006.01) C07K 16/40 (2006.01)  
[25] EN  
[54] FACTOR XI ANTIBODIES AND METHODS OF USE  
[54] ANTICORPS DE FACTEUR XI ET METHODES D'UTILISATION  
[72] AIGNER, MAXIMILLIAN, DE  
[72] KOCH, ALEXANDER WOLFGANG, US  
[72] WALDHUBER, MARKUS, DE  
[71] NOVARTIS AG, CH  
[85] 2019-06-21  
[86] 2017-12-21 (PCT/IB2017/058312)  
[87] (WO2018/116255)  
[30] US (62/438,648) 2016-12-23

[21] **3,048,157**  
[13] A1

[51] Int.Cl. A61K 39/44 (2006.01) A61P 7/02 (2006.01)  
[25] EN  
[54] METHODS OF TREATMENT WITH ANTI-FACTOR XI/XIA ANTIBODIES  
[54] METHODES DE TRAITEMENT AVEC DES ANTICORPS ANTI-FACTEUR XI/XIA  
[72] FRIEDMAN, CAROLA, US  
[72] KHDER, YASSER, CH  
[72] LEFKOWITZ, MARTIN, US  
[71] NOVARTIS AG, CH  
[85] 2019-06-21  
[86] 2017-12-22 (PCT/IB2017/058345)  
[87] (WO2018/116267)  
[30] US (62/438,654) 2016-12-23  
[30] US (62/589,851) 2017-11-22

[21] **3,048,158**  
[13] A1

[51] Int.Cl. C23C 18/12 (2006.01) B82Y 5/00 (2011.01) B82Y 30/00 (2011.01) A61K 51/06 (2006.01) A61K 51/12 (2006.01) B01J 45/00 (2006.01)  
[25] EN  
[54] BODY COMPRISING AN OXIDE OF LANTHANIDE SUPPORTED ON A SULPHUR CONTAINING CARBON BASED PARTICLE AND A METHOD OF PREPARATION THEREOF  
[54] CORPS COMPRENANT UN OXYDE DE LANTHANIDE SUPPORTE SUR UNE PARTICULE A BASE DE CARBONE CONTENANT DU SOUFRE ET SON PROCEDE DE PREPARATION  
[72] BRANDTS, JIM ALOYSIUS MARIA, NL  
[72] WAGEMAKER, LORIANNE IRENE, NL  
[72] BERBEN, PIETER HILDEGARDUS, NL  
[72] SCHLESINGER, MAIK, DE  
[72] NIJSSEN, JOHANNES FRANCISCUS WILHELMUS, NL  
[71] BASF CORPORATION, US  
[85] 2019-06-21  
[86] 2017-12-22 (PCT/IB2017/058357)  
[87] (WO2018/116274)  
[30] NL (2018054) 2016-12-23

[21] **3,048,159**  
[13] A1

[51] Int.Cl. B24B 23/00 (2006.01) B24B 7/17 (2006.01) B24B 27/08 (2006.01)  
[25] EN  
[54] MANUAL SANDER  
[54] PONCEUSE MANUELLE  
[72] SIGLER, SIMON, IL  
[72] SHMELTZER, RONI, IL  
[71] SIGLER, SIMON, IL  
[71] SHMELTZER, RONI, IL  
[85] 2019-06-21  
[86] 2017-05-16 (PCT/IL2017/050541)  
[87] (WO2018/116288)  
[30] US (62/498,369) 2016-12-23

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  - [25] EN
  - [54] CALIBRATION APPARATUS AND METHODS FOR CALIBRATING A MEDICAL INSTRUMENT
  - [54] APPAREIL D'ETALONNAGE ET PROCEDES D'ETALONNAGE D'UN INSTRUMENT MEDICAL
  - [72] KHERADPIR, LEILA, CA
  - [72] DUPONT, KYLE RICHARD, CA
  - [72] JANKOWSKI, JAKUB, CA
  - [72] UTHAYANATHAN, SUMAN, CA
  - [71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB
  - [85] 2019-06-21
  - [86] 2017-03-20 (PCT/IB2017/051604)
  - [87] (WO2018/115983)
  - [30] US (29/588,647) 2016-12-22
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[13] A1

- [51] Int.Cl. A61B 17/04 (2006.01) A61B 17/11 (2006.01) A61B 17/17 (2006.01) A61F 2/08 (2006.01)
- [25] EN
- [54] A PLANTAR PLATE REPAIR DEVICE
- [54] DISPOSITIF DE REPARATION DE LA PLAQUE PLANTAIRE
- [72] TERBLANCHE, IGNATIUS PETRUS STEFANUS, ZA
- [72] MARAIS, JACQUES, ZA
- [72] JANSE VAN VUUREN, JACOBUS FREDERICK, ZA
- [72] JANSE VAN VUUREN, STEPHAN, ZA
- [71] TRIMED, INCORPORATED, US
- [85] 2019-06-21
- [86] 2017-12-18 (PCT/IB2017/058036)
- [87] (WO2018/116113)
- [30] ZA (2016/08790) 2016-12-21

**[21] 3,048,162**  
[13] A1

- [51] Int.Cl. A61K 36/36 (2006.01) A61K 31/12 (2006.01) A61K 31/353 (2006.01) A61P 35/00 (2006.01)
  - [25] EN
  - [54] COMPOSITIONS DERIVED FROM GALENIA AFRICANA AND METHODS OF USE FOR CANCER TREATMENT
  - [54] COMPOSITIONS DERIVEES DE GALENIA AFRICANA ET METHODES D'UTILISATION POUR LE TRAITEMENT DU CANCER
  - [72] BARRY, MICHAEL-JOHN JOSEPH, NZ
  - [71] BIOPHARM NZ LIMITED, NZ
  - [85] 2019-06-21
  - [86] 2017-12-19 (PCT/IB2017/058097)
  - [87] (WO2018/116146)
  - [30] ZA (2016/08789) 2016-12-21
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[13] A1

- [51] Int.Cl. E04H 4/00 (2006.01) A63B 69/00 (2006.01) A63G 31/00 (2006.01) F04D 35/00 (2006.01)
- [25] EN
- [54] ASSEMBLY AND METHOD FOR GENERATING WAVES WITHIN A BODY OF WATER
- [54] ENSEMBLE ET PROCEDE DE GENERATION D'ONDES A L'INTERIEUR D'UN PLAN D'EAU
- [72] GRANTHAM, PETER, NZ
- [72] NEWSON, THOMAS, NZ
- [71] GRANTHAM, PETER, NZ
- [71] NEWSON, THOMAS, NZ
- [85] 2019-06-21
- [86] 2017-12-19 (PCT/IB2017/058169)
- [87] (WO2018/116180)
- [30] US (62/438,663) 2016-12-23

**[21] 3,048,164**  
[13] A1

- [51] Int.Cl. C22C 38/58 (2006.01) C21D 8/10 (2006.01) C22C 38/02 (2006.01) C22C 38/06 (2006.01) C22C 38/42 (2006.01) C22C 38/44 (2006.01) C22C 38/46 (2006.01) C22C 38/48 (2006.01) C22C 38/50 (2006.01)
  - [25] EN
  - [54] ELECTRIC RESISTANCE WELDED STEEL TUBE FOR COILED TUBING AND METHOD FOR MANUFACTURING THE SAME
  - [54] TUBE EN ACIER SOUDE PAR RESISTANCE ELECTRIQUE POUR TUBE SPIRALE ET PROCEDE DE PRODUCTION ASSOCIE
  - [72] MATSUMOTO, AKIHIDE, JP
  - [72] NAKATA, HIROSHI, JP
  - [72] TOYODA, SHUNSUKE, JP
  - [71] JFE STEEL CORPORATION, JP
  - [85] 2019-06-21
  - [86] 2017-12-14 (PCT/JP2017/044846)
  - [87] (WO2018/139096)
  - [30] JP (2017-010789) 2017-01-25
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[13] A1

- [51] Int.Cl. D06F 39/10 (2006.01) D06F 31/00 (2006.01) D06F 39/02 (2006.01) D06F 39/08 (2006.01)
- [25] EN
- [54] WASHING MACHINE
- [54] MACHINE A LAVER
- [72] LEE, HAK JAE, KR
- [72] KIM, JUN HO, KR
- [72] LEE, JEONG HAENG, KR
- [71] SAMSUNG ELECTRONICS CO., LTD., KR
- [85] 2019-06-21
- [86] 2017-11-10 (PCT/KR2017/012742)
- [87] (WO2018/117417)
- [30] KR (10-2016-0178555) 2016-12-23

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<p>[21] <b>3,048,167</b> [13] A1</p> <p>[51] Int.Cl. A01G 9/08 (2006.01) A01G 9/029 (2018.01) A01G 31/02 (2006.01)</p> <p>[25] EN</p> <p>[54] GROOVED STACKABLE PANEL FOR FLOATING CULTIVATION OF PLANTS</p> <p>[54] PANNEAU RAINURE EMPILABLE POUR LA CULTURE FLOTTANTE DE PLANTES</p> <p>[72] NOORDAM, CHRISTIAAN SILVESTER, NL</p> <p>[72] VAN DER KNAAP, MAURICE CORNELIS ANTONIUS, NL</p> <p>[71] CULTIVATION SYSTEMS B.V., NL</p> <p>[85] 2019-06-21</p> <p>[86] 2017-12-19 (PCT/NL2017/050855)</p> <p>[87] (WO2018/117829)</p> <p>[30] NL (2018075) 2016-12-23</p>
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<p>[21] <b>3,048,168</b> [13] A1</p> <p>[51] Int.Cl. C03C 27/06 (2006.01) C08L 67/03 (2006.01) C08L 81/04 (2006.01) C09K 3/10 (2006.01) E06B 3/66 (2006.01)</p> <p>[25] EN</p> <p>[54] SEALING MATERIAL FOR MULTI-LAYERED GLASSES, AND MULTI-LAYERED GLASS</p> <p>[54] MATERIAU D'ETANCHEITE POUR VERRES MULTICOUCHE, ET VERRE MULTICOUCHE</p> <p>[72] NORO, DAIKI, JP</p> <p>[72] YOSHIMURA, HIROSHI, JP</p> <p>[72] TAJIRI, YUSUKE, JP</p> <p>[71] DIC CORPORATION, JP</p> <p>[85] 2019-06-21</p> <p>[86] 2017-12-14 (PCT/JP2017/044866)</p> <p>[87] (WO2018/116949)</p> <p>[30] JP (2016-248892) 2016-12-22</p>
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<p>[21] <b>3,048,169</b> [13] A1</p> <p>[51] Int.Cl. B65D 85/804 (2006.01)</p> <p>[25] EN</p> <p>[54] CAPSULE WITH RECESS PASSAGEWAY AND SYSTEM FOR PREPARING EDIBLE PRODUCTS INCLUDING SAID CAPSULES</p> <p>[54] CAPSULE AVEC VOIE DE PASSAGE DANS UN EVIDEMENT ET SYSTEME DE PREPARATION DE PRODUITS COMESTIBLES COMPRENANT DES CAPSULES</p> <p>[72] NABEIRO, RUI MIGUEL, PT</p> <p>[72] DE FIGUEIREDO BRANCO, JOAO ANDRE, PT</p> <p>[72] MEDINA MUNDT, JESUS, PT</p> <p>[71] NOVADELTA - COMERCIO E INDUSTRIA DE CAFES, S.A., PT</p> <p>[85] 2019-06-21</p> <p>[86] 2017-12-27 (PCT/PT2017/050030)</p> <p>[87] (WO2018/124898)</p> <p>[30] PT (109813) 2016-12-29</p>
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<p>[21] <b>3,048,171</b> [13] A1</p> <p>[51] Int.Cl. B65D 85/804 (2006.01)</p> <p>[25] EN</p> <p>[54] CAPSULE WITH OPTIMIZED WEAKENED MATERIAL REGION AND SYSTEM FOR PREPARING EDIBLE PRODUCTS INCLUDING SAID CAPSULES</p> <p>[54] CAPSULE AVEC ZONE DE MATIERE FRAGILISEE OPTIMISEE ET SYSTEME DE PREPARATION DE PRODUITS COMESTIBLES COMPRENANT DES CAPSULES</p> <p>[72] NABEIRO, RUI MIGUEL, PT</p> <p>[72] DE FIGUEIREDO BRANCO, JOAO ANDRE, PT</p> <p>[72] MEDINA MUNDT, JESUS, PT</p> <p>[71] NOVADELTA - COMERCIO E INDUSTRIA DE CAFES, S.A., PT</p> <p>[85] 2019-06-21</p> <p>[86] 2017-12-27 (PCT/PT2017/050031)</p> <p>[87] (WO2018/124899)</p> <p>[30] PT (109814) 2016-12-29</p>
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<p>[21] <b>3,048,170</b> [13] A1</p> <p>[51] Int.Cl. C07D 471/08 (2006.01) A61K 31/4995 (2006.01) A61K 31/501 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01) A61K 31/5386 (2006.01) A61K 31/541 (2006.01) A61K 31/55 (2006.01) A61P 11/06 (2006.01) A61P 17/06 (2006.01) A61P 25/24 (2006.01) A61P 25/28 (2006.01) A61P 35/00 (2006.01) C07D 487/08 (2006.01) C07D 498/08 (2006.01)</p> <p>[25] EN</p> <p>[54] NOVEL COMPOUND AND PHARMACOLOGICALLY ACCEPTABLE SALT</p> <p>[54] NOUVEAU COMPOSE ET SEL PHARMACEUTIQUEMENT ACCEPTABLE DE CELUI-CI</p> <p>[72] TAMURA, KEIJI, JP</p> <p>[72] YAMAKAWA, TAKERU, JP</p> <p>[72] ISSHIKI, SATOSHI, JP</p> <p>[72] WAKIYAMA, YOSHINARI, JP</p> <p>[72] OUCHI, SHOHEI, JP</p> <p>[72] MATSUHIRA, TAKASHI, JP</p> <p>[72] ISHIDA, NATSUKI, JP</p> <p>[72] TABATA, YUJI, JP</p> <p>[71] MEIJI SEIKA PHARMA CO., LTD., JP</p> <p>[85] 2019-06-21</p> <p>[86] 2017-12-26 (PCT/JP2017/046610)</p> <p>[87] (WO2018/124060)</p> <p>[30] JP (2016-251577) 2016-12-26</p> <p>[30] JP (2017-089251) 2017-04-28</p>
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<p>[21] <b>3,048,172</b> [13] A1</p> <p>[51] Int.Cl. B29C 43/34 (2006.01) B29C 70/34 (2006.01) B32B 5/00 (2006.01) B32B 37/02 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR PRODUCING FIBER-REINFORCED PLASTIC</p> <p>[54] PROCEDE DE PRODUCTION DE MATIERE PLASTIQUE RENFORCEE PAR DES FIBRES</p> <p>[72] FUJITA, YUZO, JP</p> <p>[72] ADACHI, KENTARO, JP</p> <p>[72] KARAKI, TAKUYA, JP</p> <p>[71] TORAY INDUSTRIES, INC., JP</p> <p>[85] 2019-06-21</p> <p>[86] 2018-01-19 (PCT/JP2018/001527)</p> <p>[87] (WO2018/142962)</p> <p>[30] JP (2017-017328) 2017-02-02</p>
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- [51] Int.Cl. H03M 13/35 (2006.01) H04J 99/00 (2009.01) H03M 13/29 (2006.01) H04L 27/26 (2006.01)
  - [25] EN
  - [54] **ERROR CORRECTION DEVICE, ERROR CORRECTION METHOD, AND COMMUNICATION DEVICE**
  - [54] **DISPOSITIF DE CORRECTION D'ERREUR, PROCEDE DE CORRECTION D'ERREUR ET DISPOSITIF DE COMMUNICATION**
  - [72] YOSHIDA, MITSUTERU, JP
  - [72] ENDO, YASUYUKI, JP
  - [72] YAMAZAKI, ETSUSHI, JP
  - [72] OYAMA, KATSUCHI, JP
  - [72] ONUMA, YASUHARU, JP
  - [72] TOMIZAWA, MASAHITO, JP
  - [71] NTT ELECTRONICS CORPORATION, JP
  - [71] NIPPON TELEGRAPH AND TELEPHONE CORPORATION, JP
  - [85] 2019-06-21
  - [86] 2017-12-15 (PCT/JP2017/045125)
  - [87] (WO2018/154934)
  - [30] JP (2017-030818) 2017-02-22
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[13] A1

- [51] Int.Cl. C12N 15/09 (2006.01) A61K 39/395 (2006.01) A61P 43/00 (2006.01) C07K 16/28 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01)
- [25] EN
- [54] **ANTI-CD3 ANTIBODY AND MOLECULES COMPRISING THE ANTIBODY**
- [54] **ANTICORPS ANTI-CD3 ET MOLECULE CONTENANT LEDIT ANTICORPS**
- [72] TAKAHASHI, TOHRU, JP
- [72] YOSHIMURA, CHIGUSA, JP
- [72] KOZUMA, SHIHO, JP
- [72] NAKAMURA, KENSUKE, JP
- [72] SUZUKI, CHIKAKO, JP
- [72] ICHIKAWA, JUNYA, JP
- [71] DAIICHI SANKYO COMPANY, LIMITED, JP
- [85] 2019-06-21
- [86] 2017-12-21 (PCT/JP2017/046006)
- [87] (WO2018/117237)
- [30] JP (2016-249148) 2016-12-22

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[13] A1

- [51] Int.Cl. B32B 5/28 (2006.01) B29C 43/20 (2006.01) B29C 43/34 (2006.01) B29C 70/34 (2006.01) B32B 5/14 (2006.01)
  - [25] EN
  - [54] **COMPOSITE STRUCTURE AND METHOD FOR MANUFACTURING SAME**
  - [54] **STRUCTURE COMPOSITE ET SON PROCEDE DE FABRICATION**
  - [72] TAKEBE, YOSHIKI, JP
  - [72] HONMA, MASATO, JP
  - [71] TORAY INDUSTRIES, INC., JP
  - [85] 2019-06-21
  - [86] 2017-12-20 (PCT/JP2017/045790)
  - [87] (WO2018/117181)
  - [30] JP (2016-248747) 2016-12-22
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[13] A1

- [51] Int.Cl. C12N 15/09 (2006.01) C07K 14/00 (2006.01) C12N 1/15 (2006.01) C12P 21/04 (2006.01)
- [25] EN
- [54] **GENE INVOLVED IN SYNTHESIS OF CYCLIC PEPTIDE COMPOUND, METHOD FOR PRODUCING CYCLIC PEPTIDE COMPOUND USING THE SAME, AND TRANSFORMANT COMPRISING THE SAME**
- [54] **GENE ASSOCIE A LA SYNTHESE D'UN COMPOSE PEPTIDIQUE CYCLIQUE, PROCEDE DE PRODUCTION D'UN COMPOSE PEPTIDIQUE CYCLIQUE L'UTILISANT, ET TRANSFORMANT COMPRENANT LE GENE**
- [72] KUBO, TAKASHI, JP
- [72] MACHIDA, MASAYUKI, JP
- [72] UMEMURA, MAIKO, JP
- [72] ABE, KEIETSU, JP
- [72] YOSHIMI, AKIRA, JP
- [72] FUJIOKA, TOMONORI, JP
- [72] YAMAGUCHI, SHIGENARI, JP
- [72] KAWAI, KIYOSHI, JP
- [71] NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY, JP
- [71] TOHOKU UNIVERSITY, JP
- [71] KUMIAI CHEMICAL INDUSTRY CO., LTD., JP
- [85] 2019-06-21
- [86] 2017-12-27 (PCT/JP2017/046858)
- [87] (WO2018/128140)
- [30] JP (2017-000770) 2017-01-05

**[21] 3,048,177**

[13] A1

- [51] Int.Cl. B65D 85/804 (2006.01)
  - [25] EN
  - [54] **CAPSULE WITH SEALING RETENTION AND SYSTEM FOR PREPARING EDIBLE PRODUCTS BASED UPON SAID CAPSULES**
  - [54] **CAPSULE AVEC RETENUE D'ETANCHEITE ET SYSTEME DE PREPARATION DE PRODUITS COMESTIBLES AYANT POUR BASE DES CAPSULES**
  - [72] NABEIRO, RUI MIGUEL, PT
  - [72] DE FIGUEIREDO BRANCO, JOAO ANDRE, PT
  - [72] MEDINA MUNDT, JESUS, PT
  - [71] NOVADELTA - COMERCIO E INDUSTRIA DE CAFES, S.A., PT
  - [85] 2019-06-21
  - [86] 2017-12-27 (PCT/PT2017/050033)
  - [87] (WO2018/124901)
  - [30] PT (109816) 2016-12-29
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**[21] 3,048,178**

[13] A1

- [51] Int.Cl. C25B 11/08 (2006.01) C02F 1/46 (2006.01) C25B 1/26 (2006.01) C25B 9/00 (2006.01) E03D 9/08 (2006.01)
- [25] EN
- [54] **ELECTROLYZED WATER PRODUCTION DEVICE**
- [54] **DISPOSITIF DE PRODUCTION D'EAU ELECTROLYSEE**
- [72] HARA, TOMOHIRO, JP
- [72] AMEMORI, HIROAKI, JP
- [72] NAKANO, YUSUKE, JP
- [71] DE NORA PERMELEC LTD, JP
- [85] 2019-06-21
- [86] 2017-12-27 (PCT/JP2017/046950)
- [87] (WO2018/124195)
- [30] JP (2016-254719) 2016-12-28

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<p><b>[21] 3,048,179</b></p> <p>[13] A1</p> <p>[51] Int.Cl. B65D 85/804 (2006.01)</p> <p>[25] EN</p> <p>[54] CAPSULE WITH SEALING SUPPORT AND SYSTEM FOR PREPARING EDIBLE PRODUCTS BASED UPON SAID CAPSULES</p> <p>[54] CAPSULE AVEC SYSTEME D'ETANCHEITE AMELIORE</p> <p>[72] NABEIRO, RUI MIGUEL, PT</p> <p>[72] DE FIGUEIREDO BRANCO, JOAO ANDRE, PT</p> <p>[72] MEDINA MUNDT, JESUS, PT</p> <p>[71] NOVADELTA - COMERCIO E INDUSTRIA DE CAFES, S.A., PT</p> <p>[85] 2019-06-21</p> <p>[86] 2017-12-27 (PCT/PT2017/050034)</p> <p>[87] (WO2018/124902)</p> <p>[30] PT (109817) 2016-12-29</p>
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<p><b>[21] 3,048,180</b></p> <p>[13] A1</p> <p>[51] Int.Cl. G06F 17/27 (2006.01)</p> <p>[25] EN</p> <p>[54] IDENTIFYING A STRUCTURE PRESENTED IN PORTABLE DOCUMENT FORMAT (PDF)</p> <p>[54] IDENTIFICATION D'UNE STRUCTURE PRESENTEE DANS UN FORMAT DE DOCUMENT PORTABLE (PDF)</p> <p>[72] CHEN, YAN, US</p> <p>[71] FACTSET RESEARCH SYSTEMS INC., US</p> <p>[85] 2019-06-21</p> <p>[86] 2017-12-19 (PCT/US2017/067275)</p> <p>[87] (WO2018/125669)</p> <p>[30] US (15/393,362) 2016-12-29</p>
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<p><b>[21] 3,048,181</b></p> <p>[13] A1</p> <p>[51] Int.Cl. B65D 85/804 (2006.01)</p> <p>[25] EN</p> <p>[54] CAPSULE WITH ACTUATION PROJECTION AND SYSTEM FOR PREPARING EDIBLE PRODUCT BASED UPON SAID CAPSULES</p> <p>[54] CAPSULE AVEC ELEMENT SAILLANT D'ACTIONNEMENT ET SYSTEME DE PREPARATION DE PRODUITS COMESTIBLES AYANT POUR BASE DES CAPSULES</p> <p>[72] NABEIRO, RUI MIGUEL, PT</p> <p>[72] DE FIGUEIREDO BRANCO, JOAO ANDRE, PT</p> <p>[72] MEDINA MUNDT, JESUS, PT</p> <p>[71] NOVADELTA - COMERCIO E INDUSTRIA DE CAFES S.A., PT</p> <p>[85] 2019-06-21</p> <p>[86] 2017-12-27 (PCT/PT2017/050032)</p> <p>[87] (WO2018/124900)</p> <p>[30] PT (109815) 2016-12-29</p>
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<p><b>[21] 3,048,182</b></p> <p>[13] A1</p> <p>[51] Int.Cl. A61K 48/00 (2006.01) C12P 19/34 (2006.01) C40B 40/06 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS AND COMPOSITIONS FOR NUCLEIC ACID ASSEMBLY</p> <p>[54] METHODES ET COMPOSITIONS POUR L'ASSEMBLAGE D'ACIDES NUCLEIQUES</p> <p>[72] SAAEM, ISHTIAQ, US</p> <p>[71] GEN9, INC., US</p> <p>[85] 2019-06-21</p> <p>[86] 2016-12-21 (PCT/US2016/067927)</p> <p>[87] (WO2017/112731)</p> <p>[30] US (62/270,131) 2015-12-21</p>
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<p><b>[21] 3,048,183</b></p> <p>[13] A1</p> <p>[51] Int.Cl. E21B 19/15 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR AUTOMATED PIPE HANDLING</p> <p>[54] SYSTEME ET PROCEDE DE MANIPULATION AUTOMATIQUE DE TUBE</p> <p>[72] GORDON, ROBERT, US</p> <p>[72] FISK, BOBBY, US</p> <p>[72] GILLESPIE, RONALD, US</p> <p>[72] HARJO, CHARLES, US</p> <p>[72] WILLIAMS, DAVID, US</p> <p>[71] GORDON BROS. SUPPLY, INC., US</p> <p>[85] 2019-06-21</p> <p>[86] 2017-12-19 (PCT/US2017/067377)</p> <p>[87] (WO2018/118965)</p> <p>[30] US (15/388,746) 2016-12-22</p>
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<p><b>[21] 3,048,184</b></p> <p>[13] A1</p> <p>[51] Int.Cl. G06F 11/22 (2006.01) B25J 9/00 (2006.01) B25J 9/02 (2006.01) B25J 9/16 (2006.01) B25J 13/08 (2006.01) G05B 19/418 (2006.01) G06F 3/041 (2006.01)</p> <p>[25] EN</p> <p>[54] END EFFECTOR ATTACHMENT FOR TESTING ELECTRONIC TOUCHSCREEN DEVICE</p> <p>[54] ACCESSOIRE D'EFFECTEUR TERMINAL POUR TESTER UN DISPOSITIF A ECRAN TACTILE ELECTRONIQUE</p> <p>[72] FENTON, TIMOTHY M., US</p> <p>[72] JOHNSON, CHRISTOPHER D., US</p> <p>[72] STRADER, JOEL E., US</p> <p>[71] WALMART APOLLO, LLC, US</p> <p>[85] 2019-06-21</p> <p>[86] 2017-12-19 (PCT/US2017/067207)</p> <p>[87] (WO2018/118853)</p> <p>[30] US (62/437,904) 2016-12-22</p>
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  - [25] EN
  - [54] ARMED REPLICATION-COMPETENT ONCOLYTIC ADENOVIRUSES
  - [54] ADENOVIRUS ONCOLYTIIQUES ARMES APTES A LA REPLICATION
  - [72] CANTWELL, MARK J., US
  - [72] CHAN, WINNIE M., US
  - [72] EWALD, BRETT, US
  - [72] ROBBINS, JOAN M., US
  - [71] MEMGEN, LLC, US
  - [71] DNATRIX, US
  - [85] 2019-06-21
  - [86] 2017-12-19 (PCT/US2017/067380)
  - [87] (WO2018/118967)
  - [30] US (62/437,474) 2016-12-21
  - [30] US (62/584,008) 2017-11-09
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- [51] Int.Cl. C07K 16/24 (2006.01) A61P 37/08 (2006.01)
- [25] EN
- [54] ANTI-IL-5 ANTIBODIES
- [54] ANTICORPS ANTI-IL-5
- [72] LIDDAMENT, MARK TERENCE, AU
- [72] DOYLE, ANTHONY, AU
- [72] CLARKE, ADAM, AU
- [72] LAINE, DAVID JOSE SIMON, AU
- [72] COOKSEY, BRIDGET ANN, AU
- [71] CEPHALON, INC., US
- [85] 2019-06-21
- [86] 2017-12-20 (PCT/US2017/067475)
- [87] (WO2018/119016)
- [30] US (62/438,502) 2016-12-23

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- [51] Int.Cl. E21B 43/267 (2006.01) C09K 8/62 (2006.01) C09K 8/72 (2006.01)
  - [25] EN
  - [54] FRACTURING A FORMATION WITH MORTAR SLURRY
  - [54] FRACTURATION D'UNE FORMATION AVEC UNE SUSPENSION DE MORTIER
  - [72] SAVITSKI, ALEXEI ALEXANDROVICH, US
  - [72] FAIR, PHILLIP SCOTT, US
  - [71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
  - [85] 2019-06-21
  - [86] 2017-12-19 (PCT/US2017/067225)
  - [87] (WO2018/125659)
  - [30] US (62/439,961) 2016-12-29
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[13] A1

- [51] Int.Cl. H04L 1/00 (2006.01)
- [25] EN
- [54] FILTERING CODE BLOCKS TO MAINTAIN HIGH THROUGHPUT THRU A FORWARD ERROR CORRECTION DECODER
- [54] FILTRAGE DE BLOCS DE CODE POUR MAINTENIR UN DEBIT ELEVE A TRAVERS UN DECODEUR DE CORRECTION D'ERREUR SANS VOIE DE RETOUR
- [72] SUBRAMANIAM, BALA, US
- [72] DUHOVICH, ALEXEI, US
- [71] HUGHES NETWORK SYSTEMS, LLC, US
- [85] 2019-06-21
- [86] 2017-12-20 (PCT/US2017/067509)
- [87] (WO2018/125698)
- [30] US (15/392,103) 2016-12-28

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- [51] Int.Cl. E21B 43/267 (2006.01) C09K 8/62 (2006.01)
  - [25] EN
  - [54] FRACTURING A FORMATION WITH MORTAR SLURRY
  - [54] FRACTURATION D'UNE FORMATION AVEC UNE SUSPENSION DE MORTIER
  - [72] MONDAL, SOMNATH, US
  - [71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
  - [85] 2019-06-21
  - [86] 2017-12-19 (PCT/US2017/067236)
  - [87] (WO2018/125660)
  - [30] US (62/439,963) 2016-12-29
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- [25] EN
- [54] STORAGE RACK GUARD DROP-IN BRACKET
- [54] SUPPORT D'INSERTION DE PROTECTION D'ETAGERE DE RANGEMENT
- [72] MURPHY, EDWARD M., US
- [72] JUMP, SCOTT A., US
- [72] ROBERTS, CHRISTOPHER LEE, US
- [71] SPACEGUARD PRODUCTS, INC., US
- [85] 2019-06-21
- [86] 2016-12-23 (PCT/US2016/068524)
- [87] (WO2018/118083)

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<p style="text-align: right;"><b>[21] 3,048,193</b> [13] A1</p> <p>[51] Int.Cl. C12Q 1/68 (2018.01) C07D 401/14 (2006.01) [25] EN [54] METHODS FOR INDUCING AN IMMUNE RESPONSE BY PROMOTING PREMATURE TERMINATION CODON READ-THROUGH [54] METHODES POUR INDUIRE UNE REPONSE IMMUNITAIRE EN ACTIVANT LA LECTURE DE CODONS STOP PREMATURES [72] CHRISTIANO, ANGELA, US [71] MOONSHOT PHARMA LLC, US [85] 2019-06-21 [86] 2016-12-23 (PCT/US2016/068588) [87] (WO2017/112954) [30] US (62/387,565) 2015-12-23</p>	<p style="text-align: right;"><b>[21] 3,048,197</b> [13] A1</p> <p>[51] Int.Cl. A61B 3/10 (2006.01) G01B 9/02 (2006.01) [25] EN [54] MINIATURIZED MOBILE, LOW COST OPTICAL COHERENCE TOMOGRAPHY SYSTEM FOR HOME BASED OPHTHALMIC APPLICATIONS [54] SYSTEME DE TOMOGRAPHIE PAR COHERENCE OPTIQUE A FAIBLE COUT, MOBILE ET MINIATURISE POUR APPLICATIONS OPHTALMIQUES A DOMICILE [72] SCHEIBLER, LUKAS, US [72] PFISTER, MATTHIAS, CH [72] SCHNELL, URBAN, CH [72] TROLLER, STEFAN, CH [72] KUBOTA, RYO, US [71] ACUCELA INC., US [85] 2019-06-21 [86] 2017-12-20 (PCT/US2017/067603) [87] (WO2018/119077) [30] US (62/437,486) 2016-12-21 [30] US (62/539,382) 2017-07-31 [30] US (62/546,935) 2017-08-17 [30] US (62/547,314) 2017-08-18</p>	<p style="text-align: right;"><b>[21] 3,048,202</b> [13] A1</p> <p>[51] Int.Cl. C07K 9/00 (2006.01) [25] EN [54] METHODS FOR INDUCING AN IMMUNE RESPONSE BY INHIBITION OF NONSENSE MEDIATED DECAY [54] PROCEDES D'INDUCTION D'UNE REPONSE IMMUNITAIRE PAR INHIBITION DE LA DEGRADATION DES ARNM NON-SENS [72] CHRISTIANO, ANGELA, US [71] MOONSHOT PHARMA LLC, US [85] 2019-06-21 [86] 2016-12-23 (PCT/US2016/068589) [87] (WO2017/112955) [30] US (62/387,565) 2015-12-23</p>
<p style="text-align: right;"><b>[21] 3,048,203</b> [13] A1</p> <p>[51] Int.Cl. H04N 21/418 (2011.01) H04N 21/426 (2011.01) H04N 21/4627 (2011.01) H04N 21/81 (2011.01) [25] EN [54] FORCED EXECUTION OF AUTHENTICATED CODE [54] EXECUTION FORCEE DE CODE AUTHENTIFIQUE [72] BEALS, WILLIAM MICHAEL, US [71] DISH TECHNOLOGIES L.L.C., US [85] 2019-06-21 [86] 2017-12-22 (PCT/US2017/068173) [87] (WO2018/125797) [30] US (62/439,850) 2016-12-28 [30] US (15/394,537) 2016-12-29</p>		

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  - [25] EN
  - [54] METHODS FOR INDUCING AN IMMUNE RESPONSE
  - [54] PROCEDES POUR INDUIRE UNE REPONSE IMMUNITAIRE
  - [72] CHRISTIANO, ANGELA, US
  - [71] MOONSHOT PHARMA LLC, US
  - [85] 2019-06-21
  - [86] 2016-12-23 (PCT/US2016/068591)
  - [87] (WO2017/112956)
  - [30] US (62/387,565) 2015-12-23
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- [51] Int.Cl. A61K 31/495 (2006.01) A61P 25/24 (2006.01) C07D 295/096 (2006.01)
  - [25] EN
  - [54] METHODS OF TREATING DEPRESSION
  - [54] METHODES DE TRAITEMENT DE LA DEPRESSION
  - [72] SRINIVASAN, SUNDAR, US
  - [72] CHOW, CHRISTINA, US
  - [71] RUNDLE RESEARCH, LLC, US
  - [85] 2019-06-21
  - [86] 2017-03-30 (PCT/US2017/025131)
  - [87] (WO2018/182639)
  - [30] US (15/474,675) 2017-03-30
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[13] A1

- [51] Int.Cl. B65D 25/08 (2006.01) B65D 51/24 (2006.01) B65D 81/34 (2006.01) B65D 85/72 (2006.01)
- [25] EN
- [54] DISPENSING DEVICE FOR A DRINK BOTTLE
- [54] DISPOSITIF DE DISTRIBUTION POUR BOUTEILLE DE BOISSON
- [72] IRIZARRY, MARIO JUNIOR, US
- [72] HOWARD, DANIEL, US
- [71] TOPSTERS LLC, US
- [85] 2019-06-21
- [86] 2017-12-20 (PCT/US2017/067747)
- [87] (WO2018/119158)
- [30] AU (2016905316) 2016-12-22

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[13] A1

- [51] Int.Cl. H04M 3/38 (2006.01)
  - [25] EN
  - [54] SYSTEM AND METHOD FOR MULTILINGUAL AUTHENTICATION ACCESS TO COMMUNICATION SYSTEM IN CONTROLLED ENVIRONMENT
  - [54] SYSTEME ET PROCEDE D'ACCES D'AUTHENTIFICATION MULTILINGUE A UN SYSTEME DE COMMUNICATION DANS UN ENVIRONNEMENT CONTROLE
  - [72] HODGE, STEPHEN L., US
  - [71] GLOBAL TEL\*LINK CORP., US
  - [85] 2019-06-21
  - [86] 2017-12-22 (PCT/US2017/068189)
  - [87] (WO2018/119397)
  - [30] US (15/390,296) 2016-12-23
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- [51] Int.Cl. C12Q 1/6811 (2018.01) C12Q 1/68 (2018.01) G01N 27/447 (2006.01) G01N 33/53 (2006.01)
- [25] EN
- [54] ELECTROPHORESIS DIAGNOSTIC METHODS AND KITS
- [54] METHODES ET TROUSSES DE DIAGNOSTIC PAR ELECTROPHORESE
- [72] KOUSSA, MOUNIR A., US
- [72] WARD, ANDREW, US
- [72] GARDEN, PADRIC, US
- [72] PULIDO, ANTHONY, US
- [72] DEMARCO, BRADLEY, US
- [72] BLANCHARD, CHRISTOPHER, US
- [72] CHANDRASEKARAN, ARUNRICHARD, US
- [72] FORMAN, JOSHUA, US
- [72] CALDWELL, LISA, US
- [71] VITAL BIOSCIENCES, INC., CA
- [85] 2019-06-21
- [86] 2017-12-22 (PCT/US2017/068302)
- [87] (WO2018/119437)
- [30] US (62/438,583) 2016-12-23

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[13] A1

- [51] Int.Cl. A61K 39/395 (2006.01) A61P 35/04 (2006.01) C07K 16/18 (2006.01) C07K 16/40 (2006.01)
  - [25] EN
  - [54] ADAM9-BINDING MOLECULES, AND METHODS OF USE THEREOF
  - [54] MOLECULES DE LIAISON A ADAM9 ET LEURS PROCEDES D'UTILISATION
  - [72] LOO, DERYK T., US
  - [72] SCRIBNER, JUNIPER A., US
  - [72] BARAT, BHASWATI, US
  - [72] DIEDRICH, GUNDO, US
  - [72] JOHNSON, LESLIE S., US
  - [72] BONVINI, EZIO, US
  - [71] MACROGENICS, INC., US
  - [85] 2019-06-21
  - [86] 2017-12-21 (PCT/US2017/067770)
  - [87] (WO2018/119166)
  - [30] US (62/438,516) 2016-12-23
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[13] A1

- [51] Int.Cl. G01N 33/48 (2006.01) G01N 35/00 (2006.01)
- [25] EN
- [54] SYSTEMS AND METHODS FOR ALGORITHMIC EXTRACELLULAR VESICLE POPULATION DISCOVERY AND CHARACTERIZATION
- [54] SYSTEMES ET PROCEDES DE DECOUVERTE ET DE CARACTERISATION DE POPULATIONS DE VESICULES EXTRACELLULAIRES ALGORITHMIQUES
- [72] PLANETY, CATHERINE ROSEMARY, US
- [72] MOK, ALEXANDER FEN, US
- [71] MANTRA BIO, INC., US
- [85] 2019-06-21
- [86] 2018-01-08 (PCT/US2018/012841)
- [87] (WO2018/129481)
- [30] US (62/443,540) 2017-01-06

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- [51] Int.Cl. C12Q 1/18 (2006.01)
  - [25] EN
  - [54] METHODS FOR IMPROVED RAPID ANTIMICROBIAL SUSCEPTIBILITY TESTING
  - [54] PROCEDES DE TEST RAPIDE DE LA SENSIBILITE ANTIMICROBIENNE AMELIORE
  - [72] STERN, ERIC, US
  - [72] VACIC, ALEKSANDAR, US
  - [72] FLENTIE, KELLY, US
  - [72] SPEARS, BENJAMIN, US
  - [72] GIOK, FELICIA, US
  - [71] SELUX DIAGNOSTICS, INC., US
  - [85] 2019-06-21
  - [86] 2017-12-22 (PCT/US2017/068306)
  - [87] (WO2018/119439)
  - [30] US (62/438,780) 2016-12-23
  - [30] US (62/488,454) 2017-04-21
  - [30] US (62/535,106) 2017-07-20
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[13] A1

- [51] Int.Cl. A62C 2/00 (2006.01) A62C 2/04 (2006.01)
  - [25] EN
  - [54] FREQUENCY FIRE EXTINGUISHER
  - [54] EXTINCTEUR D'INCENDIE A FREQUENCES
  - [72] CASAMENTO, MICHAEL, US
  - [71] CASAMENTO, MICHAEL, US
  - [85] 2019-06-21
  - [86] 2018-01-10 (PCT/US2018/013153)
  - [87] (WO2018/140237)
  - [30] US (15/415,757) 2017-01-25
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[13] A1

- [51] Int.Cl. C07D 275/04 (2006.01) A61K 31/428 (2006.01) A61K 31/429 (2006.01) A61K 31/437 (2006.01) A61K 31/498 (2006.01) A61K 31/517 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01) C07D 239/80 (2006.01) C07D 401/04 (2006.01) C07D 403/04 (2006.01) C07D 417/04 (2006.01) C07D 471/04 (2006.01) C07D 471/08 (2006.01) C07D 487/04 (2006.01) C07D 487/10 (2006.01) C07D 513/04 (2006.01)
- [25] EN

[54] KRAS G12C INHIBITORS AND METHODS OF USING THE SAME

- [54] INHIBITEURS DE KRAS G12C ET LEURS PROCEDES D'UTILISATION
  - [72] LANMAN, BRIAN ALAN, US
  - [72] CEE, VICTOR J., US
  - [72] PICKRELL, ALEXANDER J., US
  - [72] REED, ANTHONY B., US
  - [72] YANG, KEVIN C., US
  - [72] KOPECKY, DAVID JOHN, US
  - [72] WANG, HUI-LING, US
  - [72] LOPEZ, PATRICIA, US
  - [72] ASHTON, KATE, US
  - [72] BOOKER, SHON, US
  - [72] TEGLEY, CHRISTOPHER M., US
  - [71] AMGEN INC., US
  - [85] 2019-06-21
  - [86] 2017-12-21 (PCT/US2017/067801)
  - [87] (WO2018/119183)
  - [30] US (62/438,334) 2016-12-22
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[21] 3,048,218  
[13] A1

- [51] Int.Cl. G01N 33/50 (2006.01) G01N 33/555 (2006.01)
  - [25] EN
  - [54] SYSTEMS AND METHODS FOR TESTING AND SCREENING USING COMPOUND BOUND SUBSTRATES
  - [54] SYSTEMES ET PROCEDES DE TEST ET DE CRIBLAGE UTILISANT DES SUBSTRATS LIES A UN COMPOSE
  - [72] NORTH, ANNE, US
  - [72] MUFTI, NAHEED, US
  - [71] CERUS CORPORATION, US
  - [85] 2019-06-21
  - [86] 2017-12-22 (PCT/US2017/068352)
  - [87] (WO2018/119462)
  - [30] US (62/438,909) 2016-12-23
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[13] A1

- [51] Int.Cl. C12N 15/02 (2006.01) C12N 5/09 (2010.01) A61P 35/00 (2006.01)
  - [25] EN
  - [54] PERSONALIZED VACCINES
  - [54] VACCINS PERSONNALISES
  - [72] KUFE, DONALD, US
  - [71] DANA-FARBER CANCER INSTITUTE, INC., US
  - [85] 2019-06-21
  - [86] 2018-01-11 (PCT/US2018/013302)
  - [87] (WO2018/132559)
  - [30] US (62/444,945) 2017-01-11
  - [30] US (62/515,892) 2017-06-06
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[13] A1

- [51] Int.Cl. C07D 487/04 (2006.01) A61K 31/437 (2006.01) A61K 31/5517 (2006.01) A61P 1/04 (2006.01) A61P 43/00 (2006.01) C07D 519/00 (2006.01)
- [25] EN
- [54] 1H-PYRROLE-2,5-DIONE COMPOUNDS AND METHODS OF USING THEM TO INDUCE SELF-RENEWAL OF STEM/PROGENITOR SUPPORTING CELLS
- [54] COMPOSES 1H-PYRROLE-2,5-DIONE ET LEURS PROCEDES D'UTILISATION POUR INDUIRE UN AUTO-RENOUVELLEMENT DE CELLULES DE SUPPORT SOUCHES/PROGENITRICES
- [72] LOOSE, CHRISTOPHER, US
- [72] TAIT, BRADLEY, US
- [72] MANCHANDA, RAJESH, US
- [72] MCLEAN, WILL, US
- [71] FREQUENCY THERAPEUTICS, INC., US
- [85] 2019-06-21
- [86] 2017-12-21 (PCT/US2017/067885)
- [87] (WO2018/125746)
- [30] US (62/441,060) 2016-12-30
- [30] US (62/484,282) 2017-04-11

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**[21] 3,048,224**

[13] A1

- [51] Int.Cl. C07K 16/28 (2006.01)
  - [25] EN
  - [54] ANTI-SEZ6L2 ANTIBODIES AND ANTIBODY DRUG CONJUGATES
  - [54] ANTICORPS ANTI-SEZ6L2 ET CONJUGUES ANTICORPS-MEDICAMENTS
  - [72] JEFFERIES, KEVIN, US
  - [72] LONNING, SCOTT MICHAEL, US
  - [72] PEDERSON, NELS ERIC, US
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  - [72] RIKOVA, KLARISA, US
  - [72] TKACHEV, ALEKSANDR, US
  - [71] BLUEFIN BIOMEDICINE, INC., US
  - [85] 2019-06-21
  - [86] 2017-12-22 (PCT/US2017/068098)
  - [87] (WO2018/119351)
  - [30] US (62/438,943) 2016-12-23
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[13] A1

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  - [54] MATERIAU D'ALUMINIUM POUR BRASAGE SANS FLUX SOUS ATMOSPHERE CONTROLEE
  - [72] BAUMANN, STEPHEN F., US
  - [72] DANZ, MICHAEL P., US
  - [72] SUN, NING, US
  - [71] ARCONIC INC., US
  - [85] 2019-06-21
  - [86] 2018-01-24 (PCT/US2018/015006)
  - [87] (WO2018/140468)
  - [30] US (62/452,090) 2017-01-30
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**[21] 3,048,226**

[13] A1

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- [25] EN
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- [54] LIVRAISON PARTICIPATIVE BASEE SUR UN ENSEMBLE D'EXIGENCES
- [72] WILKINSON, BRUCE W., US
- [72] MATTINGLY, TODD D., US
- [72] O'BRIEN, JOHN J., US
- [71] WALMART APOLLO, LLC, US
- [85] 2019-06-21
- [86] 2017-12-26 (PCT/US2017/068400)
- [87] (WO2018/125858)
- [30] US (62/439,329) 2016-12-27

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[13] A1

- [51] Int.Cl. H04L 1/18 (2006.01) H04W 72/04 (2009.01) H04W 72/12 (2009.01) H04L 5/00 (2006.01)
  - [25] EN
  - [54] COMMUNICATING CONTROL DATA BASED ON REFERENCE SIGNALS IN WIRELESS COMMUNICATIONS
  - [54] COMMUNICATION DE DONNEES DE COMMANDE SUR LA BASE DE SIGNAUX DE REFERENCE DANS DES COMMUNICATIONS SANS FIL
  - [72] HOSSEINI, SEYEDKIANOUSH, US
  - [72] CHEN, WANSHI, US
  - [72] PATEL, SHIMMAN ARVIND, US
  - [71] QUALCOMM INCORPORATED, US
  - [85] 2019-06-21
  - [86] 2018-02-02 (PCT/US2018/016583)
  - [87] (WO2018/144810)
  - [30] US (62/454,517) 2017-02-03
  - [30] US (15/886,584) 2018-02-01
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- [25] EN
- [54] APPARATUS AND METHOD FOR STOCKING STORES WITH MOBILE MODULAR DISPLAYS
- [54] APPAREIL ET PROCEDE DE STOCKAGE DE MAGASINS AU MOYEN DE PRESENTOIRES MODULAIRES MOBILES
- [72] MATTINGLY, TODD D., US
- [72] BRYAN, GREG A., US
- [72] ENSSLE, BENJAMIN D., US
- [72] WINKLE, DAVID C., US
- [72] WILKINSON, BRUCE W., US
- [72] BROOKS, CRISTY C., US
- [71] WALMART APOLLO, LLC, US
- [85] 2019-06-21
- [86] 2017-12-27 (PCT/US2017/068456)
- [87] (WO2018/125881)
- [30] US (62/440,116) 2016-12-29
- [30] US (62/440,136) 2016-12-29
- [30] US (62/440,142) 2016-12-29
- [30] US (62/440,147) 2016-12-29

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  - [25] EN
  - [54] TUMOR AND IMMUNE CELL IMAGING BASED ON PD-L1 EXPRESSION
  - [54] IMAGERIE DE CELLULES TUMORALES ET DE CELLULES IMMUNITAIRES REPOSANT SUR L'EXPRESSION DE PD-L1
  - [72] NIMMAGADDA, SRIDHAR, US
  - [72] POMPER, MARTIN G., US
  - [72] CHATTERJEE, SAMIT, US
  - [72] LESNIAK, WOJCIECH G., US
  - [72] KUMAR, DHIRAJ, IN
  - [71] THE JOHNS HOPKINS UNIVERSITY, US
  - [85] 2019-06-21
  - [86] 2017-12-21 (PCT/US2017/068025)
  - [87] (WO2018/119313)
  - [30] US (62/438,575) 2016-12-23
  - [30] US (62/519,534) 2017-06-14
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- [51] Int.Cl. A47K 5/14 (2006.01)
- [25] EN
- [54] DISPENSERS, REFILL UNITS AND PUMPS HAVING VACUUM ACTUATED ANTIDRIP MECHANISMS
- [54] DISTRIBUTEURS, UNITES DE RECHARGE ET POMPES A MECANISMES ANTIGOUTTE ACTIONNES PAR LE VIDE
- [72] CIAVARELLA, NICK E., US
- [72] MARSHALL, AARON D., US
- [72] HARRIS, DONALD RUSSELL, US
- [72] JENKINS, DENNIS K., US
- [71] GOJO INDUSTRIES, INC., US
- [85] 2019-06-21
- [86] 2018-02-21 (PCT/US2018/019001)
- [87] (WO2018/156615)
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[13] A1

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  - [54] HYDRAULIC CLUTCHES, GEARBOXES, TRANSMISSIONS, AND ENERGY RECOVERY SYSTEMS
  - [54] EMBRAYAGES HYDRAULIQUES, BOITES DE VITESSES, TRANSMISSIONS ET SYSTEMES DE RECUPERATION D'ENERGIE
  - [72] ABAITANCEI, HORIA, RO
  - [72] MIHAI, CORNEL, RO
  - [72] IOANA, STEFAN, US
  - [71] A & A INTERNATIONAL, LLC, US
  - [85] 2019-06-21
  - [86] 2017-12-21 (PCT/US2017/068042)
  - [87] (WO2018/119326)
  - [30] US (62/498,349) 2016-12-21
  - [30] US (15/731,267) 2017-05-15
  - [30] US (15/731,271) 2017-05-15
  - [30] US (15/731,383) 2017-06-05
  - [30] US (62/605,283) 2017-08-07
  - [30] US (62/605,291) 2017-08-07
  - [30] US (62/606,522) 2017-09-26
  - [30] US (62/584,650) 2017-11-10
  - [30] US (62/598,366) 2017-12-13
  - [30] US (62/598,364) 2017-12-13
  - [30] RO (A/2017/01155) 2017-12-20
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- [51] Int.Cl. E21B 47/017 (2012.01) E21B 44/00 (2006.01) E21B 47/01 (2012.01)
- [25] EN
- [54] DOWNHOLE PROBE SLEEVES AND METHODS FOR MAKING PROBE SLEEVES
- [54] MANCHONS DE SONDE DE FOND DE TROU ET PROCEDES DE FABRICATIONS DE MANCHONS DE SONDE
- [72] STACK, LUKE A., CA
- [72] LOGAN, AARON W., CA
- [72] LOGAN, JUSTIN C., CA
- [72] DERKACZ, PATRICK R., CA
- [71] EVOLUTION ENGINEERING INC., CA
- [85] 2019-06-25
- [86] 2017-12-21 (PCT/CA2017/051574)
- [87] (WO2018/112647)
- [30] US (62/438,971) 2016-12-23

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[13] A1

- [51] Int.Cl. B29C 70/08 (2006.01) B29C 70/46 (2006.01) B29C 70/78 (2006.01)
  - [25] EN
  - [54] COMBINED PRIMARY FIBER AND CARBON FIBER COMPONENT FOR PRODUCTION OF REINFORCED POLYMERIC ARTICLES
  - [54] COMPOSANT COMBINE A BASE DE FIBRE PRIMAIRE ET DE FIBRE DE CARBONE POUR LA PRODUCTION D'ARTICLES POLYMERES RENFORCES
  - [72] BOYER, DOMINIQUE, FR
  - [72] BOIVIN, GAETAN, FR
  - [72] GUHA, PROBIR, KUMAR, US
  - [72] TOITGANS, MARC-PHILIPPE, FR
  - [71] CONTINENTAL STRUCTURAL PLASTICS, INC., US
  - [85] 2019-06-24
  - [86] 2017-12-18 (PCT/US2017/066939)
  - [87] (WO2018/125626)
  - [30] US (62/439,090) 2016-12-26
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[13] A1

- [51] Int.Cl. B65D 25/14 (2006.01) B05D 7/22 (2006.01) B65D 85/72 (2006.01) C08G 65/00 (2006.01)
- [25] EN
- [54] PACKAGING COATING RESINS DERIVED FROM REACTIONS OF PHENOLS WITH POLYOLEFINIC TERPENES
- [54] EMBALLAGE DE RESINES DE REVETEMENT DERIVEES DE REACTIONS DE PHENOLS AVEC DES TERPENES POLYOLEFINIQUES
- [72] ANDRIOT, MATHIEU, US
- [72] GIBANEL, SEBASTIEN, US
- [72] PROUVOST, BENOIT, US
- [71] SWIMC, LLC, US
- [85] 2019-06-21
- [86] 2017-12-27 (PCT/US2017/068490)
- [87] (WO2018/125895)
- [30] US (62/439,564) 2016-12-28

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[13] A1

- [51] Int.Cl. H04N 19/593 (2014.01) H04N 19/105 (2014.01) H04N 19/11 (2014.01) H04N 19/136 (2014.01) H04N 19/176 (2014.01)
  - [25] EN
  - [54] IMPROVED VIDEO BITSTREAM CODING
  - [54] CODAGE DE FLUX BINAIRE VIDEO AMELIORE
  - [72] PANUSOPONE, KRIT, US
  - [72] HONG, SEUNGWOOK, US
  - [72] WANG, LIMIN, US
  - [71] ARRIS ENTERPRISES LLC, US
  - [85] 2019-06-21
  - [86] 2017-12-27 (PCT/US2017/068605)
  - [87] (WO2018/125944)
  - [30] US (62/439,724) 2016-12-28
  - [30] US (62/440,379) 2016-12-29
  - [30] US (62/459,797) 2017-02-16
  - [30] US (62/482,178) 2017-04-05
  - [30] US (62/522,420) 2017-06-20
  - [30] US (15/855,687) 2017-12-27
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**[21] 3,048,244**  
[13] A1

- [51] Int.Cl. C09J 5/02 (2006.01) C09D 163/00 (2006.01) C09J 5/06 (2006.01)
- [25] EN
- [54] AQUEOUS PRIMER COMPOSITION FOR ADHESIVE BONDING AND BONDING METHOD USING THE SAME
- [54] COMPOSITION PRIMAIRE AQUEUSE POUR LIAISON ADHESIVE ET PROCEDE DE LIAISON L'UTILISANT
- [72] ZHAO, YIQIANG, US
- [72] KOHLI, DALIP KUMAR, US
- [71] CYTEC INDUSTRIES, INC., US
- [85] 2019-06-21
- [86] 2017-12-28 (PCT/US2017/068666)
- [87] (WO2018/125978)
- [30] US (62/440,258) 2016-12-29

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[21] 3,048,246

[13] A1

[51] Int.Cl. C12Q 1/06 (2006.01) A23K 10/18 (2016.01) A23K 50/10 (2016.01) A23K 50/75 (2016.01)

[25] EN

[54] METHODS, APPARATUSES, AND SYSTEMS FOR ANALYZING COMPLETE MICROORGANISM STRAINS IN COMPLEX HETEROGENEOUS COMMUNITIES, DETERMINING FUNCTIONAL RELATIONSHIPS AND INTERACTIONS THEREOF, AND IDENTIFYING AND SYNTHESIZING BIOREACTIVE MODIFIERS BASED THEREON

[54] PROCEDES, APPAREILS, ET SYSTEMES PERMETTANT D'ANALYSER DES SOUCHES COMPLETES DE MICRO-ORGANISMES DANS DES COMMUNAUTES HETEROGENES COMPLEXES, DE DETERMINER LEURS INTERACTIONS ET RELATIONS FONCTIONNELLES, ET D'IDENTIFIER ET DE SYNTHETISER DES MODIFICATEURS BIOREACTIFS BASES SUR CEUX-CI

[72] EMBREE, MALLORY, US

[72] GAFFNEY, JAMES RUSSELL, US

[72] MARTINO, CAMERON JOSEPH, US

[71] ASCUS BIOSCIENCES, INC., US

[85] 2019-06-21

[86] 2017-12-28 (PCT/US2017/068740)

[87] (WO2018/126026)

[30] US (62/439,800) 2016-12-28

[30] US (62/560,174) 2017-09-18

[21] 3,048,247

[13] A1

[51] Int.Cl. C12Q 1/06 (2006.01) C12Q 1/689 (2018.01) C12N 1/20 (2006.01)

[25] EN

[54] METHODS, APPARATUSES, AND SYSTEMS FOR ANALYZING MICROORGANISM STRAINS IN COMPLEX HETEROGENEOUS COMMUNITIES, DETERMINING FUNCTIONAL RELATIONSHIPS AND INTERACTIONS THEREOF, AND DIAGNOSTICS AND BIOSTATE MANAGEMENT BASED THEREON

[54] PROCEDES, APPAREILS ET SYSTEMES PERMETTANT D'ANALYSER DES SOUCHES DE MICRO-ORGANISMES DANS DES COMMUNAUTES HETEROGENES COMPLEXES, DE DETERMINER LEURS INTERACTIONS ET RELATIONS FONCTIONNELLES, ET GESTION DE DIAGNOSTICS ET D'ETATS BIOLOGIQUES BASEE SUR CEUX-CI

[72] EMBREE, MALLORY, US

[72] MARTINO, CAMERON JOSEPH, US

[71] ASCUS BIOSCIENCES, INC., US

[85] 2019-06-21

[86] 2017-12-28 (PCT/US2017/068753)

[87] (WO2018/126033)

[30] US (62/439,804) 2016-12-28

[30] US (62/560,174) 2017-09-18

[21] 3,048,248

[13] A1

[51] Int.Cl. C12Q 1/06 (2006.01) C12Q 1/689 (2018.01) C12N 1/20 (2006.01)

[25] EN

[54] METHODS, APPARATUSES, AND SYSTEMS FOR MICROORGANISM STRAIN ANALYSIS OF COMPLEX HETEROGENEOUS COMMUNITIES WITH TRACER ANALYTICS, DETERMINATION OF FUNCTIONAL RELATIONSHIPS AND INTERACTIONS THEREOF, AND SYNTHESIS OF MICROBIAL ENSEMBLES INCLUDING DOSED MICROBIAL ENSEMBLES AND INOCULATIVE MICROBIAL ENSEMBLES

[54] PROCEDES, APPAREILS ET SYSTEMES POUR L'ANALYSE DE SOUCHES DE MICRO-ORGANISMES DE COMMUNAUTES HETEROGENES COMPLEXES AVEC DES ANALYSES DE TRACEURS, DETERMINATION DE LEURS INTERACTIONS ET RELATIONS FONCTIONNELLES, ET SYNTHESE D'ENSEMBLES MICROBIENS COMPRENANT DES ENSEMBLES MICROBIENS DOSES ET DES ENSEMBLES MICROBIENS INOCULATIFS

[72] EMBREE, MALLORY, US

[71] ASCUS BIOSCIENCES, INC., US

[85] 2019-06-21

[86] 2017-12-28 (PCT/US2017/068758)

[87] (WO2018/126036)

[30] US (62/439,867) 2016-12-28

[30] US (62/560,174) 2017-09-18

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  - [54] RACCORD D'ESPACEMENT SCELLE
  - [72] AHMOYE, DANIEL W., CA
  - [72] DERKACZ, PATRICK R., CA
  - [72] FRANCOEUR, ANGELICA J.B., CA
  - [72] HEPGUVENDIK, HASAN ALPER, CA
  - [72] KAZEMI MIRAKI, MOJTABA, CA
  - [72] LEE, GAVIN GAW-WAE, CA
  - [72] LOGAN, AARON W., CA
  - [72] LOGAN, JUSTIN C., CA
  - [72] STACK, LUKE A., CA
  - [72] WEST, KURTIS K. L., CA
  - [71] EVOLUTION ENGINEERING INC., CA
  - [85] 2019-06-25
  - [86] 2017-12-22 (PCT/CA2017/051599)
  - [87] (WO2018/112667)
  - [30] US (62/438,954) 2016-12-23
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[13] A1

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  - [25] EN
  - [54] ELASTOMERIC FILM-FORMING COMPOSITIONS AND ASSOCIATED ARTICLES AND METHODS
  - [54] COMPOSITIONS ELASTOMERES FILMOGENES ET ARTICLES ET PROCEDES ASSOCIES
  - [72] FOO, KHON PU, MY
  - [72] PRABHAKARAN, KUMARESAN, MY
  - [71] SKINPROTECT CORPORATION SDN BHD, MY
  - [85] 2019-06-25
  - [86] 2017-12-22 (PCT/AU2017/051450)
  - [87] (WO2018/119490)
  - [30] AU (2016905396) 2016-12-30
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[13] A1

- [51] Int.Cl. A61K 8/97 (2017.01) A61B 42/00 (2016.01) A41D 19/00 (2006.01) A61F 6/04 (2006.01) A61K 8/14 (2006.01) A61K 9/70 (2006.01) A61K 36/73 (2006.01) A61Q 19/00 (2006.01)
  - [25] EN
  - [54] ELASTOMERIC ARTICLES HAVING SKIN CARE PROPERTIES AND METHODS FOR THEIR PRODUCTION
  - [54] ARTICLES ELASTOMERES PRESENTANT DES PROPRIETES DE SOIN DE LA PEAU ET LEURS PROCEDES DE PRODUCTION
  - [72] FOO, KHON PU, MY
  - [72] LIM, CHIN KEONG, MY
  - [71] SKINPROTECT CORPORATION SDN BHD, MY
  - [85] 2019-06-25
  - [86] 2017-12-27 (PCT/AU2017/051464)
  - [87] (WO2018/119491)
  - [30] AU (2016905394) 2016-12-30
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  - [25] EN
  - [54] ERGONOMIC WORK STATION CHAIR
  - [54] CHAISE DE POSTE DE TRAVAIL ERGONOMIQUE
  - [72] FRYER, JEROME, CA
  - [71] DYNAMIC DISC DESIGNS CORP., CA
  - [85] 2019-06-25
  - [86] 2017-12-18 (PCT/CA2017/000268)
  - [87] (WO2018/119507)
  - [30] CA (2,953,773) 2016-12-30
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- [51] Int.Cl. G01N 33/38 (2006.01)
  - [25] EN
  - [54] MEASUREMENT CELL AND ASSOCIATED MEASUREMENT METHOD
  - [54] CELLULE DE MESURE ET PROCEDE DE MESURE ASSOCIE
  - [72] BOIS, AXEL-PIERRE, FR
  - [72] VU, MANH-HUYEN, FR
  - [71] CURIS INTERNATIONAL, FR
  - [85] 2019-06-21
  - [86] 2017-12-12 (PCT/FR2017/053512)
  - [87] (WO2018/115636)
  - [30] FR (1663366) 2016-12-23
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[13] A1

- [51] Int.Cl. F16J 15/28 (2006.01) F16J 15/34 (2006.01)
  - [25] EN
  - [54] MECHANISM FOR ASSEMBLING SPLIT SEAL RINGS
  - [54] MECANISME D'ASSEMBLAGE DE BAGUES D'ETANCHEITE FENDUES
  - [72] OWENS, GLENN ROBERT, JR., US
  - [72] RYNEARSON, RODNEY WAYNE, US
  - [72] KRAUS, MICHAEL ANTHONY, US
  - [71] FLOWSERVE MANAGEMENT COMPANY, US
  - [85] 2019-06-19
  - [86] 2018-01-10 (PCT/US2018/013131)
  - [87] (WO2018/132451)
  - [30] US (62/445,276) 2017-01-12
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[13] A1

- [51] Int.Cl. H01M 4/1391 (2010.01)
- [25] EN
- [54] ONE-POT SYNTHESIS FOR LITHIUM ION BATTERY CATHODE MATERIAL PRECURSORS
- [54] SYNTHESE MONOTOPE POUR PRECURSEURS DE MATERIAU DE CATHODE DE BATTERIE AU LITHIUM-ION
- [72] WONG, ANNABELLE, CA
- [72] HODGINS, CAMERON, CA
- [72] PASHIRI, ELAHE TALAIE, CA
- [72] NESVADERANI, FARHANG, CA
- [72] REID, O'RIAN, CA
- [72] MEHTA, SEAN, CA
- [72] CAMPBELL, STEPHEN A., CA
- [72] FENG, YINGZI, CA
- [71] NANO ONE MATERIALS CORP., CA
- [85] 2019-06-25
- [86] 2018-01-17 (PCT/CA2018/050044)
- [87] (WO2018/132903)
- [30] US (62/447,598) 2017-01-18
- [30] US (62/483,777) 2017-04-10

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[13] A1

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- [25] EN
- [54] HIGH-LOADING AND ALKALI-RESISTANT PROTEIN A MAGNETIC BEAD AND METHOD OF USE THEREOF
- [54] BILLE MAGNETIQUE DE PROTEINE A RESISTANTE AUX ALCALIS ET A CHARGE ELEVEE ET SON PROCEDE D'UTILISATION
- [72] WANG, CHAO, CN
- [72] HE, RUINA, CN
- [72] HAN, WEIJUAN, CN
- [72] QIAN, HONG, CN
- [72] BAI, TAO, CN
- [71] NANJINGJINSIRUI SCIENCE & TECHNOLOGY BIOLOGY CORP., CN
- [85] 2019-06-25
- [86] 2018-01-04 (PCT/CN2018/071397)
- [87] (WO2018/127099)
- [30] CN (201710005878.8) 2017-01-04

**[21] 3,048,278**  
[13] A1

- [51] Int.Cl. A61K 31/165 (2006.01) A61K 31/18 (2006.01) A61P 1/16 (2006.01) C07C 311/16 (2006.01)
- [25] EN
- [54] SULPHAMOYLARYL DERIVATIVES AND USE THEREOF AS MEDICAMENTS FOR THE TREATMENT OF LIVER FIBROSIS
- [54] DERIVES DE SULPHAMOYLARYLE ET LEUR UTILISATION EN TANT QUE MEDICAMENTS POUR LE TRAITEMENT DE LA FIBROSE HEPATIQUE
- [72] WAN, ZHAO-KUI, CN
- [72] GUO, HAIBING, CN
- [72] VANDYCK, KOEN, BE
- [72] RABOISSON, PIERRE, BE
- [72] TAHRI, ABDELLAH, BE
- [71] JANSSEN PHARMACEUTICA NV, BE
- [85] 2019-06-25
- [86] 2018-02-06 (PCT/CN2018/075362)
- [87] (WO2018/145620)
- [30] CN (PCT/CN2017/080185) 2017-04-12
- [30] CN (PCT/CN2017/073035) 2017-02-07

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[13] A1

- [51] Int.Cl. A61K 36/484 (2006.01) A61P 39/00 (2006.01) A61P 39/02 (2006.01)
- [25] EN
- [54] USE OF AT LEAST ONE GLYCYRRHIZA PLANT-BASED PREPARATION, AN ANTIDOTE MADE FROM SAME, AND THE USE OF SAID ANTIDOTE
- [54] UTILISATION D'AU MOINS UNE PREPARATION A BASE DE PLANTE GLYCYRRHIZA, ANTIDOTE CORRESPONDANT ET UTILISATION DE CET ANTIDOTE
- [72] MAYER, ELISABETH, AT
- [72] NOVAK, BARBARA, AT
- [72] SCHWAB-ANDICS, CHRISTINA, AT
- [72] HOFSTATTER-SCHAEHS, URSULA, AT
- [72] SCHATZMAYR, GERD, AT
- [71] ERBER AKTIENGESELLSCHAFT, AT
- [85] 2019-06-25
- [86] 2017-12-14 (PCT/EP2017/001426)
- [87] (WO2018/121881)
- [30] EP (16450032.4) 2016-12-28

**[21] 3,048,285**  
[13] A1

- [51] Int.Cl. C07D 417/08 (2006.01) A61P 35/00 (2006.01)
- [25] EN
- [54] SELECTIVE AURORA A KINASE INHIBITORS
- [54] INHIBITEURS SELECTIFS DE LA KINASE AURORA A
- [72] REYMOND, JEAN-LOUIS, CH
- [72] KILCHMANN, FALCO, CH
- [71] UNIVERSITAT BERN, CH
- [85] 2019-06-25
- [86] 2017-01-06 (PCT/EP2017/050283)
- [87] (WO2018/127292)

**[21] 3,048,287**  
[13] A1

- [51] Int.Cl. D21F 11/02 (2006.01) D21G 1/00 (2006.01) D21H 27/10 (2006.01)
- [25] EN
- [54] METHOD OF PRODUCING A HIGHLY STRETCHABLE PAPER
- [54] PROCEDE DE PRODUCTION D'UN PAPIER HAUTEMENT EXTENSIBLE
- [72] NORDLING, NILS, SE
- [72] STENMAN, TOMMY, SE
- [72] LINDBERG, ERIK, SE
- [71] BILLERUDKORSNAS AB, SE
- [85] 2019-06-21
- [86] 2018-04-05 (PCT/EP2018/058716)
- [87] (WO2018/185215)
- [30] EP (17165151.6) 2017-04-06

**[21] 3,048,288**  
[13] A1

- [51] Int.Cl. E04G 17/06 (2006.01) E04G 17/065 (2006.01) F16B 13/00 (2006.01) F16J 15/00 (2006.01)
- [25] EN
- [54] SEALING A LEAD-THROUGH OF A ANCHOR ROD THROUGH A PANEL FORMWORK ELEMENT
- [54] SYSTEME D'ETANCHEITE D'UN PASSAGE D'UNE TIGE D'ANCRAGE A TRAVERS UN ELEMENT DE COFFRAGE CADRE
- [72] DINGLER, GERHARD, DE
- [72] SCHRAMM, UWE, DE
- [72] SCHILLE, RICK, DE
- [71] MEVA SCHALUNGS-SYSTEME GMBH, DE
- [85] 2019-06-25
- [86] 2017-01-27 (PCT/DE2017/100056)
- [87] (WO2018/137728)

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[21] **3,048,289**  
[13] A1

[51] Int.Cl. C11B 1/10 (2006.01) A23D 9/02  
(2006.01) C11B 1/12 (2006.01)

[25] EN

[54] METHOD OF ISOLATING LIPIDS FROM A LIPIDS CONTAINING BIOMASS

[54] PROCEDE D'ISOLEMENT DE LIPIDES A PARTIR D'UNE BIOMASSE CONTENANT DES LIPIDES

[72] DIEHL, MICHAEL, DE  
[72] DONG, XIAO DANIEL, US  
[72] HARTMANN, ANNIKA, DE  
[72] HEINING, MARTIN, DE  
[72] JOHNSON, MICHAEL BENJAMIN, US  
[72] LEBERT, JOCHEN, DE  
[72] LEININGER, NEIL FRANCIS, US  
[72] MATTHEWS, KIRT LYVELL, SR., US  
[72] NEJAKO, MARK EDWARD, II, US  
[72] PFEIFER, HOLGER, DE  
[72] RABE, CHRISTIAN, DE  
[72] RESOP, SHANNON ELIZABETH ETHIER, US  
[72] SHANK, GINGER MARIE, US  
[72] TARWADE, VINOD, US  
[72] TINSLEY, DAVID ALLEN, US  
[71] EVONIK DEGUSSA GMBH, DE  
[71] DSM IP ASSETS B.V., NL  
[85] 2019-06-25  
[86] 2017-12-20 (PCT/EP2017/083712)  
[87] (WO2018/122057)  
[30] US (62/439,354) 2016-12-27  
[30] EP (17158286.9) 2017-02-28

[21] **3,048,290**  
[13] A1

[51] Int.Cl. G01N 33/22 (2006.01)

[25] EN

[54] METHOD FOR ESTIMATING A COMBUSTION CHARACTERISTIC OF A GAS THAT MAY CONTAIN DIHYDROGEN

[54] PROCEDE D'ESTIMATION D'UNE CARACTERISTIQUE DE COMBUSTION D'UN GAZ POUVANT CONTENIR DU DIHYDROGENE

[72] OURLIAC, MATHIEU, FR  
[72] CAPELA, SANDRA, FR  
[72] LANTOINE, LAURENT, FR  
[72] MANJOO, NAUSHAD, FR  
[71] ENGIE, FR  
[85] 2019-06-25  
[86] 2017-12-15 (PCT/FR2017/053613)  
[87] (WO2018/122490)  
[30] FR (1663468) 2016-12-28

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[21] **3,048,293**  
[13] A1

[51] Int.Cl. F17C 1/00 (2006.01)

[25] EN

[54] IMPROVED ANTI-STATIC PRESSURE TANK

[54] RESERVOIR SOUS PRESSION ANTISTATIQUE AMELIORE

[72] SHUBBAR, ABDUL AMIR, DE  
[72] SHUBBAR, MAHDI, DE  
[71] SHUBBAR, ABDUL AMIR, DE  
[71] SHUBBAR, MAHDI, DE  
[85] 2019-06-25  
[86] 2017-12-13 (PCT/DE2017/101069)  
[87] (WO2018/121812)  
[30] DE (10 2016 125 866.0) 2016-12-29

[21] **3,048,294**  
[13] A1

[51] Int.Cl. B22C 7/02 (2006.01) B22C 9/04  
(2006.01)

[25] FR

[54] CLUSTER MODEL AND SHELL FOR OBTAINING AN ACCESSORY FOR THE INDEPENDENT HANDLING OF FORMED PARTS, AND ASSOCIATED METHOD

[54] MODELE EN FORME DE GRAPPE ET CARAPACE POUR OBTENTION D'UN ACCESSOIRE INDEPENDANT DE PIECES FORMEES ET PROCEDE ASSOCIE

[72] NIANE, NGADIA TAHA, FR  
[72] BOHLI, RAMZI, FR  
[72] GALVIN, LOIC, FR  
[72] BOUKERMA, SAID, FR  
[71] SAFRAN, FR  
[71] SAFRAN AIRCRAFT ENGINES, FR  
[85] 2019-06-25  
[86] 2017-12-22 (PCT/FR2017/053815)  
[87] (WO2018/122516)  
[30] FR (16 63392) 2016-12-26

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[21] **3,048,296**  
[13] A1

[51] Int.Cl. G10H 1/00 (2006.01)

[25] EN

[54] ARRANGEMENT AND METHOD FOR THE CONVERSION OF AT LEAST ONE DETECTED FORCE FROM THE MOVEMENT OF A SENSING UNIT INTO AN AUDITORY SIGNAL

[54] AGENCEMENT ET PROCEDE DE CONVERSION D'AU MOINS UNE FORCE DETECTEE DU MOUVEMENT D'UNE UNITE DE DETECTION EN SIGNAL AUDITIF

[72] NAUER, ROGER, CH  
[72] RUPP, THOMAS, CH  
[72] HELLAT, ROLF, CH  
[72] SCHAUB, MARKUS, CH  
[71] MICTIC AG, CH  
[85] 2019-06-25  
[86] 2017-12-22 (PCT/EP2017/084490)  
[87] (WO2018/115488)  
[30] CH (01742/16) 2016-12-25

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[13] A1

- [51] Int.Cl. E21B 43/117 (2006.01) E21B 29/02 (2006.01) E21B 43/116 (2006.01) E21B 43/1185 (2006.01) E21B 43/263 (2006.01)
  - [25] EN
  - [54] IMPROVED TOOL
  - [54] OUTIL AMELIORE
  - [72] CHAPMAN, BARRY, GB
  - [72] WILKIE, DAVID JAMES, GB
  - [71] SPEX CORPORATE HOLDINGS LTD, GB
  - [85] 2019-06-25
  - [86] 2017-12-21 (PCT/GB2017/053869)
  - [87] (WO2018/115892)
  - [30] GB (1622103.8) 2016-12-23
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**[21] 3,048,303**

[13] A1

- [51] Int.Cl. H01J 33/00 (2006.01) H01J 33/02 (2006.01) H01J 33/04 (2006.01) H01J 37/075 (2006.01) H01J 37/20 (2006.01) H01J 37/28 (2006.01) H01J 37/29 (2006.01)
  - [25] EN
  - [54] OPTICALLY ADDRESSED, THERMIONIC ELECTRON BEAM DEVICE
  - [54] DISPOSITIF A FAISCEAU D'ELECTRONS THERMIONIQUE A ADRESSAGE OPTIQUE
  - [72] NOJEH, ALIREZA, CA
  - [72] DRIDI, KAIS, CA
  - [72] SAWATZKY, GEORGE ALBERT, CA
  - [72] PAUL, REUBEN LEVI, CA
  - [72] CHANG, MIKE H.C., CA
  - [72] PEASE, R. FABIAN W., US
  - [71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
  - [71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
  - [85] 2019-06-25
  - [86] 2017-12-15 (PCT/CA2017/051523)
  - [87] (WO2018/119513)
  - [30] US (62/440,205) 2016-12-29
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**[21] 3,048,305**

[13] A1

- [51] Int.Cl. A61B 5/0408 (2006.01) A61B 5/00 (2006.01) A61B 5/053 (2006.01) A61N 1/04 (2006.01) D02G 3/44 (2006.01) H01M 4/74 (2006.01)
  - [25] EN
  - [54] DISTURBANCES INDICATOR FOR A WEARABLE DEVICE
  - [54] INDICATEUR DE PERTURBATIONS POUR UN DISPOSITIF DESTINE A ETRE PORTE
  - [72] PROT, PIERRE, FR
  - [72] FROUIN, PIERRE-YVES, FR
  - [71] BIOSERENITY, FR
  - [85] 2019-06-25
  - [86] 2017-12-22 (PCT/FR2017/053832)
  - [87] (WO2018/122522)
  - [30] FR (1663387) 2016-12-26
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**[21] 3,048,310**

[13] A1

- [51] Int.Cl. A01G 7/04 (2006.01)
  - [25] EN
  - [54] SYSTEM AND METHOD FOR DETERMINING A PLANT STATUS
  - [54] SYSTEME ET PROCEDE POUR DETERMINER L'ETAT D'UNE PLANTE
  - [72] REUSCH, STEFAN, DE
  - [72] WUNTKE, LARS, DE
  - [72] STEPHAN, DANIEL, DE
  - [72] MATTOLAT, CHRISTOPH, DE
  - [71] YARA INTERNATIONAL ASA, NO
  - [85] 2019-06-25
  - [86] 2017-12-27 (PCT/EP2017/084607)
  - [87] (WO2018/122236)
  - [30] EP (16206925.6) 2016-12-27
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**[21] 3,048,311**

[13] A1

- [51] Int.Cl. C07C 257/18 (2006.01) A61K 31/155 (2006.01) A61P 37/00 (2006.01) A61P 37/06 (2006.01)
  - [25] EN
  - [54] MULTIFUNCTIONAL COMPOSITE BUILDING MATERIALS AND CONSTRUCTION THEREOF
  - [54] MATERIAUX DE CONSTRUCTION COMPOSITES MULTIFONCTIONNELS ET LEUR CONSTRUCTION
  - [72] RI, BYONG HYOK, KR
  - [72] RI, BYONG ROK, KP
  - [72] RI, KANG KWON, KR
  - [72] RI, DAE KWON, KR
  - [71] RI, BYONG HYOK, KR
  - [71] RI, KANG KWON, KR
  - [71] RI, DAE KWON, KR
  - [85] 2019-06-19
  - [86] 2016-12-28 (PCT/KP2016/000044)
  - [87] (WO2018/124314)
  - [30] KP (201620005052) 2016-12-26
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[13] A1

- [51] Int.Cl. E21B 43/10 (2006.01) E21B 17/05 (2006.01)
- [25] EN
- [54] DOWNHOLE SWIVEL TOOL
- [54] OUTIL ARTICULE DE FOND DE TROU
- [72] HOWLETT, PAUL, GB
- [71] SUDELAC LIMITED, GB
- [85] 2019-06-25
- [86] 2017-12-27 (PCT/GB2017/053896)
- [87] (WO2018/122558)
- [30] GB (1622338.0) 2016-12-28

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<p>[21] <b>3,048,312</b> [13] A1</p> <p>[51] Int.Cl. C12N 15/85 (2006.01) C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01) C07K 14/28 (2006.01) C07K 16/30 (2006.01) C07K 16/46 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12N 15/19 (2006.01) C12N 15/62 (2006.01) C12N 15/86 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>RP215 CHIMERIC ANTIGEN RECEPTOR CONSTRUCT AND METHODS OF MAKING AND USING SAME</b></p> <p>[54] <b>CONSTRUCTION DE RECEPTEUR D'ANTIGENE CHIMERE RP215 ET PROCEDES DE PRODUCTION ET D'UTILISATION DE CELLE-CI</b></p> <p>[72] LEE, CHI-YU GREGORY, CA [71] LEE, CHI-YU GREGORY, CA [85] 2019-06-25 [86] 2017-12-22 (PCT/CA2017/051600) [87] (WO2018/119518) [30] US (62/441,382) 2017-01-01 [30] US (62/480,207) 2017-03-31</p>
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<p>[21] <b>3,048,316</b> [13] A1</p> <p>[51] Int.Cl. G01B 21/04 (2006.01) A01B 79/00 (2006.01) G01B 5/00 (2006.01) G06K 9/00 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>DEVICE AND METHOD FOR DETERMINING A HEIGHT OF AN AGRICULTURAL PRODUCT</b></p> <p>[54] <b>DISPOSITIF ET PROCEDE POUR DETERMINER LA HAUTEUR D'UN PRODUIT AGRICOLE</b></p> <p>[72] REUSCH, STEFAN, DE [71] YARA INTERNATIONAL ASA, NO [85] 2019-06-25 [86] 2017-12-27 (PCT/EP2017/084608) [87] (WO2018/122237) [30] EP (16206921.5) 2016-12-27</p>
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<p>[21] <b>3,048,319</b> [13] A1</p> <p>[51] Int.Cl. H01Q 3/46 (2006.01) H01Q 21/24 (2006.01) H01Q 1/22 (2006.01) H01Q 1/52 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>TRANSPONDER STABILIZATION</b></p> <p>[54] <b>STABILISATION DE TRANSPONDEUR</b></p> <p>[72] KIRKNES, STEFFEN, NO [71] NORBIT ITS, NO [85] 2019-06-25 [86] 2018-01-24 (PCT/EP2018/051655) [87] (WO2018/138115) [30] NO (20170109) 2017-01-25</p>
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<p>[21] <b>3,048,317</b> [13] A1</p> <p>[51] Int.Cl. C12N 15/85 (2006.01) C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01) C07K 14/705 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12N 15/19 (2006.01) C12N 15/62 (2006.01) C12N 15/86 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>GHR-106 CHIMERIC ANTIGEN RECEPTOR CONSTRUCT AND METHODS OF MAKING AND USING SAME</b></p> <p>[54] <b>CONSTRUCTION D'UN RECEPTEUR ANTIGENIQUE CHIMERIQUE GHR-106, ET PROCEDES DE FABRICATION ET D'UTILISATION DE CE DERNIER</b></p> <p>[72] LEE, CHI-YU GREGORY, CA [71] LEE, CHI-YU GREGORY, CA [85] 2019-06-25 [86] 2017-12-22 (PCT/CA2017/051601) [87] (WO2018/119519) [30] US (62/441,380) 2017-01-01 [30] US (62/480,229) 2017-03-31</p>
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<p>[21] <b>3,048,320</b> [13] A1</p> <p>[51] Int.Cl. G06T 7/90 (2017.01) A01G 25/16 (2006.01) G01J 3/02 (2006.01) G01J 3/28 (2006.01) G01J 3/36 (2006.01) G01J 3/50 (2006.01) G01J 3/51 (2006.01) G01N 21/84 (2006.01) G01N 33/00 (2006.01) G06T 7/00 (2017.01)</p> <p>[25] EN</p> <p>[54] <b>HANDHELD DEVICE AND METHOD FOR DETERMINING A PLANT STATUS</b></p> <p>[54] <b>DISPOSITIF PORTATIF ET PROCEDE DE DETERMINATION D'UN ETAT D'UNE PLANTE</b></p> <p>[72] REUSCH, STEFAN, DE [71] YARA INTERNATIONAL ASA, NO [85] 2019-06-25 [86] 2017-12-27 (PCT/EP2017/084614) [87] (WO2018/122242) [30] EP (16207315.9) 2016-12-29 [30] EP (17173079.9) 2017-05-26</p>
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<p>[21] <b>3,048,322</b> [13] A1</p> <p>[51] Int.Cl. F16K 11/07 (2006.01) F16K 31/00 (2006.01) H01L 41/053 (2006.01) H01L 41/09 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>ACTUATOR</b></p> <p>[54] <b>ACTIONNEUR</b></p> <p>[72] BROOKS, IAN, GB [72] GUERRIER, PAUL, GB [71] MOOG CONTROLS LIMITED, GB [85] 2019-06-25 [86] 2018-01-26 (PCT/GB2018/050219) [87] (WO2018/138507) [30] GB (1701353.3) 2017-01-27</p>
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[13] A1

- [51] Int.Cl. C07D 281/02 (2006.01) A61K 31/554 (2006.01)
  - [25] EN
  - [54] TIANEPTINE OXALATE SALTS AND POLYMORPHS
  - [54] SELS ET POLYMORPHES D'OXALATE DE TIANEPTINE
  - [72] GIAFFREDA, STEFANO LUCA, IT
  - [72] MODENA, ENRICO, IT
  - [72] FABBRONI, SERENA, IT
  - [72] CHIARUCCI, MICHEL, IT
  - [72] EDGAR, MARK T., US
  - [71] TONIX PHARMA HOLDINGS LIMITED, BM
  - [85] 2019-06-25
  - [86] 2017-12-28 (PCT/IB2017/001709)
  - [87] (WO2018/122606)
  - [30] US (62/439,533) 2016-12-28
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**[21] 3,048,326**  
[13] A1

- [51] Int.Cl. C08F 210/06 (2006.01) B32B 27/32 (2006.01) C08F 2/00 (2006.01) C08J 5/18 (2006.01) C08F 4/651 (2006.01) C08F 210/08 (2006.01) C08F 210/16 (2006.01)
- [25] EN
- [54] PROCESS FOR PREPARING POLYPROPYLENE COMPOSITION
- [54] PROCEDE DE PREPARATION UNE COMPOSITION DE POLYPROPYLENE
- [72] LESKINEN, PAULI, FI
- [72] BORAGNO, LUCA, AT
- [71] BOREALIS AG, AT
- [85] 2019-06-25
- [86] 2017-12-27 (PCT/EP2017/084643)
- [87] (WO2018/122263)
- [30] EP (16207305.0) 2016-12-29

**[21] 3,048,327**  
[13] A1

- [51] Int.Cl. A01N 63/02 (2006.01) A01P 21/00 (2006.01)
- [25] FR
- [54] BIOSTIMULANT COMPOSITION FOR PLANT GROWTH, CONTAINING LIPOPEPTIDES
- [54] COMPOSITION BIOSTIMULANTE DE LA CROISSANCE DES PLANTES CONTENANT DES LIPOPEPTIDES
- [72] COUTTE, FRANCOIS, FR
- [72] DELECROIX, ARNAUD, FR
- [72] EL GHAZOUANI, ABDELNASSER, FR
- [72] JACQUES, PHILIPPE, BE
- [71] LIPOFABRIK, FR
- [85] 2019-06-25
- [86] 2017-12-29 (PCT/FR2017/053865)
- [87] (WO2018/122541)
- [30] FR (16/63540) 2016-12-30

**[21] 3,048,332**  
[13] A1

- [51] Int.Cl. H04W 88/08 (2009.01)
  - [25] EN
  - [54] RECONFIGURABLE RADIO REMOTE UNIT FOR DISTRIBUTED ANTENNA SYSTEMS
  - [54] UNITE RADIO DISTANTE RECONFIGURABLE DESTINEE A DES SYSTEMES D'ANTENNES DISTRIBUEES
  - [72] ORLANDINI, ROBERTO, IT
  - [72] BRIZZI, GILBERTO, IT
  - [72] NOTARGIACOMO, MASSIMO, IT
  - [72] FRANCIA, PAOLO, IT
  - [72] LIPORESI, ISABELLA, IT
  - [71] TEKO TELECOM S.R.L., IT
  - [85] 2019-06-25
  - [86] 2017-12-20 (PCT/IB2017/058207)
  - [87] (WO2018/122690)
  - [30] IT (102016000131387) 2016-12-27
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**[21] 3,048,330**  
[13] A1

- [51] Int.Cl. G01S 17/32 (2006.01) G01S 7/481 (2006.01) G01S 7/491 (2006.01)
- [25] FR
- [54] METHODE DE TRAITEMENT D'UN SIGNAL ISSU D'UN LIDAR COHERENT POUR REDUIRE LE BRUIT ET SYSTEME LIDAR ASSOCIE
- [54] METHOD FOR PROCESSING A SIGNAL FROM A COHERENT LIDAR IN ORDER TO REDUCE NOISE AND RELATED LIDAR SYSTEM
- [72] PILLET, GREGOIRE, FR
- [72] FENEYROU, PATRICK, FR
- [71] THALES, FR
- [85] 2019-06-25
- [86] 2017-12-28 (PCT/EP2017/084754)
- [87] (WO2018/122339)
- [30] FR (1601875) 2016-12-27

**[21] 3,048,333**  
[13] A1

- [51] Int.Cl. G04F 10/00 (2006.01)
  - [25] EN
  - [54] CHRONOGRAPH
  - [54] CHRONOGRAPHE
  - [72] FERRANDINO, GABRIELE, IT
  - [71] GFIDEA S.R.L., IT
  - [85] 2019-06-25
  - [86] 2017-11-21 (PCT/IB2017/057289)
  - [87] (WO2018/127746)
  - [30] IT (102017000000509) 2017-01-03
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**[21] 3,048,334**  
[13] A1

- [51] Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01)
- [25] EN
- [54] COMPOSITIONS OF SMAD7 ANTISENSE OLIGONUCLEOTIDE AND METHODS OF TREATING OR PREVENTING PSORIASIS
- [54] COMPOSITIONS D'OLIGONUCLEOTIDE ANTISENS DE PROTEINE SMAD7 ET METHODES DE TRAITEMENT OU DE PREVENTION DU PSORIASIS
- [72] MONTELEONE, GIOVANNI, IT
- [72] BELLIN VIA, SALVATORE, CH
- [71] NOGRA PHARMA LIMITED, IE
- [85] 2019-06-25
- [86] 2017-12-29 (PCT/EP2017/084814)
- [87] (WO2018/122376)
- [30] US (62/440779) 2016-12-30

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[21] **3,048,336**  
[13] A1

[51] Int.Cl. E01H 1/10 (2006.01) E01H 1/04 (2006.01) E01H 1/05 (2006.01)  
[25] EN  
[54] SYSTEM, UNIT AND METHOD FOR RECOVERING DEICING LIQUIDS FROM AIR-PORT APRON SURFACES  
[54] SYSTEME, UNITE ET PROCEDE DE RECUPERATION DE LIQUIDES DE DEGIVRAGE A PARTIR DE SURFACES D'AIRE DE TRAFIC D'AEROPORT  
[72] SVANEBJERG, ELO, DK  
[72] VESTERGAARD, STEFAN, DK  
[71] VESTERGAARD COMPANY A/S, DK  
[85] 2019-06-25  
[86] 2017-12-13 (PCT/IB2017/057888)  
[87] (WO2018/142198)  
[30] IB (PCT/IB2017/050512) 2017-01-31

[21] **3,048,338**  
[13] A1

[51] Int.Cl. G16H 10/40 (2018.01)  
[25] EN  
[54] METHODS AND SYSTEMS FOR MONITORING BACTERIAL ECOSYSTEMS AND PROVIDING DECISION SUPPORT FOR ANTIBIOTIC USE  
[54] PROCEDES ET SYSTEMES DE SURVEILLANCE D'ECOSYSTEMES BACTERIENS ET DE FOURNITURE D'UNE AIDE A LA DECISION POUR UNE UTILISATION ANTIBIOTIQUE  
[72] TSAFNAT, GUY, AU  
[72] PARTRIDGE, SALLY RACHEL, AU  
[71] SPOKADE HOLDINGS PTY LTD, AU  
[85] 2019-06-25  
[86] 2018-01-08 (PCT/IB2018/000041)  
[87] (WO2018/127785)  
[30] US (62/444,222) 2017-01-09

[21] **3,048,344**  
[13] A1

[51] Int.Cl. A61L 2/07 (2006.01) A61L 11/00 (2006.01)  
[25] EN  
[54] STERILIZING APPARATUS FOR THE STERILIZATION OF POST-CONSUMER ABSORBENT SANITARY PRODUCTS  
[54] APPAREIL DE STERILISATION POUR LA STERILISATION DE PRODUITS SANITAIRES ABSORBANTS APRES UTILISATION  
[72] SOMMA, MARCELLO, IT  
[72] VACCARO, GIORGIO, IT  
[72] PAGOTTO, AMEDEO, IT  
[71] FATER S.P.A., IT  
[85] 2019-06-25  
[86] 2018-01-18 (PCT/IB2018/050304)  
[87] (WO2018/142234)  
[30] IT (102017000012621) 2017-02-06

[21] **3,048,337**  
[13] A1

[51] Int.Cl. E05F 1/16 (2006.01)  
[25] EN  
[54] SLIDING DOOR FITTING  
[54] FERRURE DE PORTE COUSSIANT  
[72] MONTECCHIO, ANDREAS, DE  
[72] WATERBOR, FELIX, DE  
[71] HETTICH-HEINZE GMBH & CO. KG, DE  
[85] 2019-06-25  
[86] 2018-01-03 (PCT/EP2018/050119)  
[87] (WO2018/127508)  
[30] DE (10 2017 100 250.2) 2017-01-09

[21] **3,048,341**  
[13] A1

[51] Int.Cl. B30B 15/02 (2006.01) B21D 5/02 (2006.01) B21D 37/14 (2006.01) B23Q 3/155 (2006.01)  
[25] EN  
[54] SYSTEM FOR TOOL CHANGING IN BENDING PRESSES  
[54] SYSTEME DE CHANGEMENT D'Outils DANS DES PRESSES A CINTRER  
[72] TARASCONI, GIAN LUCA, IT  
[72] MORA, VINCENZO, IT  
[72] MOTTA, MASSIMO, IT  
[71] FASTACHANGE S.R.L., IT  
[85] 2019-06-25  
[86] 2018-01-16 (PCT/IB2018/050258)  
[87] (WO2018/138598)  
[30] IT (102017000007989) 2017-01-25

[21] **3,048,346**  
[13] A1

[51] Int.Cl. A61K 9/16 (2006.01) A61K 9/14 (2006.01) A61K 9/48 (2006.01) A61K 31/5377 (2006.01) A61P 25/28 (2006.01)  
[25] EN  
[54] A PHARMACEUTICAL COMPOSITION COMPRISING AN OXAZINE DERIVATIVE AND ITS USE IN THE TREATMENT OR PREVENTION OF ALZHEIMER'S DISEASE  
[54] COMPOSITION PHARMACEUTIQUE COMPRENANT UN DERIVE D'OXAZINE ET SON UTILISATION DANS LE TRAITEMENT OU LA PREVENTION DE LA MALADIE D'ALZHEIMER  
[72] ACHOUR, MILOUD, CH  
[72] GALLI, BRUNO, CH  
[72] JOHN, EDGAR, CH  
[72] JUHNKE, MICHAEL, CH  
[72] KNEZIC, DRAGUTIN, US  
[72] KORADIA, VISHAL SHAMJI, CH  
[72] RAMOS, RITA, CH  
[71] NOVARTIS AG, CH  
[85] 2019-06-25  
[86] 2018-01-18 (PCT/IB2018/050312)  
[87] (WO2018/134760)  
[30] EP (17152481.2) 2017-01-20

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[13] A1

- [51] Int.Cl. C07K 16/22 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) A61K 39/00 (2006.01)
  - [25] EN
  - [54] COMBINED TREATMENT WITH NETRIN-1 INTERFERING DRUG AND IMMUNE CHECKPOINT INHIBITORS DRUGS
  - [54] TRAITEMENT COMBINE A L'AIDE D'UN MEDICAMENT INTERFERANT AVEC LA NETRINE-1 ET DES MEDICAMENTS INHIBITEURS DE POINTS DE CONTROLE IMMUNITAIRES
  - [72] DUCAROUGE, BENJAMIN, FR
  - [72] GOLDSCHNEIDER, DAVID, FR
  - [72] REDAVID, ANNA MARIA RITA, IT
  - [72] GIBERT, BENJAMIN, FR
  - [72] MEHLEN, PATRICK, FR
  - [71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, FR
  - [71] UNIVERSITE CLAUDE BERNARD LYON 1, FR
  - [71] NETRIS PHARMA, FR
  - [71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
  - [71] CENTRE LEON BERARD, FR
  - [85] 2019-06-25
  - [86] 2018-01-05 (PCT/EP2018/050289)
  - [87] (WO2018/127570)
  - [30] EP (17305014.7) 2017-01-05
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**[21] 3,048,351**

[13] A1

- [51] Int.Cl. G06Q 50/28 (2012.01)
- [25] EN
- [54] METHOD AND DEVICE FOR CUSHIONING AT LEAST ONE OBJECT IN A CONTAINER
- [54] PROCEDE ET DISPOSITIF DE REMBOURRAGE D'AU MOINS UN OBJET DANS UN CONTENANT
- [72] SLOVENCIK, JEAN-MARC, FR
- [72] DEIS, PAUL, FR
- [71] STOROPACK HANS REICHENECKER GMBH, DE
- [85] 2019-06-25
- [86] 2018-01-15 (PCT/EP2018/050842)
- [87] (WO2018/137951)
- [30] DE (10 2017 101 324.5) 2017-01-24

**[21] 3,048,355**

[13] A1

- [51] Int.Cl. A61L 27/12 (2006.01) A61L 27/36 (2006.01) A61L 27/56 (2006.01)
  - [25] FR
  - [54] MATERIAU DE REGENERATION OSSEUSE
  - [54] BONE REGENERATION MATERIAL
  - [72] DORY, EMILIE, BE
  - [72] ROMPEN, ERIC, BE
  - [72] LAMBERT, FRANCE, BE
  - [72] LECLOUX, GEOFFREY, BE
  - [71] WISHBONE, BE
  - [85] 2019-06-25
  - [86] 2018-01-15 (PCT/EP2018/050877)
  - [87] (WO2018/130686)
  - [30] BE (BE2017/5025) 2017-01-16
  - [30] EP (PCT/EP2017/050779) 2017-01-16
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[13] A1

- [51] Int.Cl. C07D 251/48 (2006.01) A61K 31/44 (2006.01) A61K 31/505 (2006.01) A61K 31/53 (2006.01) A61P 25/00 (2006.01) C07D 213/36 (2006.01) C07D 239/48 (2006.01) C07D 401/06 (2006.01) C07D 401/12 (2006.01)
- [25] EN
- [54] HETEROARYL COMPOUNDS AND THEIR USE
- [54] COMPOSES HETEROARYLE ET LEUR UTILISATION
- [72] GARCIA COLLAZO, ANA MARIA, ES
- [72] BARRIL ALONSO, XAVIER, ES
- [72] CUBERO JORDA, ELENA, ES
- [72] REVES VILAPLANA, MARC, ES
- [72] ROBERTS, RICHARD SPURRING, ES
- [71] MINORYX THERAPEUTICS S.L., ES
- [85] 2019-06-25
- [86] 2017-12-28 (PCT/IB2017/058477)
- [87] (WO2018/122775)
- [30] EP (16382672.0) 2016-12-29

**[21] 3,048,358**

[13] A1

- [51] Int.Cl. C22C 38/00 (2006.01) C21D 9/08 (2006.01) C21D 9/50 (2006.01) C22C 38/58 (2006.01) C21D 9/46 (2006.01)
  - [25] EN
  - [54] HOT-ROLLED STEEL SHEET FOR COILED TUBING
  - [54] TOLE D'ACIER LAMEE A CHAUD POUR TUBE D'INTERVENTION ENROULE
  - [72] MATSUMOTO, AKIHIDE, JP
  - [72] NAKATA, HIROSHI, JP
  - [72] TOYODA, SHUNSUKE, JP
  - [71] JFE STEEL CORPORATION, JP
  - [85] 2019-06-25
  - [86] 2017-12-14 (PCT/JP2017/044845)
  - [87] (WO2018/139095)
  - [30] JP (2017-010788) 2017-01-25
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**[21] 3,048,359**

[13] A1

- [51] Int.Cl. A62C 31/02 (2006.01)
- [25] EN
- [54] INJECTION HEAD HAVING SILENCING FUNCTION FOR GAS-TYPE FIRE EXTINGUISHER AND METHOD FOR STORING AND ASSEMBLING THEREOF
- [54] TETE DE JET DOTEE D'UNE FONCTION DE SILENCIEUX POUR EQUIPEMENT D'EXTINCTION D'INCENDIE A BASE DE GAZ, SON PROCEDE DE STOCKAGE ET D'ASSEMBLAGE
- [72] INOUE, YASUFUMI, JP
- [72] YABUSHITA, MASAHIRO, JP
- [71] KOATSU CO., LTD., JP
- [85] 2019-06-25
- [86] 2017-12-15 (PCT/JP2017/045110)
- [87] (WO2018/123656)
- [30] JP (2016-251814) 2016-12-26

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[21] **3,048,360**  
[13] A1

[51] Int.Cl. A61K 9/20 (2006.01) A61K 9/14 (2006.01) A61K 9/16 (2006.01) A61K 9/48 (2006.01) A61K 31/485 (2006.01) A61K 47/10 (2017.01) A61K 47/26 (2006.01)

[25] EN

[54] **PRODUCTION METHOD FOR FORMULATION HAVING IMPROVED CONTENT UNIFORMITY**

[54] **METHODE DE PRODUCTION POUR FORMULATION AYANT UNE UNIFORMITE DE TENEUR AMELIOREE**

[72] MASHIMO, AKIRA, JP  
[72] ICHIO, SHUNJI, JP  
[71] SHIONOGI & CO., LTD., JP  
[85] 2019-06-25  
[86] 2017-12-26 (PCT/JP2017/046614)  
[87] (WO2018/124062)  
[30] JP (2016-250513) 2016-12-26

[21] **3,048,362**  
[13] A1

[51] Int.Cl. C23C 28/00 (2006.01) B21D 22/20 (2006.01) B21D 22/26 (2006.01) C21D 1/18 (2006.01) C21D 9/00 (2006.01) C22C 21/02 (2006.01) C22C 38/00 (2006.01) C22C 38/14 (2006.01) C23C 2/12 (2006.01)

[25] EN

[54] **PLATED STEEL SHEET FOR HOT STAMPING, METHOD OF MANUFACTURING PLATED STEEL SHEET FOR HOT STAMPING, METHOD OF MANUFACTURING HOT-STAMPED COMPONENT, AND METHOD OF MANUFACTURING VEHICLE**

[54] **TOLE D'ACIER PLAQUEE POUR FORMAGE A CHAUD A LA PRESSE, SON PROCEDE DE FABRICATION, PROCEDE DE FABRICATION D'UN ARTICLE FORME A CHAUD A LA PRESSE ET PROCEDE DE FABRICATION DE VEHICULE**

[72] KUBO, MASAHIRO, JP  
[72] NAKAZAWA, YOSHIAKI, JP  
[72] SUZUKI, TOSHIYA, JP  
[72] NOMURA, NARIHIKO, JP  
[72] FUJITA, SOSHI, JP  
[72] IRIKAWA, HIDEAKI, JP  
[71] NIPPON STEEL CORPORATION, JP  
[85] 2019-06-25  
[86] 2017-12-21 (PCT/JP2017/046035)  
[87] (WO2018/123831)  
[30] JP (2016-256016) 2016-12-28

[21] **3,048,363**  
[13] A1

[51] Int.Cl. C09K 8/524 (2006.01) C09K 8/68 (2006.01) C09K 8/70 (2006.01) C09K 8/80 (2006.01) C09K 8/88 (2006.01) C09K 8/92 (2006.01)

[25] EN

[54] **FLUIDS FOR FRACKING OF PARAFFINIC OIL BEARING FORMATIONS**

[54] **FLUIDES POUR LA FRACTURATION DE FORMATIONS PETROLIFERES PARAFFINIQUES**

[72] FEUSTEL, MICHAEL, DE  
[72] KRULL, MATTHIAS, DE  
[72] MAHMOUDKHANI, AMIR, US  
[71] CLARIANT INTERNATIONAL LTD, CH  
[85] 2019-06-25  
[86] 2018-01-16 (PCT/EP2018/050915)  
[87] (WO2018/177619)  
[30] US (15/474,830) 2017-03-30  
[30] EP (17166968.2) 2017-04-19

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[21] **3,048,365**  
[13] A1

[51] Int.Cl. H01P 5/10 (2006.01) H01Q 9/28 (2006.01)

[25] EN

[54] **WIDEBAND ANTENNA BALUN**

[54] **SYMETRISEUR D'ANTENNE A LARGE BANDE**

[72] KIRKNES, STEFFEN, NO  
[71] NORBIT ITS, NO  
[85] 2019-06-25  
[86] 2018-01-24 (PCT/EP2018/051649)  
[87] (WO2018/138111)  
[30] NO (20170110) 2017-01-25

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<p>[21] 3,048,367 [13] A1</p> <p>[51] Int.Cl. G01R 31/08 (2006.01) B66B 7/12 (2006.01)</p> <p>[25] EN</p> <p>[54] SUSPENSION MEMBER ARRANGEMENT FOR AN ELEVATOR AND MONITORING ARRANGEMENT FOR MONITORING A SUSPENSION MEMBER</p> <p>[54] CONFIGURATION D'ELEMENT DE SUSPENSION D'UN ASCENSEUR ET CONFIGURATION DE SURVEILLANCE AFIN DE SURVEILLER UN ELEMENT DE SUSPENSION</p> <p>[72] HENNEAU, PHILIPPE, CH [71] INVENTIO AG, CH [85] 2019-06-25 [86] 2018-01-18 (PCT/EP2018/051175) [87] (WO2018/141554) [30] EP (PCT/EP2017/052064) 2017-01-31 [30] EP (17166943.5) 2017-04-18</p>
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<p>[21] 3,048,369 [13] A1</p> <p>[51] Int.Cl. C10G 1/04 (2006.01) [25] EN</p> <p>[54] HYDROTROPIC COMPOSITION AND ITS USES</p> <p>[54] COMPOSITION HYDROTOPIQUE ET SES UTILISATIONS</p> <p>[72] KING, ALISTAIR, FI [72] SKLAVOUNOS, EVANGELOS, FI [72] LAAKSONEN, TIINA, FI [72] RANTAMAKI, ANTTI, FI [72] WIEDMER, SUSANNE, FI [72] KYLLONEN, LASSE, FI [72] RUOKONEN, SUVI-KATRIINA, FI [71] KEMIRA OYJ, FI [85] 2019-06-25 [86] 2018-01-11 (PCT/FI2018/050015) [87] (WO2018/130748) [30] US (62/444,864) 2017-01-11</p>
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<p>[21] 3,048,372 [13] A1</p> <p>[51] Int.Cl. A01G 23/00 (2006.01) E02F 3/43 (2006.01) B66C 13/18 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD AND ARRANGEMENT TO CONTROL THE OPERATION OF A WOOD-HANDLING DEVICE IN A WORK MACHINE, AND A FOREST MACHINE</p> <p>[54] PROCEDE ET AGENCEMENT POUR COMMANDER LE FONCTIONNEMENT D'UN DISPOSITIF DE MANIPULATION DE BOIS DANS UN ENGIN DE CHANTIER, ET ENGIN FORESTIER</p> <p>[72] TOSSAVAINEN, JUKKA, FI [72] TANSKANEN, TERHO, FI [71] PONSSE OYJ, FI [85] 2019-06-25 [86] 2018-01-09 (PCT/FI2018/050013) [87] (WO2018/130747) [30] FI (20175016) 2017-01-10</p>
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<p>[21] 3,048,371 [13] A1</p> <p>[51] Int.Cl. B21D 28/02 (2006.01) B21D 28/14 (2006.01) B26F 1/14 (2006.01) [25] EN</p> <p>[54] SURFACE-TREATED STEEL SHEET PART HAVING CUT END SURFACE, AND CUTTING METHOD THEREFOR</p> <p>[54] ELEMENT DE PLAQUE D'ACIER TRAITEE EN SURFACE AYANT UNE SURFACE D'EXTREMITE COUPEE ET SON PROCEDE DE COUPE</p> <p>[72] SASAKI, HIROKAZU, JP [72] NAKAMURA, NAOFUMI, JP [72] YAMAMOTO, YUDAI, JP [71] NIPPON STEEL NISSHIN CO., LTD., JP [85] 2019-06-25 [86] 2016-12-26 (PCT/JP2016/088759) [87] (WO2018/122933)</p>
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<p>[21] 3,048,368 [13] A1</p> <p>[51] Int.Cl. F16K 11/07 (2006.01) F16K 3/314 (2006.01) F16K 31/126 (2006.01) [25] EN</p> <p>[54] REVERSING VALVE AND HOUSEHOLD WATER PURIFIER INCLUDING SAME TECHNICAL FIELD</p> <p>[54] SOUPAPE D'INVERSION ET DOMAINE TECHNIQUE DES PURIFICATEURS D'EAU DOMESTIQUES LA COMPRENANT</p> <p>[72] QIU, BIYONG, CN [71] 3M INNOVATIVE PROPERTIES COMPANY, US [85] 2019-06-25 [86] 2017-10-23 (PCT/US2017/057805) [87] (WO2018/080960) [30] CN (201610950245.X) 2016-10-26</p>
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**[21] 3,048,376**  
[13] A1

[51] Int.Cl. C07D 401/14 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01) A61K 31/55 (2006.01) A61K 31/551 (2006.01) A61K 31/553 (2006.01) A61P 19/08 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) C07D 405/14 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01) C07D 451/02 (2006.01) C07D 471/04 (2006.01) C07D 471/08 (2006.01) C07D 471/10 (2006.01) C07D 487/08 (2006.01)  
[25] EN  
[54] BMP-SIGNAL-INHIBITING COMPOUND  
[54] COMPOSE INHIBITEUR DE SIGNAL BMP  
[72] HASHIZUME, YOSHINOBU, JP  
[72] SEKIMATA, KATSUHIKO, JP  
[72] KUBOTA, HIROKAZU, JP  
[72] YAMAMOTO, HIROFUMI, JP  
[72] KODA, YASUKO, JP  
[72] KOYAMA, HIROO, JP  
[72] TAGURI, TOMONORI, JP  
[72] SATO, TOMOHIRO, JP  
[72] TANAKA, AKIKO, JP  
[72] MIYAZONO, KOHEI, JP  
[71] RIKEN, JP  
[71] THE UNIVERSITY OF TOKYO, JP  
[85] 2019-06-25  
[86] 2017-12-26 (PCT/JP2017/046508)  
[87] (WO2018/124001)  
[30] JP (2016-254414) 2016-12-27

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**[21] 3,048,378**  
[13] A1

[51] Int.Cl. B66C 23/42 (2006.01) A01G 23/00 (2006.01)  
[25] EN  
[54] CRANE AND WORK MACHINE  
[54] GRUE ET MACHINE DE TRAVAIL  
[72] AUVINEN, TONI, FI  
[72] HALONEN, MARKO, FI  
[71] PONSSE OYJ, FI  
[85] 2019-06-25  
[86] 2017-12-29 (PCT/FI2017/050962)  
[87] (WO2018/122468)  
[30] FI (20166052) 2016-12-30

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**[21] 3,048,379**  
[13] A1

[51] Int.Cl. C12Q 1/02 (2006.01) C12N 5/071 (2010.01) C12N 5/10 (2006.01)  
[25] EN  
[54] EVALUATION METHOD AND SELECTION METHOD FOR INDUCED PLURIPOTENT STEM CELLS, AND PRODUCTION METHOD FOR INDUCED PLURIPOTENT STEM CELLS  
[54] PROCEDE D'EVALUATION ET PROCEDE DE SELECTION DE CELLULES SOUCHES PLURIPOTENTES INDUITES, ET PROCEDE DE FABRICATION DE CELLULES SOUCHES PLURIPOTENTES INDUITES  
[72] SASAKI, KATSUNORI, JP  
[72] YAMADA, SACHIKO, JP  
[72] SAITO, KOICHI, JP  
[72] KANEKO, SHIN, JP  
[72] KITAYAMA, SHUICHI, JP  
[72] OKITA, KEISUKE, JP  
[71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP  
[71] KYOTO UNIVERSITY, JP  
[85] 2019-06-25  
[86] 2017-12-26 (PCT/JP2017/046755)  
[87] (WO2018/124118)  
[30] JP (2016-252672) 2016-12-27

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**[21] 3,048,380**  
[13] A1

[51] Int.Cl. C07F 7/28 (2006.01) H01M 8/08 (2016.01) H01M 8/20 (2006.01)  
[25] EN  
[54] AQUEOUS METHODS FOR FORMING TITANIUM CATECHOLATE COMPLEXES AND ASSOCIATED COMPOSITIONS  
[54] PROCEDES AQUEUX POUR FORMER DES COMPLEXES DE CATECHOLATE DE TITANE ET COMPOSITIONS ASSOCIEES  
[72] REECE, STEVEN Y., US  
[72] NELSON, EMILY GRACE, US  
[72] MILLARD, MATTHEW, US  
[71] LOCKHEED MARTIN ADVANCED ENERGY STORAGE, LLC, US  
[85] 2019-06-25  
[86] 2017-05-01 (PCT/US2017/030449)  
[87] (WO2018/125273)  
[30] US (15/473,553) 2017-03-29

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**[21] 3,048,381**  
[13] A1

[51] Int.Cl. A61K 38/46 (2006.01) A61K 9/19 (2006.01) A61K 39/395 (2006.01) A61K 47/02 (2006.01) A61K 47/10 (2017.01) A61K 47/26 (2006.01) A61P 25/00 (2006.01)  
[25] EN  
[54] LYOPHILIZED PREPARATION  
[54] PREPARATION LYOPHILISEE  
[72] YASUKAWA, HIDEHITO, JP  
[72] YAMAGUCHI, YUKA, JP  
[72] OKABE, SHINJI, JP  
[71] JCR PHARMACEUTICALS CO., LTD., JP  
[85] 2019-06-25  
[86] 2017-12-28 (PCT/JP2017/047207)  
[87] (WO2018/124277)  
[30] JP (2016-257060) 2016-12-28

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**[21] 3,048,382**  
[13] A1

[51] Int.Cl. H04N 19/117 (2014.01) H04N 19/136 (2014.01) H04N 19/182 (2014.01) H04N 19/46 (2014.01) H04N 19/82 (2014.01)  
[25] EN  
[54] IMAGE PROCESSING APPARATUS AND IMAGE PROCESSING METHOD  
[54] DISPOSITIF DE TRAITEMENT D'IMAGE ET PROCEDE DE TRAITEMENT D'IMAGE  
[72] KAWAI, TAKURO, JP  
[72] HOSOKAWA, KENICHIRO, JP  
[72] NAKAGAMI, OHJI, JP  
[72] IKEDA, MASARU, JP  
[71] SONY CORPORATION, JP  
[85] 2019-06-25  
[86] 2017-12-28 (PCT/JP2017/047374)  
[87] (WO2018/131524)  
[30] JP (2017-003467) 2017-01-12

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**[21] 3,048,383**  
[13] A1

[51] Int.Cl. H01C 3/00 (2006.01) H01C 3/10 (2006.01) H01C 13/00 (2006.01)  
[25] EN  
[54] RESISTOR ELEMENT  
[54] ELEMENT DE RESISTANCE  
[72] OKUMURA, KATSUYA, JP  
[72] EGUCHI, KAZUHIRO, JP  
[72] MURAMATSU, DAISUKE, JP  
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- [72] KOMATSU, IKUO, JP
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- [71] TOYO SEIKAN CO., LTD., JP
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- [72] SHIOHARA, MASAKI, JP
- [71] KOMATSU LTD., JP
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- [54] MAINTIEN DE LA PERCEPTION D'OCCUPANTS DANS DES VEHICULES
- [72] VON NOVAK, WILLIAM HENRY, US
- [72] SEZAN, MUHAMMED IBRAHIM, US
- [72] MAJUMDAR,SOMDEB, US
- [71] QUALCOMM INCORPORATED, US
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- [54] PROCEDE DE PRODUCTION DE MASSE CELLULAIRE EPITHELIALE CORNEENNE
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- [72] HAYASHI, RYUHEI, JP
- [72] SHIBATA, SHUN, JP
- [71] OSAKA UNIVERSITY, JP
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- [72] KIM, SEONG BO, KR
- [72] KIM, YANG HEE, KR
- [72] CHO, SEONG JUN, KR
- [72] CHOI, MYUNG SOOK, KR
- [72] HAN, YOUNG JI, KR
- [72] CHOI, JI YOUNG, KR
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- [72] KWON, EUN YOUNG, KR
- [71] CJ CHEILJEDANG CORPORATION, KR
- [71] KYUNGPOOK NATIONAL UNIVERSITY INDUSTRY-ACADEMIC COOPERATION FOUNDATION, KR
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- [72] BAEK, MIN JI, KR
- [72] LEE, JI HYE, KR
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- [54] SUPPORT DE BRANCARD INTELLIGENT POUR AMBULANCES
- [72] CASTEJON DE LA ENCINA, MARIA ELENA, ES
- [71] UNIVERSIDAD DE ALICANTE, ES
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[54] MACHINE DE PREPARATION DE BOISSONS AVEC ACCES AMELIORE A DES COMPOSANTS INTERNES DE LA MACHINE
[72] NABEIRO, RUI MIGUEL, PT
[72] DE FIGUEIREDO BRANCO, JOAO ANDRE, PT
[72] GONCALVES MARTINS, MARCO FILIPE, PT
[71] NOVADELTA - COMERCIO E INDUSTRIA DE CAFES, S.A., PT
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[54] MACHINE DE PREPARATION DE BOISSONS AVEC MOYEN D'EVACUATION AMOVIBLE
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[72] DE FIGUEIREDO BRANCO, JOAO ANDRE, PT
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[71] NOVADELTA - COMERCIO E INDUSTRIA DE CAFES, S.A., PT
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[54] PROCEDE DE FABRICATION D'ELEMENT TREMPE ET ELEMENT TREMPE
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[72] NAKAZAWA, YOSHIAKI, JP
[71] NIPPON STEEL CORPORATION, JP
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[71] GE-HITACHI NUCLEAR ENERGY AMERICAS LLC, US
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[72] FALER, CATHERINE A., US
[72] IACCINO, LARRY L., US
[72] LEWIS, KYLE G., US
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
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[71] AUSTIN, JAMES MATTHEW, US
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  - [54] **SYSTEME ET PROCEDE POUR FAIRE VARIER LA VERBOSITE DE REPONSE SUR LA BASE DES PROPRIETES DE CANAL DANS UNE COMMUNICATION DE GROUPE A L'AIDE D'UNE INTELLIGENCE ARTIFICIELLE**
  - [72] PROCTOR, LEE M., US
  - [71] MOTOROLA SOLUTIONS, INC., US
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- [54] **SEATED TREADMILL AND METHOD OF USE**
- [54] **TAPIS DE COURSE A UTILISATION ASSISE ET SON PROCEDE D'UTILISATION**
- [72] NETTER, JEAN PATRICK, US
- [72] MEDIN, DAVID L., US
- [71] ONTHEMUV, INC., US
- [85] 2019-06-25
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  - [54] **FRACTURATION D'UNE FORMATION AVEC UNE PATE DE MORTIER**
  - [72] EDWARDS, JOSEPH, US
  - [71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
  - [85] 2019-06-25
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- [54] **FRACTURATION DE FORMATION AVEC SUSPENSION DE MORTIER**
- [72] NEVELS, HEATH FLETCHER, US
- [72] COOK, ROBERT LANCE, US
- [71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
- [85] 2019-06-25
- [86] 2017-12-19 (PCT/US2017/067262)
- [87] (WO2018/125666)
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  - [54] **FRACTURATION D'UNE FORMATION AVEC UNE SUSPENSION DE MORTIER**
  - [72] FONSECA OCAMPOS, ERNESTO RAFAEL, US
  - [72] NEVELS, HEATH FLETCHER, US
  - [72] WANG, CONG, US
  - [72] ZHAI, ZONGYU, US
  - [71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
  - [85] 2019-06-25
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  - [25] EN
  - [54] **DATA SEALING WITH A SEALING ENCLAVE**
  - [54] **CONFINEMENT DE DONNEES AVEC UNE ENCLAVE DE CONFINEMENT**
  - [72] COSTA, MANUEL, US
  - [71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
  - [85] 2019-06-25
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- [54] **RETAIL FINANCIAL SYSTEM TESTING SYSTEM AND METHODS**
- [54] **SYSTEME ET PROCEDES DE TEST DE SYSTEME FINANCIER DE VENTE AU DETAIL**
- [72] FENTON, TIMOTHY M., US
- [72] JOHNSON, CHRISTOPHER D., US
- [72] STRADER, JOEL E., US
- [71] WALMART APOLLO, LLC, US
- [85] 2019-06-25
- [86] 2017-12-20 (PCT/US2017/067499)
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[54] MOULAGE PAR TRANSFERT DE RESINE A CANAL CONTINU A TEMPS DE CYCLE RAPIDE  
[72] BOYER, DOMINIQUE, FR  
[72] BONTE, PHILIPPE, FR  
[72] TOITGANS, MARC-PHILIPPE, FR  
[71] CONTINENTAL STRUCTURAL PLASTICS, INC., US  
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[25] EN  
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[72] SNIDER, CHRIS R., US  
[71] SCHLAGE LOCK COMPANY LLC, US  
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[25] EN  
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[54] ILLUMINATEUR DE DISPOSITIF A MICROMIRROIR NUMERIQUE A DIODES ELECTROLUMINESCENTE  
[72] BRUKILACCHIO, THOMAS JOHN, US  
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[25] EN  
[54] SYSTEM AND METHOD FOR DETERMINING TIMING OF RESPONSE IN A GROUP COMMUNICATION USING ARTIFICIAL INTELLIGENCE  
[54] SYSTEME ET PROCEDE POUR DETERMINER LA SYNCHRONISATION D'UNE REPONSE DANS UNE COMMUNICATION DE GROUPE A L'AIDE D'UNE INTELLIGENCE ARTIFICIELLE  
[72] PROCTOR, LEE M., US  
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[25] EN  
[54] PROCESS OF FORMING AN ABRASIVE ARTICLE  
[54] PROCEDE DE FORMATION D'ARTICLE ABRASIF  
[72] XIAO, JI, CN  
[72] LUO, AIYUN, CN  
[72] GOSAMO, IGNAZIO, BE  
[72] SUSEK, VIVIAN, FR  
[71] SAINT-GOBAIN ABRASIVES, INC., US  
[71] SAINT-GOBAIN ABRASIFS, FR  
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[25] EN  
[54] METHOD AND SYSTEM EMPLOYING DISTINGUISHABLE POLYMERASES FOR DETECTING TERNARY COMPLEXES AND IDENTIFYING COGNATE NUCLEOTIDES  
[54] PROCEDE ET SYSTEME UTILISANT DES POLYMERASES POUVANT ETRE DISTINGUEES POUR DETECTER DES COMPLEXES TERNAIRES ET IDENTIFIER DES NUCLEOTIDES PARENTS  
[72] DAMBACHER, COREY M., US  
[72] CAYER, DEVON, US  
[72] LECOULTRE, RICHARD, US  
[72] ROKICKI, JOSEPH, US  
[72] WILSON, KERRY, US  
[72] TU, EUGENE, US  
[72] VIJAYAN, KANDASWAMY, US  
[71] OMNIOME, INC., US  
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[54] PROCEDES D'OLIGOMERISATION D'ETHYLENE  
[72] BISCHOF, STEVEN M., US  
[72] SMALL, BROOKE L., US  
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US  
[85] 2019-06-25  
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  - [25] EN
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  - [54] SUPPORT D'ACCESSOIRE DE TOILETTES
  - [72] BACK, TREVOR J., US
  - [71] INVISIBOWL, LLC, US
  - [85] 2019-06-25
  - [86] 2017-12-27 (PCT/US2017/068475)
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  - [30] US (62/441,400) 2017-01-01
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- [25] EN
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- [54] TECHNOLOGIES POUR ETENDRE DE MANIERE SECURISEE DES API DE SERVICE EN NUAGE DANS UN MARCHE DE SERVICES EN NUAGE
- [72] KUZHIN, MAXIM, US
- [72] KHAEROV, ALEKSANDR, RU
- [72] ZATSEPIN, VLADIMIR, RU
- [72] GREBENSCHIKOV, VLADIMIR, RU
- [71] INGRAM MICRO INC., US
- [85] 2019-06-25
- [86] 2017-12-27 (PCT/US2017/068537)
- [87] (WO2018/125919)
- [30] US (15/393,354) 2016-12-29

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- [25] EN
- [54] SYSTEM AND METHOD FOR TRACKING DISPENSED PRODUCTS AT PARTICIPATING CUSTOMER LOCATIONS
- [54] SYSTEME ET PROCEDE DE SUIVI DE PRODUITS DISTRIBUES AUX EMPLACEMENTS DE CLIENTS PARTICIPANTS
- [72] CUPPARI, SCOTT, US
- [71] THE COCA-COLA COMPANY, US
- [85] 2019-06-25
- [86] 2017-12-28 (PCT/US2017/068629)
- [87] (WO2018/125955)
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[71] VANDERBILT UNIVERSITY, US  
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[54] PROCEDE DE FILAGE ET/OU TORSION DE FILS, MACHINE A FILER ET/OU A TORDRE LES FILS ET PROCEDE DE TRANSFORMATION D'UNE MACHINE A FILER ET/OU A TORDRE LES FILS  
[72] GALAN LLONGUERAS, JORDI, ES  
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[72] KING, STEPHANIE, US  
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- [54] ROUTAGE DE DEMANDE DE SOURCE DE VENTE AU DETAIL AUTO-ORGANISATEUR ET SYSTEMES ET PROCEDES DE PARTAGE DE CHARGE DISTRIBUEE
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- [72] BANSAL, PARIJAT, IN
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- [71] WALMART APOLLO, LLC, US
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- [54] ACTIVATION DE PROMEDICAMENT A ANTICORPS SPECIFIQUE AU SNC A MEDIATION PAR KLK6
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- [72] FONG, LOK-U, TW
- [72] HSU, SU-YI, TW
- [72] HU, CHIH-YUNG, TW
- [72] WU, CHIA-CHENG, TW
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- [72] VENDRUSCOLO, MICHELE, GB
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- [54] NANOParticules enrobées destinées à être utilisées pour moduler la polarisation électrique des neurones
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- [54] FILM PVB POUR AFFICHAGE TÈTE HAUTE (ATH), MOULE DE FORMAGE ET PROCEDE DE FORMAGE CORRESPONDANTS
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- [71] SAUDI ARABIAN OIL COMPANY, SA
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- [72] YI, XIANG, US
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- [71] FLOORWATCH, INC., US
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- [71] GKN SINTER METALS, LLC, US
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- [71] CELLIX BIO PRIVATE LIMITED, IN
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- [72] LI, HANDONG, US
- [72] XU, XUN, CN
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- [72] YANG, NAIBO, CN
- [72] DING, QUAN, CN
- [71] COMPLETE GENOMICS, INC., US
- [71] BGI SHENZHEN, CN
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- [54] DISPOSITIF D'ACCES ENDOSCOPIQUE GUIDE PAR ULTRASONS
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- [72] GESSLER, RAYMOND, III, US
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- [72] PALKHIWALA, KUSHAL, US
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[72] MCCUTCHEON, PAUL, CA  
[72] HENDRICKSON, B. EVERETT, US  
[72] CARLSON, TIMOTHY, US  
[71] FRIENDSHIP PRODUCTS LLC, US  
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[54] CEINTURE AVEC PANNEAU DE SUPPORT  
[72] HENRY, RYAN P., US  
[71] NIKE INNOVATE C.V., US  
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[54] APPAREIL CHIRURGICAL  
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[72] SHIN, DONG SUK, US  
[72] JANG, TAEHO, US  
[72] PARK, YONGMAN, US  
[72] LEE, JEIHAN, US  
[72] KIM, HONGMIN, US  
[72] NAM, KIHOON, US  
[72] HAN, SEOKYUNG, US  
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[71] COLUBRISMX, INC., US  
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[72] HARRELSON, DAVID BRENT, US  
[71] MANN+HUMMEL FILTRATION TECHNOLOGY US LLC, US  
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[72] MARCHETTI, CARLO, US  
[71] OLATEC THERAPEUTICS LLC, US  
[85] 2019-06-25  
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[54] PROCEDE ET SYSTEME POUR FOURNIR UNE THERAPIE A UN PATIENT PAR APPLICATION D'UN LARGE SPECTRE DE SIGNAUX DE BRUIT ELECTRIQUE ACCORDABLES  
[72] SCHEPIS, ERIC A., US  
[71] SOIN NEUROSCIENCE INC., US  
[85] 2019-06-25  
[86] 2018-01-15 (PCT/US2018/013700)  
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[54] DISPOSITIF GONFLABLE POUR AMELIORER UN FLUX CARDIAQUE PHYSIOLOGIQUE  
[72] WILSON, JOHN, US  
[72] SEGUIN, CHRISTOPHER, US  
[72] CESAROVIC, NIKOLA, CH  
[71] HARMONY DEVELOPMENT GROUP, INC., US  
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- [54] COMPOSITIONS ET PROCEDES ASSOCIES DESTINES A LA MODULATION D'ENDOSYMBIOTONS
- [72] MARTINEZ, IGNACIO, US
- [72] ARMEN, ZACHARY GARO, US
- [72] MARTIN, BARRY ANDREW, US
- [72] AVENDANO AMADO, MAIER STEVE, US
- [71] FLAGSHIP PIONEERING INNOVATIONS V, INC., US
- [85] 2019-06-25
- [86] 2018-02-23 (PCT/US2018/019577)
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- [54] PROCESS FOR PREPARING BIODEGRADABLE POLYMERS OF HIGH MOLECULAR WEIGHT
- [54] PROCEDE DE PREPARATION DE POLYMERES BIODEGRADABLES A HAUT POIDS MOLECULAIRE
- [72] KOFTIS, V. THEOCHARIS, GR
- [72] NEOKOSMIDIS, EFSTRATIOS, GR
- [72] KARIDI, KONSTANTINA, GR
- [72] VARVOGLI, ANASTASIA - AIKATERINI, GR
- [71] PHARMATHEN S.A., GR
- [85] 2019-06-26
- [86] 2017-12-21 (PCT/EP2017/025369)
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- [54] SUPPORT GARMENT
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- [72] BRANDT, BARON C., US
- [72] GROGRO, DANIELA, US
- [72] KOSHKAROFF, IUSTINIA, US
- [71] NIKE INNOVATE C.V., US
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- [54] METHODS FOR IN VITRO SITE DIRECTED MUTAGENESIS USING GENE EDITING TECHNOLOGIES
- [54] PROCEDES DE MUTAGENESE DIRIGEE IN VITRO FAISANT APPEL A DES TECHNOLOGIES D'EDITION DE GENES
- [72] KMIEC, ERIC BRIAN, US
- [72] VIDNE, MICHAEL, IL
- [72] TARCIC, GABI, IL
- [71] CHRISTIANA CARE HEALTH SERVICES, INC., US
- [71] NOVELLUSDX LTD., IL
- [85] 2019-06-25
- [86] 2018-01-09 (PCT/US2018/013009)
- [87] (WO2018/132390)
- [30] US (62/444,629) 2017-01-10
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[13] A1

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- [25] EN
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- [54] FILTRES A BALLES DE RIZ ACTIVEES, MILIEUX FILTRANTS ET PROCEDES
- [72] LIN, JOSHUA LOUIS, US
- [72] LIN, L-YU, US
- [71] GLANRIS WATER SYSTEMS, INC., US
- [85] 2019-06-25
- [86] 2018-02-20 (PCT/US2018/018819)
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- [30] US (62/464,009) 2017-02-27

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- [54] J-HOOK FILTER ASSEMBLY
- [54] ENSEMBLE FILTRE A CROCHET EN J
- [72] GLAZIEWSKI, JAMES MICHAEL, US
- [72] HUDSON, MATTHEW ROBERT, US
- [72] HARRELSON, DAVID BRENT, US
- [71] MANN+HUMMEL FILTRATION TECHNOLOGY US LLC, US
- [85] 2019-06-25
- [86] 2018-01-10 (PCT/US2018/013057)
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- [30] US (15/402,930) 2017-01-10

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[13] A1

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- [25] EN
- [54] SHAPED CHARGE LINER, METHOD OF MAKING SAME, AND SHAPED CHARGE INCORPORATING SAME
- [54] REVETEMENT DE CHARGE CREUSE, PROCEDE POUR SA FABRICATION ET CHARGE CREUSE L'INCORPORANT
- [72] LOEHKEN, JOERN OLAF, DE
- [71] DYNAENERGETICS GMBH & CO. KG, DE
- [85] 2019-06-26
- [86] 2017-12-15 (PCT/EP2017/082970)
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[54] REVETEMENT DESTINE A UNE REGULATION DE FLUX A LONG TERME ENVELOPPANT DES OBJETS MARINS

[72] BREUR, HENDRIK JACOBUS ARIE, NL

[71] INNOVALUE B.V., NL

[85] 2019-06-26

[86] 2017-12-22 (PCT/EP2017/084318)

[87] (WO2018/122151)

[30] NL (2018082) 2016-12-27

**[21] 3,048,518**

[13] A1

[51] Int.Cl. E01B 7/02 (2006.01)

[25] EN

[54] DEVICE FOR MOVING A TONGUE RAIL OF A SWITCH

[54] DISPOSITIF POUR DEPLACER UNE LAME D'AIGUILLE D'UN AIGUILLAGE

[72] REISER, GEORG, AT

[71] WIELAND AUSTRIA GES.M.B.H., AT

[85] 2019-06-26

[86] 2017-11-17 (PCT/AT2017/060303)

[87] (WO2018/119483)

[30] AT (A 51192/2016) 2016-12-29

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[13] A1

[51] Int.Cl. A61M 5/145 (2006.01) A61J 1/14 (2006.01) A61J 1/20 (2006.01) A61M 5/28 (2006.01)

[25] EN

[54] DRUG DELIVERY DEVICE WITH STERILE FLUID FLOWPATH AND RELATED METHOD OF ASSEMBLY

[54] DISPOSITIF D'ADMINISTRATION DE MEDICAMENT A TRAJET D'ECOULEMENT DE FLUIDE STERILE ET PROCEDE D'ASSEMBLAGE ASSOCIE

[72] DAMESTANI, YASAMAN, US

[72] RING, LAWRENCE S., US

[71] AMGEN INC., US

[85] 2019-06-25

[86] 2018-01-17 (PCT/US2018/014014)

[87] (WO2018/151890)

[30] US (62/460,559) 2017-02-17

**[21] 3,048,521**

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[51] Int.Cl. C12P 19/26 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 9/10 (2006.01) C12N 9/12 (2006.01) C12N 9/16 (2006.01) C12N 9/80 (2006.01) C12N 9/88 (2006.01) C12N 9/90 (2006.01) C12N 15/52 (2006.01) C12P 19/18 (2006.01)

[25] EN

[54] IN VIVO SYNTHESIS OF SIALYLATED COMPOUNDS

[54] SYNTHESE IN VIVO DE COMPOSES SIALYLES

[72] BEAUPREZ, JOERI, BE

[72] COUSSEMENT, PIETER, BE

[72] VAN HERPE, DRIES, BE

[72] PETERS, GERT, BE

[72] VERCAUTEREN, ANNELIES, BE

[71] INBIOSE N.V., BE

[85] 2019-06-26

[86] 2017-12-26 (PCT/EP2017/084593)

[87] (WO2018/122225)

[30] EP (16206916.5) 2016-12-27

**[21] 3,048,523**

[13] A1

[51] Int.Cl. A01N 1/02 (2006.01)

[25] EN

[54] DEVICES FOR TISSUE CRYOPRESERVATION AND RECOVERY

[54] DISPOSITIFS DE CRYOCONSERVATION ET DE RECUPERATION DE TISSU

[72] KHRISTOV, VLADIMIR ROUSKOV, US

[72] MAMINISHKIS, ARVYDAS, US

[72] BHARTI, KAPIL, JR., US

[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US

[85] 2019-06-25

[86] 2018-01-31 (PCT/US2018/016101)

[87] (WO2018/144515)

[30] US (62/453,148) 2017-02-01

**[21] 3,048,525**

[13] A1

[51] Int.Cl. B62D 7/09 (2006.01)

[25] EN

[54] PAVING MACHINE WITH SMART STEERING CONTROL

[54] MACHINE DE PAVAGE AVEC COMMANDE DE DIRECTION INTELLIGENTE

[72] FARR, THOMAS C., US

[72] BUMANN, RAYMOND J., III, US

[72] SCHÄDING, CHAD, US

[71] GOMACO CORPORATION, US

[85] 2019-06-25

[86] 2018-01-17 (PCT/US2018/014093)

[87] (WO2018/136549)

[30] US (62/447,153) 2017-01-17

[30] US (15/873,206) 2018-01-17

**[21] 3,048,526**

[13] A1

[51] Int.Cl. E03B 7/07 (2006.01) E03B 7/08 (2006.01)

[25] EN

[54] A DAMPENING VALVE UNIT

[54] UNITE DE CLAPET D'AMORTISSEMENT

[72] ABBING, ERIK, SE

[71] 3EFLOW AB, SE

[85] 2019-06-26

[86] 2017-12-27 (PCT/EP2017/084647)

[87] (WO2018/122265)

[30] SE (1651745-0) 2016-12-28

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[13] A1

[51] Int.Cl. A61F 2/01 (2006.01) A61B 17/221 (2006.01)

[25] EN

[54] EMBOLIC FILTER SYSTEM

[54] SYSTEME DE FILTRE EMBOLIQUE

[72] MONTGOMERY, WILLIAM D., US

[72] SHAW, EDWARD E., US

[71] W. L. GORE & ASSOCIATES, INC., US

[85] 2019-06-25

[86] 2018-01-19 (PCT/US2018/014395)

[87] (WO2018/136724)

[30] US (62/448,802) 2017-01-20

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- [25] EN
- [54] PROCESS FOR PRODUCING A POROUS CARBON ELECTRODE
- [54] PROCEDE DE FABRICATION D'UNE ELECTRODE EN CARBONE POREURX
- [72] DOYEN, WILLY, BE
- [72] CARDOEN, DENNIS, BE
- [72] HELSEN, JOOST, BE
- [72] CLAES, ANDRE-VIKTOR, BE
- [71] VITO NV, BE
- [85] 2019-06-26
- [86] 2017-12-27 (PCT/EP2017/084651)
- [87] (WO2018/122268)
- [30] EP (16207007.2) 2016-12-27

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[13] A1

- [51] Int.Cl. C12G 1/04 (2006.01) C12H 1/00 (2006.01)
- [25] FR
- [54] ENZYMATIC METHOD FOR REMOVING SULPHITE
- [54] PROCEDE ENZYMATIQUE D'ELIMINATION DU SULFITE
- [72] LEC, JEAN-CHRISTOPHE, FR
- [72] KRIZNIK, ALEXANDRE, FR
- [72] TALFOURNIER, FRANCOIS, FR
- [72] BOSCHI, SANDRINE, FR
- [71] UNIVERSITE DE LORRAINE, FR
- [85] 2019-06-26
- [86] 2017-12-22 (PCT/FR2017/053822)
- [87] (WO2018/130760)
- [30] FR (1750239) 2017-01-11

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[13] A1

- [51] Int.Cl. B08B 15/02 (2006.01) B01L 1/04 (2006.01) F24F 3/16 (2006.01)
- [25] EN
- [54] LABORATORY FUME HOOD HAVING WALL JETS
- [54] SORBONNE DE LABORATOIRE A JETS DE PAROI
- [72] LIEBSCH, JURGEN, DE
- [72] PASCHEREIT, CHRISTIAN OLIVER, DE
- [71] WALDNER LABOREINRICHTUNGEN GMBH & CO. KG, DE
- [85] 2019-06-26
- [86] 2017-12-28 (PCT/EP2017/084704)
- [87] (WO2018/122302)
- [30] DE (10 2016 125 890.3) 2016-12-29

**[21] 3,048,535**  
[13] A1

- [51] Int.Cl. H01S 3/30 (2006.01) H01S 3/06 (2006.01) H01S 3/081 (2006.01) H01S 3/083 (2006.01) H01S 3/086 (2006.01) H01S 3/091 (2006.01) H01S 3/105 (2006.01) H01S 3/108 (2006.01) H01S 3/16 (2006.01)
- [25] EN
- [54] SINGLE LONGITUDINAL MODE RING RAMAN LASER
- [54] LASER RAMAN EN ANNEAU A MODE LONGITUDINAL UNIQUE
- [72] SPENCE, DAVID, AU
- [72] KITZLER, ONDREJ, AU
- [72] LIN, JIPENG, AU
- [72] MILDREN, RICHARD, AU
- [72] PASK, HELEN, AU
- [72] MALCOLM, GRAEME, AU
- [72] HEMPLER, NILS, AU
- [72] WEBSTER, STEPHEN, AU
- [71] MACQUARIE UNIVERSITY, AU
- [85] 2019-06-26
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- [87] (WO2018/126293)
- [30] AU (2017900027) 2017-01-06

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- [54] SYSTEME DE COUPLAGE ETANCHE A HAUTE TEMPERATURE D'UN EMPILEMENT A OXYDES SOLIDES DE TYPE SOEC/SOFC
- [72] PLANQUE, MICHEL, FR
- [72] ORESIC, BRUNO, FR
- [72] ROUX, GUILHEM, FR
- [72] SZYNAL, PHILIPPE, FR
- [72] BERNARD, CHARLOTTE, FR
- [71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
- [85] 2019-06-26
- [86] 2017-12-27 (PCT/FR2017/053849)
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- [25] EN
- [54] CONTROLLED-RELEASED FERTILISER CONTAINER
- [54] RECIPIENT D'ENGRAIS A LIBERATION CONTROLEE
- [72] NG, KIM FUI, MY
- [71] PLANTSsafe GLOBAL SDN. BHD., MY
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- [25] FR
- [54] PISTON FOR A HEAT ENGINE, HEAT ENGINE COMPRISING SUCH A PISTON, AND METHODS
- [54] PISTON POUR MACHINE THERMIQUE, MACHINE THERMIQUE COMPRENANT UN TEL PISTON, ET PROCEDES
- [72] PROST, FABRICE, FR
- [72] HEAU, CHRISTOPHE, FR
- [72] MONTELIMARD, ROMAIN, FR
- [71] H.E.F., FR
- [85] 2019-06-26
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- [25] EN
- [54] METHOD AND SYSTEM FOR CONTROLLING OPERATION OF CRANE, AND CRANE
- [54] PROCEDE ET SYSTEME DE COMMANDE DE FONCTIONNEMENT DESTINES A UNE GRUE, ET GRUE
- [72] SHAN, ZENGHAI, CN
- [72] ZHU, CHANGJIAN, CN
- [72] LI, LIJING, CN
- [72] CHAI, JUNFEI, CN
- [72] LI, LEI, CN
- [71] XUZHOU HEAVY MACHINERY CO., LTD., CN
- [85] 2019-06-26
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- [25] EN
- [54] QUINAZOLINE COMPOUND AND PREPARATION METHOD, APPLICATION, AND PHARMACEUTICAL COMPOSITION THEREOF
- [54] COMPOSE DE QUINAZOLINE ET PROCEDE DE PREPARATION, UTILISATION ET COMPOSITION PHARMACEUTIQUE CORRESPONDANTES
- [72] XU, HENG, CN
- [72] CHEN, XIAOGUANG, CN
- [72] LIN, SONGWEN, CN
- [72] JI, MING, CN
- [72] JIN, JING, CN
- [72] WU, DEYU, CN
- [72] WANG, CHUNYANG, CN
- [72] LV, YUANHAO, CN
- [71] INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF MEDICAL SCIENCES, CN
- [85] 2019-06-26
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- [87] (WO2018/121550)
- [30] CN (201611211589.5) 2016-12-26
- [30] CN (201611204309.8) 2016-12-26
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- [25] EN
- [54] FUME CUPBOARD WITH GUIDED WALL JET STREAMS
- [54] SORBONNE PRESENTANT UN GUIDAGE DES JETS EN PAROI
- [72] BOBUSCH, BERNHARD, DE
- [72] KRUGER, OLIVER, DE
- [72] LIEBSCH, JURGEN, DE
- [72] PASCHEREIT, CHRISTIAN OLIVER, DE
- [72] WINTERING, JENS HERMANN, DE
- [71] WALDNER LABOREINRICHTUNGEN GMBH & CO. KG, DE
- [85] 2019-06-26
- [86] 2017-12-28 (PCT/EP2017/084706)
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- [30] DE (10 2016 125 891.1) 2016-12-29

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- [25] EN
- [54] ACCESS CONTROL RELATED METHOD, BASE STATION AND USER EQUIPMENT
- [54] PROCEDE DE CONTROLE D'ACCES, STATION DE BASE, ET EQUIPEMENT D'UTILISATEUR
- [72] ZHANG, CHONGMING, CN
- [72] LIU, RENMAO, CN
- [72] XIAO, FANGYING, CN
- [72] CHANG, NINGJUAN, CN
- [71] SHARP KABUSHIKI KAISHA, JP
- [71] FG INNOVATION COMPANY LIMITED, CN
- [85] 2019-06-26
- [86] 2017-12-18 (PCT/CN2017/116899)
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- [30] CN (201710012256.8) 2017-01-06

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- [25] EN
- [54] METHOD FOR PREPARING 1,4,7,10-TETRAAZACYCLODEDECANE-1,4,7,10-TETRAACETIC ACID
- [54] PROCEDE DE PREPARATION D'ACIDE 1,4,7,10-TETRAAZACYCLODEDECANE-1,4,7,10-TETRAACETIQUE
- [72] MENG, ZHOUJUN, CN
- [72] HE, YIGANG, CN
- [72] WEI, YANJUN, CN
- [72] XING, YANPING, CN
- [71] VIWIT PHARMACEUTICAL CO., LTD., CN
- [85] 2019-06-26
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[25] EN
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[54] POLYPROPYLENES PURS ET COMPOSITIONS DE POLYPROPYLENE POUR LE MOULAGE
[72] STANDAERT, ALAIN, BE
[72] FRANCOIS, DAVY, BE
[72] TERLINDEN, GEOFFROY, BE
[71] TOTAL RESEARCH & TECHNOLOGY FELUY, BE
[85] 2019-06-26
[86] 2018-01-12 (PCT/EP2018/050726)
[87] (WO2018/130638)
[30] EP (17151465.6) 2017-01-13

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[25] EN
[54] EX VIVO METHOD FOR THE PROGNOSIS OF METASTASIS IN PROSTATE CANCER
[54] METHODE EX VIVO DE PRONOSTIC DE METASTASES DU CANCER DE LA PROSTATE
[72] MONTECINOS ACUNA, VIVIANA, CL
[72] CERDA INFANTE, JAVIER, CL
[71] PONTIFICIA UNIVERSIDAD CATOLICA DE CHILE, CL
[71] CERDA INFANTE, JAVIER, CL
[85] 2019-06-26
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[87] (WO2018/119544)
[30] CL (3434-2016) 2016-12-30

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[25] EN
[54] CHEMICAL COMPOUNDS FOR COATING OF NANOSTRUCTURES
[54] COMPOSES CHIMIQUES POUR LE REVETEMENT DE NANOSTRUCTURES
[72] AXELSSON, OSKAR, SE
[72] SANZONE, ANGELO, SE
[71] SPAGO NANOMEDICAL AB, SE
[85] 2019-06-26
[86] 2018-01-16 (PCT/EP2018/050975)
[87] (WO2018/130713)
[30] EP (17151653.7) 2017-01-16

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[25] EN
[54] COMPOSITION OF MANNURONIC DIACID
[54] COMPOSITION D'ACIDE DICARBOXYLIQUE MANNURONIQUE
[72] GENG, MEIYU, CN
[72] DING, JIAN, CN
[72] ZHANG, ZHENQING, CN
[72] XIAO, ZHONGPING, CN
[72] DU, XIAOGUANG, CN
[72] XIN, XIANLIANG, CN
[71] SHANGHAI GREEN VALLEY PHARMACEUTICAL CO., LTD., CN
[71] SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES, CN
[85] 2019-06-26
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[87] (WO2018/121559)
[30] CN (PCT/CN2016/113879) 2016-12-30

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[51] Int.Cl. H04N 19/54 (2014.01) H04N 19/70 (2014.01)
[25] EN
[54] IMAGE PROCESSING DEVICE AND IMAGE PROCESSING METHOD
[54] DISPOSITIF ET PROCEDE DE TRAITEMENT D'IMAGE
[72] KONDO, KENJI, JP
[71] SONY CORPORATION, JP
[85] 2019-06-25
[86] 2017-12-28 (PCT/JP2017/047373)
[87] (WO2018/131523)
[30] JP (2017-003465) 2017-01-12

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- [25] EN
- [54] SERVICE PROCESSING METHOD AND APPARATUS
- [54] PROCEDE ET APPAREIL DE TRAITEMENT DE SERVICE
- [72] QIU, HONGLIN, CN
- [71] ALIBABA GROUP HOLDING LIMITED, KY
- [85] 2019-06-26
- [86] 2018-01-19 (PCT/CN2018/073395)
- [87] (WO2018/137564)
- [30] CN (201710057243.2) 2017-01-26

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- [25] EN
- [54] ANTI-CD47 ANTIBODIES AND USES THEREOF
- [54] ANTICORPS ANTI-CD47 ET SON UTILISATION
- [72] TSUN, ANDY, CN
- [72] LIU, DANDAN, CN
- [72] CHEN, BINGLIANG, CN
- [72] LIU, JUNJIAN, CN
- [71] INNOVENT BIOLOGICS (SUZHOU) CO., LTD., CN
- [85] 2019-06-26
- [86] 2018-08-28 (PCT/CN2018/102752)
- [87] (WO2019/042285)
- [30] CN (201710759828.9) 2017-08-29

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- [25] EN
- [54] ISOLATED POLYNUCLEOTIDES AND POLYPEPTIDES ASSOCIATED WITH PLANTS RESISTANCE TO PATHOGENIC FUNGI
- [54] POLYNUCLEOTIDES ET POLYPEPTIDES ISOLES ASSOCIES A UNE RESISTANCE DES PLANTES A DES CHAMPIGNONS PATHOGENES
- [72] TURGEMAN, TIDHAR, IL
- [72] VITERBO FAINZILBER, ADA, IL
- [72] EMMANUEL, EYAL, IL
- [71] EVOGENE LTD., IL
- [85] 2019-06-26
- [86] 2018-01-11 (PCT/IL2018/050044)
- [87] (WO2018/131037)
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- [25] EN
- [54] IMPROVED FRONT ADJUSTMENT SYSTEM FOR LEVELING FEET FOR FURNITURE
- [54] SYSTEME DE REGLAGE AVANT AMELIORE POUR NIVELER LES PIEDS POUR MEUBLES
- [72] CATTANEO, CARLO, IT
- [71] LEONARDO S.R.L., IT
- [85] 2019-06-26
- [86] 2018-02-12 (PCT/EP2018/053417)
- [87] (WO2018/149782)
- [30] IT (102017000016799) 2017-02-15

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- [25] EN
- [54] IMPROVED CABLE TUBE FOR FURNITURE
- [54] GAINE DE CABLE AMELIOREE POUR MEUBLE
- [72] CATTANEO, CARLO, IT
- [71] LEONARDO S.R.L., IT
- [85] 2019-06-26
- [86] 2018-02-14 (PCT/EP2018/053645)
- [87] (WO2018/149860)
- [30] IT (202017000018680) 2017-02-20

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- [51] Int.Cl. G06Q 40/02 (2012.01) G06Q 40/00 (2012.01)
- [25] EN
- [54] SYSTEM, METHOD, OPERATOR SERVER, AND PROGRAM FOR FINANCIAL DEMAND RESPONSE PROVISION SERVICES
- [54] SYSTEME DE FOURNITURE DE SERVICE DE GESTION DE BESOIN DE FONDS, PROCEDE POUR CE DERNIER, SERVEUR D'OPERATEUR ET PROGRAMME
- [72] MATSUDA, YUTARO, JP
- [71] FTS KABUSHIKI KAISHA, JP
- [85] 2019-06-26
- [86] 2017-09-27 (PCT/JP2017/035041)
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F04B 47/04 (2006.01) F04B 49/08  
(2006.01)
  - [25] EN
  - [54] A PLANT FOR CONTROLLING DELIVERY OF PRESSURIZED FLUID IN A CONDUIT, AND A METHOD OF CONTROLLING A PRIME MOVER
  - [54] INSTALLATION PERMETTANT DE COMMANDER LA DISTRIBUTION D'UN FLUIDE SOUS PRESSION DANS UN CONDUIT ET PROCEDE DE COMMANDE D'UN MOTEUR PRINCIPAL
  - [72] STOKKEVAG, TERJE, NO
  - [72] HUSOY, ODDGEIR, NO
  - [71] IMPACT SOLUTIONS AS, NO
  - [85] 2019-05-29
  - [86] 2017-11-28 (PCT/NO2017/050307)
  - [87] (WO2018/101837)
  - [30] NO (20161911) 2016-11-30
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- [25] EN
- [54] LAMINATED BATTERY
- [54] BATTERIE STRATIFIEE
- [72] SANO, MASAMI, JP
- [72] UEKI, ISAO, JP
- [72] IGARASHI, MASAYUKI, JP
- [71] KABUSHIKI KAISHA NIHON MICRONICS, JP
- [85] 2019-06-26
- [86] 2017-11-21 (PCT/JP2017/041755)
- [87] (WO2018/123353)
- [30] JP (2016-252630) 2016-12-27

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C07B 63/00 (2006.01)
  - [25] EN
  - [54] POLYMORPHS AND SOLID FORMS OF (S)-2-((2-((S)-4-(DIFLUOROMETHYL)-2-OXOOXAZOLIDIN-3-YL)-5,6-DIHYDROBENZO[F]IMIDAZO[1,2-D][1,4]OXAZEPIN-9-YL)AMINO)PROPANAMIDE, AND METHODS OF PRODUCTION
  - [54] POLYMORPHES, FORMES SOLIDES DE (S)-2-((2-((S)-4-(DIFLUOROMETHYL)-2-OXOOXAZOLIDIN-3-YL)-5,6-DIHYDROBENZO[F]IMIDAZO[1,2-D][1,4]OXAZEPIN-9-YL)AMINO)PROPANAMIDE, ET PROCEDES DE PRODUCTION
  - [72] CHAKRAVARTY, PAROMA, US
  - [72] HAN, CHONG, US
  - [72] KELLY, SEAN M., US
  - [72] NAGAPUDI, KARTHIK, US
  - [72] SAVAGE, SCOTT, US
  - [71] F. HOFFMANN-LA ROCHE AG, CH
  - [85] 2019-06-26
  - [86] 2018-04-26 (PCT/EP2018/060820)
  - [87] (WO2018/197653)
  - [30] US (62/491,812) 2017-04-28
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- [25] EN
- [54] BODY MEASURING DEVICE AND BODY MEASURING SYSTEM
- [54] DISPOSITIF DE MESURE DE POIDS CORPOREL ET SYSTEME DE MESURE DE POIDS CORPOREL
- [72] MAEZAWA, YUSAKU, JP
- [71] ZOZO, INC., JP
- [85] 2019-06-26
- [86] 2017-12-08 (PCT/JP2017/044171)
- [87] (WO2018/128050)
- [30] JP (2017-000749) 2017-01-05

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  - [25] EN
  - [54] LIQUID ATOMIZING NOZZLE INSERT WITH COLLIDING JETS
  - [54] GARNITURE DE BUSE D'ATOMISATION DE LIQUIDE A JETS EN COLLISION
  - [72] MULYE, NIRMAL, US
  - [72] LOSCRUDATO, FRANK S., US
  - [72] BARROS NETO, OSANAN L., US
  - [71] NOSTRUM ENERGY PTE. LTD., SG
  - [71] MULYE, NIRMAL, US
  - [71] LOSCRUDATO, FRANK S., US
  - [71] BARROS NETO, OSANAN L., US
  - [85] 2019-06-21
  - [86] 2016-12-22 (PCT/US2016/068200)
  - [87] (WO2017/112842)
  - [30] US (62/270,882) 2015-12-22
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- [25] EN
- [54] METHOD FOR PRODUCING GENOME EDITED PLANT
- [54] METHODE DE PRODUCTION D'UNE PLANTE GENETIQUEMENT MODIFIEE
- [72] MITSUHARA, ICHIRO, JP
- [72] YANAGAWA, YUKI, JP
- [72] YAMADA, KASUMI, JP
- [72] TOKI, SEIICHI, JP
- [72] YOKOI, AYAKO, JP
- [71] NATIONAL AGRICULTURE AND FOOD RESEARCH ORGANIZATION, JP
- [85] 2019-06-26
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- [87] (WO2018/123938)
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- [25] EN
- [54] **ANTIBODY WHICH BINDS TO MYELIN OLIGODENDROCYTE GLYCOPROTEIN**
- [54] ANTICORPS CAPABLE DE SE LIER A LA GLYCOPROTEINE D'OLIGODENDROCYTES DE MYELINE
- [72] TAKAHASHI, NOBUAKI, JP
- [72] NAKANO, RYOSUKE, JP
- [72] MAEDA, SAYAKA, JP
- [72] ITO, YUJI, JP
- [71] KYOWA HAKKO KIRIN CO., LTD., JP
- [71] KAGOSHIMA UNIVERSITY, JP
- [85] 2019-06-26
- [86] 2017-12-25 (PCT/JP2017/046445)
- [87] (WO2018/123979)
- [30] JP (2016-251106) 2016-12-26

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- [25] EN
- [54] **ANTITUMOR AGENT AND BROMODOMAIN INHIBITOR**
- [54] AGENT ANTITUMORAL ET INHIBITEUR DE BROMODOMAINE
- [72] MAKITA, KEIKO, JP
- [72] SAEKI, KAZUNORI, JP
- [72] TANAKA, TADASHI, JP
- [72] FUJINO, MASATAKA, JP
- [72] NATSUME, TOHRU, JP
- [72] FURUYA, KENTARO, JP
- [71] FUJIFILM CORPORATION, JP
- [71] FUJIFILM TOYAMA CHEMICAL CO., LTD., JP
- [71] NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY, JP
- [85] 2019-06-26
- [86] 2017-12-27 (PCT/JP2017/046901)
- [87] (WO2018/124180)
- [30] JP (2016-253157) 2016-12-27
- [30] JP (2017-117482) 2017-06-15
- [30] JP (2017-206012) 2017-10-25

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- [51] Int.Cl. H01M 2/10 (2006.01) H01M 10/617 (2014.01) H01M 10/625 (2014.01) H01M 10/627 (2014.01) H01M 10/647 (2014.01) H01M 10/651 (2014.01) H01M 10/658 (2014.01) H01M 2/02 (2006.01)
- [25] EN
- [54] **PARTITION MEMBER, ASSEMBLED BATTERY AND METHOD FOR CONTROLLING HEAT TRANSFER IN AN ASSEMBLED BATTERY**
- [54] ELEMENT DE SEPARATION, BATTERIE ASSEMBLEE ET PROCEDE DE COMMANDE DE TRANSMISSION DE CHALEUR POUR BATTERIE ASSEMBLEE
- [72] WATANABE, YOKO, JP
- [72] KAWAI, TOMOHIRO, JP
- [72] SOGA, IWAO, JP
- [71] MITSUBISHI CHEMICAL CORPORATION, JP
- [85] 2019-06-26
- [86] 2017-12-27 (PCT/JP2017/047090)
- [87] (WO2018/124231)
- [30] JP (2016-254342) 2016-12-27

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- [25] EN
- [54] **MODULATORS OF THE ADENOSINE A3 RECEPTORS**
- [54] MODULATEURS DES RECEPTEURS A3 DE L'ADENOSINE
- [72] CASTRO PALOMINO LARIA, JULIO, ES
- [72] CAMACHO GOMEZ, JUAN, ES
- [72] EL MAATOUGUI, ABDELAZIZ, ES
- [71] PALOBIOFARMA, S.L., ES
- [85] 2019-06-26
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- [54] APPAREIL ET PROCEDE POUR L'HYDROLYSE DE MATIERES LIGNOCELLULOSIQUES
- [72] WALLIN, GORAN, SE
- [71] VALMET AB, SE
- [85] 2019-06-26
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- [54] PROCEDE DE REDUCTION DE LA CORROSIVITE D'UNE COMPOSITION BIOCIDE CONTENANT DE L'HYPOCHLORITE DE SODIUM GENERE IN SITU
- [72] CORCORAN, MICHAEL LUKE, US
- [71] BUCKMAN LABORATORIES, US
- [85] 2019-06-26
- [86] 2017-12-06 (PCT/US2017/064837)
- [87] (WO2018/125531)
- [30] US (62/439,229) 2016-12-27

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- [54] CANULE VEINEUSE FEMORALE A PLUSIEURS ETAGES/BI-CAVALE CONVERTIBLE
- [72] BILLER, WILLIAM T., US
- [71] EDWARDS LIFESCIENCES CORPORATION, US
- [85] 2019-06-26
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- [54] ARMOIRE DE STOCKAGE ELECTRONIQUE
- [72] MCBRIDE, JAMES, US
- [72] RODRIGUES DE MIRANDA, HANS, US
- [72] PEDERSEN, JASON, US
- [72] MOSIER, TERRY, US
- [72] PAVLOVIC, BRYAN EDWARD, US
- [72] EDBERG, JOSHUA JACQUE, US
- [71] KNOX ASSOCIATES, INC. DBA KNOX COMPANY, US
- [85] 2019-06-26
- [86] 2017-12-22 (PCT/US2017/068155)
- [87] (WO2018/128854)
- [30] US (62/442,261) 2017-01-04

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- [25] EN
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- [54] GESTION THERMIQUE DE REACTEURS NUCLEAIRES A COMBUSTIBLE FONDU
- [72] CISNEROS, ANSELMO T., US
- [72] FLOWERS, DANIEL, US
- [72] FREEMAN, CHARLES GREGORY, US
- [72] HAVSTAD, MARK A., US
- [72] KRAMER, KEVIN, US
- [72] LATKOWSKI, JEFFERY F., US
- [72] MCWHIRTER, JON D., US
- [72] SUYES, JOHN R., US
- [72] ABBOTT, RYAN, US
- [71] TERRAPOWER, LLC, US
- [85] 2019-06-26
- [86] 2017-11-15 (PCT/US2017/061843)
- [87] (WO2018/140117)
- [30] US (62/422,474) 2016-11-15

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- [25] EN
- [54] REGULATION OF GENE EXPRESSION THROUGH APTAMER-MODULATED POLYADENYLATION
- [54] REGULATION D'EXPRESSION GENIQUE PAR POLYADENYLATION MODULEE PAR APTAMERE
- [72] VOLLES, MICHAEL J., US
- [72] DANOS, OLIVIER F., US
- [72] GUO, XUECUI, US
- [71] MEIRAGTX UK II LIMITED, GB
- [85] 2019-06-26
- [86] 2017-02-02 (PCT/US2017/016279)
- [87] (WO2017/136591)
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[54] AMELIORATIONS APORTEES A UN APPAREIL DE TEST DE TEMPERATURE  
[72] SMITH, SEAN RONALD, GB  
[71] SMITH, SEAN RONALD, GB  
[85] 2019-06-26  
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[25] EN  
[54] INTERCHANGEABLE MODULAR SHELF SYSTEM  
[54] SYSTEME D'ETAGERES MODULAIRES INTERCHANGEABLES  
[72] BELLAR, JASON, US  
[72] PROPEZ, MARK, US  
[71] WALMART APOLLO, LLC, US  
[85] 2019-06-26  
[86] 2017-12-08 (PCT/US2017/065414)  
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[30] US (62/440,632) 2016-12-30

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[25] EN  
[54] REGULATION OF GENE EXPRESSION VIA APTAMER-MEDIATED CONTROL OF SELF-CLEAVING RIBOZYME  
[54] REGULATION DE L'EXPRESSION GENIQUE PAR UNE REGULATION A MEDIATION PAR DES APTAMERES DE RIBOZYMES A AUTO-CLIVAGE  
[72] VOLLES, MICHAEL J., US  
[72] DANOS, OLIVIER F., US  
[72] BOYNE, ALEX K., US  
[72] ZENNOUN, VERONIQUE, US  
[72] GUO, XUECUI, US  
[71] MEIRAGTX UK II LIMITED, GB  
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[13] A1

[51] Int.Cl. A24F 47/00 (2006.01)  
[25] EN  
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[54] MECHE THERMIQUE POUR VAPORISATEURS ELECTRONIQUES  
[72] LEON DUQUE, ESTEBAN, US  
[72] ATKINS, ARIEL, US  
[72] MONSEES, JAMES, US  
[72] GOULD, ALEXANDER J., US  
[72] BROWN, NICHOLAS, US  
[71] JUUL LABS, INC., US  
[85] 2019-06-26  
[86] 2017-12-27 (PCT/US2017/068577)  
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[30] US (62/439,417) 2016-12-27

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[13] A1

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[25] EN  
[54] ETHYLENE OLIGOMERIZATION PROCESSES  
[54] PROCEDES D'OLIGOMERISATION DE L'ETHYLENE  
[72] BISCHOF, STEVEN M., US  
[72] SMALL, BROOKE L., US  
[72] SNELL, RYAN W., US  
[72] KNUDSEN, RON D., US  
[72] NETEMEYER, ERIC J., US  
[72] SYDORA, ORSON L., US  
[72] SUTHERLAND, JAMIE N., US  
[72] KREISCHER, BRUCE E., US  
[72] FISHER, WILLIAM J., US  
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US  
[85] 2019-06-26  
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[30] US (15/394,317) 2016-12-29

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[51] Int.Cl. A47J 31/00 (2006.01) A47J 31/30 (2006.01) A47J 31/36 (2006.01) A47J 31/40 (2006.01) A47J 31/58 (2006.01)  
[25] EN  
[54] CONTROLLED SYSTEM FOR BREWING INFUSED BEVERAGES  
[54] SYSTEME COMMANDÉ D'INFUSION DE BOISSONS INFUSEES  
[72] DUVALL, GIDEON, US  
[71] DUVALL, GIDEON, US  
[85] 2019-06-26  
[86] 2017-04-25 (PCT/US2017/029488)  
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[30] US (62/285,020) 2016-04-25  
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[25] EN  
[54] DELEGATE ITEM DELIVERY  
[54] LIVRAISON D'ARTICLES  
DELEGUES  
[72] JONES, MATTHEW A., US  
[72] MATTINGLY, TODD D., US  
[71] WALMART APOLLO, LLC, US  
[85] 2019-06-26  
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[25] EN  
[54] HYPER-SPECTRAL IMAGING  
WHEN OBSERVED OBJECT IS  
STILL  
[54] IMAGERIE HYPERSPECTRALE  
LORSQU'UN OBJET OBSERVE  
EST IMMOBILE  
[72] KARGIEMAN, EMILIANO, AR  
[72] RICHARTE, GERARDO GABRIEL,  
AR  
[72] POSE, AGUSTINA, AR  
[72] VULETICH, JUAN MANUEL, AR  
[72] JAIS, PABLO, AR  
[72] VILASECA, DAVID, AR  
[71] URUGUS S.A., UY  
[85] 2019-06-26  
[86] 2017-12-27 (PCT/US2017/068601)  
[87] (WO2018/125941)  
[30] US (62/439,396) 2016-12-27

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[13] A1

[51] Int.Cl. C12N 15/113 (2010.01) C12N 9/22 (2006.01) C12N 15/864 (2006.01)  
[25] EN  
[54] OPTIMIZED STRATEGY FOR  
EXON SKIPPING  
MODIFICATIONS USING  
CRISPR/CAS9 WITH TRIPLE  
GUIDE SEQUENCES  
[54] STRATEGIE OPTIMISEE POUR  
DES MODIFICATIONS PAR SAUT  
D'EXON A L'AIDE DE  
CRISPR/CAS9 AVEC DES  
SEQUENCES DE GUIDAGE  
TRIPLE  
[72] AMOASII, LEONELA, US  
[72] OLSON, ERIC, US  
[71] THE BOARD OF REGENTS OF THE  
UNIVERSITY OF TEXAS SYSTEM, US  
[85] 2019-06-26  
[86] 2018-01-05 (PCT/US2018/012558)  
[87] (WO2018/129296)  
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[51] Int.Cl. H04L 29/06 (2006.01) H04L 29/08 (2006.01)  
[25] EN  
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OF A USER TO A THIRD-PARTY  
SYSTEM  
[54] CONFIRMATION DE  
L'AUTHENTICITE D'UN  
UTILISATEUR AUPRES D'UN  
SYSTEME TIERS  
[72] CANO, HELCIO, US  
[72] HUFFMAN, RICH, US  
[72] BIJLANI, RAVINDRA, US  
[72] MICHAELSON, RICHARD, US  
[72] ROMAN, MARTY, US  
[72] HARRIS, ROB, US  
[72] PIGG, ESTHER, US  
[72] VAN ZYL, VIVIAN, US  
[71] EQUIFAX, INC., US  
[71] FIDELITY INFORMATION  
SERVICES, LLC, US  
[85] 2019-06-26  
[86] 2018-01-05 (PCT/US2018/012658)  
[87] (WO2018/129373)  
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[51] Int.Cl. A61C 17/06 (2006.01) A46B 9/04 (2006.01) A46B 11/00 (2006.01)  
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[25] EN  
[54] ELECTRIC TOOTHBRUSH WITH  
CONTROLLED SUCTION AND  
IRRIGATION  
[54] BROSSE A DENTS ELECTRIQUE  
A ASPIRATION ET IRRIGATION  
CONTROLEES  
[72] PRENDERGAST, VIRGINIA, US  
[72] KLEIMAN, CYNTHIA, US  
[72] THATCHER, RONALD, CA  
[72] DICKIE, ROBERT G., CA  
[71] DIGNITY HEALTH, US  
[85] 2019-06-26  
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[87] (WO2018/129433)  
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C11D 7/40 (2006.01) C12M 1/00 (2006.01) C12M 1/12 (2006.01)  
[25] EN  
[54] NOVEL FERMENTATION  
SYSTEMS AND METHODS  
[54] NOUVEAUX SYSTEMES ET  
PROCEDES DE FERMENTATION  
[72] ALIBEK, KEN, US  
[72] FARMER, SEAN, US  
[72] ADAMS, KENT, US  
[71] LOCUS IP COMPANY, LLC, US  
[85] 2019-06-26  
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[30] US (62/443,356) 2017-01-06

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[25] EN  
[54] INTERCHANGEABLE ANNULAR DEVICES FOR PLUMBING FIXTURE ASSEMBLIES  
[54] DISPOSITIFS ANNULAIRES INTERCHANGEABLES POUR ENSEMBLES ACCESSOIRE DE PLOMBERIE  
[72] L'HENAFF, JEAN-JACQUES, US  
[72] RAVASSA, GABRIELA, US  
[72] WAGNER, CALUM, US  
[72] YE, XIAOJING, US  
[71] AS AMERICA, INC., US  
[85] 2019-06-26  
[86] 2018-01-08 (PCT/US2018/012835)  
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[30] US (62/444,100) 2017-01-09

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[25] EN  
[54] EXPANDABLE DEVICE FOR CAPTURING REGURGITANT JET, VOLUME, AND FORCE TO EFFECT VENTRICULAR FUNCTION AND REMODELING  
[54] DISPOSITIF EXPANSIBLE POUR CAPTURER UN JET DE REGURGITATION, UN VOLUME ET UNE FORCE POUR EFFECTUER UNE FONCTION VENTRICULAIRE ET UN REMODELAGE  
[72] WILSON, JOHN, US  
[72] SEGUIN, CHRISTOPHER, US  
[72] CESAROVIC, NIKOLA, CH  
[71] HARMONY DEVELOPMENT GROUP, INC., US  
[85] 2019-06-26  
[86] 2018-01-05 (PCT/US2018/012586)  
[87] (WO2018/129320)  
[30] US (62/442,861) 2017-01-05

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[25] EN  
[54] DOSING REGIMENS AND DOSAGE FORMS FOR TARGETED TGF-B INHIBITION  
[54] SCHEMAS POSOLOGIQUES ET FORMES POSOLOGIQUES POUR L'INHIBITION CIBLEE DE TGF-B  
[72] DUSSAULT, ISABELLE, US  
[72] EL BAWAB, SAMER, DE  
[72] VUGMEYSTER, YULIA, US  
[72] KHANDELWAL, AKASH, DE  
[71] MERCK PATENT GMBH, DE  
[85] 2019-06-26  
[86] 2018-01-05 (PCT/US2018/012604)  
[87] (WO2018/129331)  
[30] US (62/443,698) 2017-01-07  
[30] US (62/581,978) 2017-11-06

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[25] EN  
[54] T CELLS EXPRESSING A CHIMERIC ANTIGEN RECEPTOR  
[54] LYMPHOCYTES T EXPRIMANT UN RECEPTEUR ANTIGENIQUE CHIMERIQUE  
[72] MAUS, MARCELA V., US  
[72] CHOI, BRYAN, US  
[71] THE GENERAL HOSPITAL CORPORATION, US  
[85] 2019-06-26  
[86] 2018-01-10 (PCT/US2018/013221)  
[87] (WO2018/132513)  
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[51] Int.Cl. G01J 5/00 (2006.01) G01J 5/02 (2006.01) G01J 5/08 (2006.01) G01J 5/10 (2006.01) G01V 8/10 (2006.01)  
[25] EN  
[54] CHOPPED PASSIVE INFRARED SENSOR APPARATUS AND METHOD FOR STATIONARY AND MOVING OCCUPANT DETECTION  
[54] APPAREIL DE CAPTEUR INFRAROUGE PASSIF HACHE ET PROCEDE DE DETECTION D'OCCUPANT FIXE ET MOBILE  
[72] WANG, YA, US  
[72] LIU, HAILI, US  
[72] WANG, KEVIN, US  
[71] THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, US  
[85] 2019-06-26  
[86] 2018-01-11 (PCT/US2018/013281)  
[87] (WO2018/132546)  
[30] US (62/446,047) 2017-01-13

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[25] EN  
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[54] SYSTEME DE RETENTION DE JOURNAL D'OPERATEUR  
[72] DOMNICK, LAUREN, US  
[71] OMNITRACS, LLC, US  
[85] 2019-06-26  
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  - [25] EN
  - [54] INFORMATION SENDING METHOD, INFORMATION RECEIVING METHOD, APPARATUS AND SYSTEM
  - [54] PROCEDE D'ENVOI D'INFORMATIONS, APPAREIL, SYSTEME ET PROCEDE DE RECEPTION D'INFORMATIONS
  - [72] YANG, NING, CN
  - [72] XU, HUA, CA
  - [71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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- [25] EN
- [54] PHYSICAL PROPERTY IMPROVEMENT OF POLYURETHANES
- [54] AMELIORATION DES PROPRIETES PHYSIQUES DE POLYURETHANES
- [72] MAY, MICHEAL COLIN, US
- [72] PRAW, MICHAEL, US
- [71] BASF SE, DE
- [85] 2019-06-26
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  - [25] EN
  - [54] SYSTEMS AND METHODS FOR MUSCULOSKELETAL TISSUE TREATMENT
  - [54] SYSTEMES ET PROCEDES DE TRAITEMENT DE TISSU MUSCULO-SQUELETTIQUE
  - [72] RYABY, JAMES T., US
  - [72] WALDORFF, ERIK, US
  - [72] MIDURA, RONALD, US
  - [72] ZBOROWSKI, MACIEJ, US
  - [71] ORTHOFIX INC., US
  - [85] 2019-06-26
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- [25] EN
- [54] BOOTLOADER LEVEL ENCRYPTION FOR SYSTEM BOOT DATA
- [54] CHIFFREMENT DE NIVEAU DE PROGRAMME D'AMORCAGE POUR DONNEES D'AMORCAGE DE SYSTEME
- [72] RANGAYYAN, VISHNU, US
- [71] THALES ESECURITY, INC., US
- [85] 2019-06-26
- [86] 2018-01-12 (PCT/US2018/013670)
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- [30] US (15/406,479) 2017-01-13

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  - [25] EN
  - [54] COMPOSITIONS AND METHODS FOR INHIBITION OF FACTOR XII GENE EXPRESSION
  - [54] COMPOSITIONS ET METHODES D'INHIBITION DE L'EXPRESSION GENIQUE DU FACTEUR XII
  - [72] PEI, TAO, US
  - [72] KANNER, STEVEN B., US
  - [72] ZHU, RUI, US
  - [72] MELQUIST, STACEY, US
  - [72] ALMEADA, LAUREN J., US
  - [72] LI, ZHEN, US
  - [71] ARROWHEAD PHARMACEUTICALS INC., US
  - [85] 2019-06-26
  - [86] 2018-01-30 (PCT/US2018/015866)
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- [25] EN
- [54] BANDWIDTH SELECTION FOR ENHANCED MACHINE-TYPE COMMUNICATIONS
- [54] SELECTION DE BANDE PASSANTE POUR COMMUNICATIONS DE TYPE MACHINE AMELIOREES
- [72] BHATTAD, KAPIL, US
- [72] SOMICHETTY, GOWRISANKAR, US
- [72] RICO ALVARINO, ALBERTO, US
- [72] XU, HAO, US
- [71] QUALCOMM INCORPORATED, US
- [85] 2019-06-26
- [86] 2018-02-01 (PCT/US2018/016502)
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[54] SIGNAL TRANSMISSION  
METHOD, TERMINAL DEVICE,  
AND NETWORK DEVICE  
[54] PROCEDE DE TRANSMISSION DE  
SIGNAL, DISPOSITIF TERMINAL,  
ET DISPOSITIF DE RESEAU  
[72] LIN, YANAN, CN  
[72] XU, HUA, CA  
[71] GUANGDONG OPPO MOBILE  
TELECOMMUNICATIONS CORP.,  
LTD., CN  
[85] 2019-06-27  
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[13] A1

[51] Int.Cl. H04W 52/02 (2009.01)  
[25] EN  
[54] DATA TRANSMISSION METHOD  
AND DEVICE  
[54] PROCEDE ET DISPOSITIF DE  
TRANSMISSION DE DONNEES  
[72] LIU, JIANHUA, CN  
[72] YANG, NING, CN  
[71] GUANGDONG OPPO MOBILE  
TELECOMMUNICATIONS CORP.,  
LTD., CN  
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[13] A1

[51] Int.Cl. B27B 5/29 (2006.01) B27G  
19/02 (2006.01)  
[25] EN  
[54] SHIELDING DEVICE FOR A SAW,  
IN PARTICULAR A CIRCULAR  
TABLE SAW, AND SAW  
EQUIPPED WITH SUCH A  
SHIELDING DEVICE, IN  
PARTICULAR CIRCULAR TABLE  
SAW  
[54] DISPOSITIF DE PROTECTION  
POUR UNE SCIE, NOTAMMENT  
UNE SCIE CIRCULAIRE A TABLE,  
ET SCIE, NOTAMMENT SCIE  
CIRCULAIRE A TABLE, EQUIPEE  
D'UN TEL DISPOSITIF DE  
PROTECTION  
[72] BINDHAMMER, MARKUS, DE  
[71] SCHEPPACH FABRIKATION VON  
HOLZBEARBEITUNGSMASCHINEN  
GMBH, DE  
[85] 2019-06-27  
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(2006.01) A63B 67/14 (2006.01)  
[25] EN  
[54] SHUFFLEBOARD SCORING  
SYSTEM  
[54] SYSTEME DE COMPTAGE DE  
POINTS AU JEU DE PALETS  
[72] DALE, JASON, GB  
[72] MOORE, STEPHEN, GB  
[71] FLIGHT PATH IP LIMITED, GB  
[85] 2019-06-26  
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[30] GB (1700151.2) 2017-01-05

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A61P 33/02 (2006.01)  
[25] EN  
[54] METHOD FOR PREVENTION,  
TREATMENT AND ALLEVIATION  
OF INFECTIOUS DISEASES AND  
DISORDERS  
[54] DESTINE A LA PREVENTION, AU  
TRAITEMENT ET AU  
SOULAGEMENT DE MALADIES  
ET TROUBLES INFECTIEUX  
[72] HIRVONEN, PETTERI, FI  
[72] ERIKSSON, PETER, FI  
[72] KAKSONEN, RISTO, FI  
[71] REPLICON HEALTH OY, FI  
[85] 2019-06-27  
[86] 2017-01-04 (PCT/EP2017/050153)  
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[25] EN  
[54] CONTACT TRAY HAVING  
PICKETED LIQUID FLOW  
BARRIERS AND METHOD  
INVOLVING SAME  
[54] PLATEAU DE CONTACT AYANT  
DES BARRIERES  
D'ECOULEMENT DE LIQUIDE A  
PICKETS ET PROCEDE  
METTANT EN OEUVRE CELUI-CI  
[72] NIEUWOUDT, IZAK, US  
[72] GRIESEL, CHARLES, US  
[71] KOCH-GLITSCH, LP, US  
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A61K 45/06 (2006.01)

[25] EN

[54] INHALABLE NICOTINE  
FORMULATIONS, AND  
METHODS OF MAKING AND  
USING THEREOF  
[54] FORMULATIONS DE NICOTINE A  
INHALER ET PROCEDES DE  
PRODUCTION ET  
D'UTILISATION DE CELLES-CI

[72] STENZLER, ALEX, US

[72] ZAMEL, NOE, CA

[72] SLUTSKY, ARTHUR, CA

[72] ELLIS, STEVEN, CA

[72] HAN, STEVE, US

[71] PHILIP MORRIS PRODUCTS S.A.,  
CH

[85] 2019-06-26

[86] 2018-03-07 (PCT/IB2018/051482)

[87] (WO2018/163085)

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[13] A1

[51] Int.Cl. H01M 12/06 (2006.01) H01M  
2/36 (2006.01) H01M 2/40 (2006.01)  
H01M 6/50 (2006.01)

[25] EN

[54] SYSTEM AND METHOD FOR  
METAL-AIR ANODE  
RENOVATION

[54] SYSTEME ET PROCEDE DE  
RENOVATION D'ANODE METAL-  
AIR

[72] TZIDON, AVIV, IL

[72] PERETZ, VITAL, IL

[72] YADGAR, AVRAHAM, IL

[72] TZIDON, DEKEL, IL

[71] PHINERGY LTD., IL

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[25] EN	[25] EN	[25] EN
[54] COMPOSITIONS COMPRISING FLUOROOLEFINS AND USES THEREOF	[54] AUDIO UPMIXER OPERABLE IN PREDICTION OR NON- PREDICTION MODE	[54] PROCESS FOR THE PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN TRANSGENIC PLANTS
[54] COMPOSITIONS COMPRENANT DES OLEFINES FLUOREES ET LEURS UTILISATIONS	[54] MELANGEUR ELEVATEUR AUDIO FONCTIONNEL EN MODE DE PREDICTION OU DE NON- PREDICTION	[54] PROCEDE DE PRODUCTION D'ACIDES GRAS POLYINSATURATES DANS LES PLANTS TRANSGENIQUES
[72] LECK, THOMAS J., US	[72] CARLSSON, PONTUS, SE	[72] CIRPUS, PETRA, DE
[72] MINOR, BARBARA HAVILAND, US	[72] PURNHAGEN, HEIKO, SE	[72] BAUER, JORG, DE
[72] MOULI, NANDINI, US	[72] VILLEMOES, LARS, SE	[72] QIU, XIAO, CA
[72] NAPPA, MARIO JOSEPH, US	[71] DOLBY INTERNATIONAL AB, NL	[72] WU, GUOHAI, CA
[72] PERTI, DEEPAK, US	[22] 2011-04-06	[72] DATLA, NAGAMANI, CA
[72] RAO, VELLIYUR NOTT MALLIKARJUNA, US	[41] 2011-10-13	[71] BASF PLANT SCIENCE GMBH, DE
[72] SIEVERT, ALLEN CAPRON, US	[62] 2,988,745	[22] 2005-02-23
[72] SWEARINGEN, EKATERINA N., US	[30] US (61/322458) 2010-04-09	[41] 2005-09-09
[72] SCHMITZ, CORNEILLE, BE		[62] 2,559,360
[71] THE CHEMOURS COMPANY FC, LLC, US		[30] DE (102004009457.8) 2004-02-27
[22] 2006-10-31		[30] DE (102004012370.5) 2004-03-13
[41] 2007-05-10		[30] DE (102004017518.7) 2004-04-08
[62] 2,922,197		[30] DE (102004024014.8) 2004-05-14
[30] US (60/732,581) 2005-11-01		[30] EP (PCT/EP2004/07957) 2004-07-16
[30] US (11/486,791) 2006-07-13		[30] DE (102004062543.3) 2004-12-24
[30] US (UNKNOWN) 2006-10-30		
[21] 3,045,584	[21] 3,045,584	
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[25] EN		
[54] PROFILING APPARATUS FOR STYLING FACIAL HAIR		
[54] APPAREIL DE PROFILAGE DE MISE EN STYLE DE POILS FACIAUX		
[72] YUSUF, SHAFFEEK ALLEEM, CA		
[71] ALEEM & COMPANY INC., CA		
[22] 2015-02-27		
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[62] 2,883,446		

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**Demandes canadiennes apparentées par division et  
demandes mises à la disponibilité du public non disponibles auparavant**

<p style="text-align: right;">[21] <b>3,047,264</b> [13] A1</p> <p>[51] Int.Cl. B21F 15/06 (2006.01) B21F 7/00 (2006.01) E04G 21/12 (2006.01) [25] EN [54] <b>BINDING MACHINE</b> [54] <b>LIEUSE</b> [72] ITAGAKI, OSAMU, JP [72] KASAHARA, AKIRA, JP [72] NAGAOKA, TAKAHIRO, JP [71] MAX CO., LTD., JP [22] 2016-07-21 [41] 2017-01-26 [62] 2,990,150 [30] JP (2015-145283) 2015-07-22 [30] JP (2016-136067) 2016-07-08</p>	<p style="text-align: right;">[21] <b>3,047,470</b> [13] A1</p> <p>[51] Int.Cl. B65D 30/10 (2006.01) B65B 3/04 (2006.01) B65D 33/00 (2006.01) B65D 33/36 (2006.01) [25] EN [54] <b>FLEXIBLE CONTAINER BAGS</b> [54] <b>SACS DE CONTENANT FLEXIBLES</b> [72] ETIZ, ERHAN, CA [72] SAYIN, SUKRU CENK, CA [71] ELEMENT INTERNATIONAL TRADE INC., CA [22] 2017-06-29 [41] 2018-11-05 [62] 2,972,062 [30] US (62/501,889) 2017-05-05</p>	<p style="text-align: right;">[21] <b>3,047,633</b> [13] A1</p> <p>[51] Int.Cl. B01D 53/62 (2006.01) B01D 53/02 (2006.01) [25] EN [54] <b>EXTRACTION AND SEQUESTRATION OF CARBON DIOXIDE</b> [54] <b>EXTRACTION ET SEQUESTRATION DE DIOXYDE DE CARBONE</b> [72] WRIGHT, ALLEN B., US [72] LACKNER, KLAUS S., US [71] CARBON SINK INC., US [22] 2009-02-19 [41] 2009-08-27 [62] 2,715,874 [30] US (61/029,831) 2008-02-19 [30] US (61/074,972) 2008-06-23 [30] US (61/079,776) 2008-07-10</p>
<p style="text-align: right;">[21] <b>3,047,443</b> [13] A1</p> <p>[51] Int.Cl. B32B 27/08 (2006.01) A63B 6/00 (2006.01) B32B 3/12 (2006.01) B32B 3/24 (2006.01) B32B 25/08 (2006.01) B32B 27/40 (2006.01) B32B 37/24 (2006.01) [25] EN [54] <b>EXERCISE MAT</b> [54] <b>TAPIS D'EXERCICE</b> [72] DANDAPURE, YOGENDRA V., CA [72] DOUGLAS, KATHERINE, CA [72] BOGHOSIAN, GLENN MALCOLM, US [72] KAO, CHEN I., CH [71] LULULEMON ATHLETICA CANADA INC., CA [22] 2012-03-23 [41] 2012-09-24 [62] 2,772,362 [30] US (61/467,233) 2011-03-24</p>	<p style="text-align: right;">[21] <b>3,047,565</b> [13] A1</p> <p>[51] Int.Cl. A01K 47/06 (2006.01) A01G 7/06 (2006.01) A01K 51/00 (2006.01) [25] EN [54] <b>APPARATUS FOR TREATMENT OF PLANTS</b> [54] <b>APPAREIL DE TRAITEMENT DES PLANTES</b> [72] COLLINSON, MICHAEL HOWARD D. HEARN, CA [72] MASON, TODD GORDON, CA [72] SUTTON, JOHN CLIFFORD, CA [72] KEVAN, PETER G., CA [71] BEE VECTORING TECHNOLOGY INC., CA [22] 2012-04-03 [41] 2012-10-11 [62] 2,934,312 [30] US (61/472,872) 2011-04-07 [30] US (61/609,549) 2012-03-12</p>	<p style="text-align: right;">[21] <b>3,047,761</b> [13] A1</p> <p>[51] Int.Cl. E01B 11/54 (2006.01) [25] EN [54] <b>LAP JOINT</b> [54] <b>JOINT A RECOUVREMENT</b> [72] URMSON, WILLIAM T., JR., US [72] MOSPAN, JOHN W., US [72] REMINGTON, JAMES A., US [71] KOPPERS DELAWARE, INC., US [22] 2007-09-14 [41] 2008-03-15 [62] 2,993,736 [30] US (60/844,774) 2006-09-15 [30] US (11/900,635) 2007-09-12</p>
<p style="text-align: right;">[21] <b>3,047,453</b> [13] A1</p> <p>[51] Int.Cl. G06Q 30/02 (2012.01) G06F 3/14 (2006.01) H04L 12/16 (2006.01) G09G 5/373 (2006.01) [25] EN [54] <b>DETERMINING IMPRESSIONS FOR MOBILE DEVICES</b> [54] <b>DETERMINATION D'IMPRESSIONS POUR DISPOSITIFS MOBILES</b> [72] GOEL, SAMIR, US [72] JAIN, GAURAV, US [71] GOOGLE LLC, US [22] 2010-08-03 [41] 2011-02-10 [62] 2,769,246 [30] US (12/535,168) 2009-08-04</p>		

# Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

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<p>[21] 3,047,774 [13] A1</p> <p>[51] Int.Cl. C01D 1/04 (2006.01) B01D 61/42 (2006.01) C01D 5/16 (2006.01) C22B 1/02 (2006.01) C22B 3/04 (2006.01) C22B 3/20 (2006.01) C22B 26/10 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS FOR TREATING LITHIUM-CONTAINING MATERIALS</p> <p>[54] PROCEDES POUR LE TRAITEMENT DE MATERIAUX CONTENANT DU LITHIUM</p> <p>[72] MAGNAN, JEAN-FRANCOIS, CA</p> <p>[72] BOURASSA, GUY, CA</p> <p>[72] LAROCHE, NICOLAS, CA</p> <p>[72] PEARSE, GARY, CA</p> <p>[72] MACKIE, STEPHEN CHARLES, CA</p> <p>[72] GLADKOVAS, MYKOLAS, CA</p> <p>[72] CLAYTON, GENEVIEVE, CA</p> <p>[72] BOUCHARD, PIERRE, CA</p> <p>[72] SYMONS, PETER, US</p> <p>[72] GENDERS, J. DAVID, US</p> <p>[71] NEMASKA LITHIUM INC., CA</p> <p>[22] 2015-02-24</p> <p>[41] 2015-08-27</p> <p>[62] 3,005,843</p> <p>[30] US (61/943,700) 2014-02-24</p>
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<p>[21] 3,047,796 [13] A1</p> <p>[51] Int.Cl. B27N 3/06 (2006.01) B27M 3/06 (2006.01) B27N 7/00 (2006.01) B32B 5/16 (2006.01) B32B 21/02 (2006.01) B32B 27/04 (2006.01) E04F 15/10 (2006.01)</p> <p>[25] EN</p> <p>[54] A METHOD OF PRODUCING A PANEL INCLUDING A WOOD VENEER LAYER, AND SUCH A PANEL</p> <p>[54] UNE METHODE DE PRODUCTION D'UN PANNEAU COMPRENNANT UNE COUCHE DE PLACAGE DE BOIS, ET UN TEL PANNEAU</p> <p>[72] PERVAN, DARKO, SE</p> <p>[72] LINDGREN, KENT, SE</p> <p>[72] JACOBSSON, JAN, SE</p> <p>[72] HAKANSSON, NICLAS, SE</p> <p>[72] ZIEGLER, GORAN, SE</p> <p>[72] BOUCKE, EDDY, BE</p> <p>[71] VALINGE INNOVATION AB, SE</p> <p>[22] 2008-11-13</p> <p>[41] 2009-05-28</p> <p>[62] 2,927,473</p> <p>[30] SE (0702555-4) 2007-11-19</p> <p>[30] US (60/996473) 2007-11-19</p> <p>[30] SE (0800776-7) 2008-04-07</p> <p>[30] US (61/042938) 2008-04-07</p>
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<p>[21] 3,047,928 [13] A1</p> <p>[51] Int.Cl. H04J 3/10 (2006.01) H04J 1/12 (2006.01) H04J 3/06 (2006.01) H04J 4/00 (2006.01) H04L 12/18 (2006.01)</p> <p>[25] EN</p> <p>[54] MANAGEMENT SYSTEM AND METHODS OF MANAGING TIME-DIVISION DUPLEX (TDD) TRANSMISSION OVER COPPER</p> <p>[54] SYSTEME DE GESTION ET PROCEDES DE GESTION DE LA TRANSMISSION PAR DUPLEXAGE PAR REPARTITION DANS LE TEMPS (TDD) SUR DU CUIVRE</p> <p>[72] KERPEZ, KENNETH, US</p> <p>[72] GINIS, GEORGE, US</p> <p>[72] GOLDBURG, MARC, US</p> <p>[72] TEHRANI, ARDAVAN MALEKI, US</p> <p>[71] ADAPTIVE SPECTRUM AND SIGNAL ALIGNMENT, INC., US</p> <p>[22] 2012-10-12</p> <p>[41] 2014-01-30</p> <p>[62] 2,880,267</p> <p>[30] US (61/676862) 2012-07-27</p>
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<p>[21] 3,048,045 [13] A1</p> <p>[51] Int.Cl. H05B 37/02 (2006.01) F21K 9/00 (2016.01) F21K 9/60 (2016.01) F21V 21/04 (2006.01) F21V 23/04 (2006.01) F21S 8/02 (2006.01)</p> <p>[25] EN</p> <p>[54] MANUALLY CONTROLLABLE LED CORRELATED COLOR TEMPERATURE LIGHT FIXTURE</p> <p>[54] APPAREIL D'ECLAIRAGE A COULEUR CORRELEE DE DEL CONTROLABLE MANUELLEMENT</p> <p>[72] VAN WINKLE, GARY, US</p> <p>[71] ETI SOLID STATE LIGHTING INC., US</p> <p>[22] 2018-03-15</p> <p>[41] 2018-07-31</p> <p>[62] 2,998,173</p>
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<p>[21] 3,047,776 [13] A1</p> <p>[51] Int.Cl. A61K 31/575 (2006.01) A61P 1/16 (2006.01) C07J 9/00 (2006.01)</p> <p>[25] EN</p> <p>[54] PREPARATION, USES AND SOLID FORMS OF OBETICHOLIC ACID</p> <p>[54] PREPARATION, UTILISATIONS ET FORMES SOLIDES D'ACIDE OBETICHOLIQUE</p> <p>[72] WAENERLUND POULSEN, HEIDI, DK</p> <p>[72] JOLIBOIS, EMILIE, GB</p> <p>[72] GROSS, RALF, DE</p> <p>[72] DUBAS-FISHER, FIONA, GB</p> <p>[72] EBERLIN, ALEX, GB</p> <p>[72] STEINER, ANDRE, DE</p> <p>[72] REWOLINSKI, MELISSA, US</p> <p>[72] SHARP, EMMA, DE</p> <p>[71] INTERCEPT PHARMACEUTICALS, INC., US</p> <p>[22] 2013-06-17</p> <p>[41] 2013-12-27</p> <p>[62] 2,877,122</p> <p>[30] US (61/661531) 2012-06-19</p>
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**Demandes canadiennes apparentées par division et  
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<p style="text-align: right;">[21] <b>3,048,064</b> [13] A1</p> <p>[51] Int.Cl. H04W 56/00 (2009.01) H04W 52/08 (2009.01) H04W 72/04 (2009.01)</p> <p>[25] EN</p> <p>[54] LTE-U CLEAR CHANNEL ASSESSMENT OPERATIONS</p> <p>[54] ESTIMATION DE CANAL DEGAGE DANS UN SYSTEME LTE-U</p> <p>[72] JI, TINGFANG, US</p> <p>[72] BHUSHAN, NAGA, US</p> <p>[72] WEI, YONGBIN, US</p> <p>[72] GAAL, PETER, US</p> <p>[72] LUO, TAO, US</p> <p>[72] CHEN, WANSHI, US</p> <p>[72] MALLADI, DURGA PRASAD, US</p> <p>[72] DAMNJANOVIC, ALEKSANDAR, US</p> <p>[72] SOMASUNDARAM, KIRAN KUMAR, US</p> <p>[72] XU, HAO, US</p> <p>[71] QUALCOMM INCORPORATED, US</p> <p>[22] 2014-10-07</p> <p>[41] 2015-04-16</p> <p>[62] 2,924,585</p> <p>[30] US (61/887922) 2013-10-07</p> <p>[30] US (14/507727) 2014-10-06</p>	<p style="text-align: right;">[21] <b>3,048,093</b> [13] A1</p> <p>[51] Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6827 (2018.01) C12Q 1/6858 (2018.01) C12Q 1/6883 (2018.01)</p> <p>[25] EN</p> <p>[54] SINGLE NUCLEOTIDE POLYMORPHISMS ASSOCIATED WITH CARDIOVASCULAR DISORDERS AND STATIN RESPONSE, METHODS OF DETECTION AND USES THEREOF</p> <p>[54] POLYMORPHISMES NUCLEOTIDES SIMPLES ASSOCIES A DES TROUBLES CARDIOVASCULAIRES ET A UNE REPONSE AU MEDICAMENT, LEURS PROCEDES DE DETECTION ET D'UTILISATION</p> <p>[72] CARGILL, MICHELE, US</p> <p>[72] IAKOUBOVA, OLGA, US</p> <p>[72] DEVLIN, JAMES J., US</p> <p>[72] TSUCHIHASHI, ZENTA, US</p> <p>[72] ZERBA, KIM E., US</p> <p>[72] PLOUGHMAN, LYNN MARIE, US</p> <p>[72] KOUSTUBH, RANADE, US</p> <p>[72] KIRCHGESSNER, TODD, US</p> <p>[72] SHAW, PETER, US</p> <p>[71] CELERA CORPORATION, US</p> <p>[71] BRISTOL-MYERS SQUIBB COMPANY, US</p> <p>[22] 2004-11-24</p> <p>[41] 2005-06-23</p> <p>[62] 2,991,249</p> <p>[30] US (60/524,882) 2003-11-26</p> <p>[30] US (60/568,219) 2004-05-06</p>	<p style="text-align: right;">[21] <b>3,048,118</b> [13] A1</p> <p>[51] Int.Cl. C12N 15/79 (2006.01) C12N 5/10 (2006.01) C12N 15/09 (2006.01) C12N 15/52 (2006.01) C12N 15/63 (2006.01) C12N 15/85 (2006.01) C12N 15/90 (2006.01)</p> <p>[25] EN</p> <p>[54] SITE-SPECIFIC SERINE RECOMBINASES AND METHODS OF THEIR USE</p> <p>[54] RECOMBINASES A SERINE SPECIFIQUES AU SITE ET LEURS PROCEDES D'UTILISATION</p> <p>[72] PADIDAM, MALLA, US</p> <p>[71] INTREXON CORPORATION, US</p> <p>[22] 2005-02-08</p> <p>[41] 2006-08-10</p> <p>[62] 2,914,181</p> <p>[30] US (11/049552) 2005-02-02</p>
		<p style="text-align: right;">[21] <b>3,048,222</b> [13] A1</p> <p>[51] Int.Cl. B21D 17/04 (2006.01) B23Q 17/00 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD AND DEVICE FOR FORMING GROOVES IN PIPE ELEMENTS</p> <p>[54] PROCEDE ET DISPOSITIF DE FORMATION DE RAINURES DANS DES ELEMENTS DE CONDUITE</p> <p>[72] PUZIO, MATTHEW J., US</p> <p>[72] DOLE, DOUGLAS R., US</p> <p>[72] PRICE, ANTHONY, US</p> <p>[72] VICARIO, DANIEL B., US</p> <p>[71] VICTAULIC COMPANY, US</p> <p>[22] 2014-07-18</p> <p>[41] 2015-02-19</p> <p>[62] 2,920,972</p> <p>[30] US (13/964671) 2013-08-12</p>
		<p style="text-align: right;">[21] <b>3,048,106</b> [13] A1</p> <p>[51] Int.Cl. H02J 3/38 (2006.01) H02S 40/32 (2014.01) F03D 7/00 (2006.01) H02J 3/18 (2006.01)</p> <p>[25] EN</p> <p>[54] UTILIZATION OF DISTRIBUTED GENERATOR INVERTERS AS STATCOM</p> <p>[54] UTILISATION D'ONDULEURS DE GENERATEURS DISTRIBUES COMME STATCOM</p> <p>[72] VARMA, RAJIV KUMAR, CA</p> <p>[72] KHADKIKAR, VINOD, CA</p> <p>[72] RAHMAN, SHAH ARIFUR, CA</p> <p>[71] VARMA, RAJIV KUMAR, CA</p> <p>[22] 2010-09-15</p> <p>[41] 2011-03-24</p> <p>[62] 2,768,101</p> <p>[30] US (61/242,501) 2009-09-15</p> <p>[30] US (61/309,612) 2010-03-02</p>
		<p style="text-align: right;">[21] <b>3,048,263</b> [13] A1</p> <p>[51] Int.Cl. G06Q 20/00 (2012.01) G06Q 20/08 (2012.01)</p> <p>[25] EN</p> <p>[54] NETWORK PAYMENT METHOD AND SYSTEM</p> <p>[54] PROCEDE ET SYSTEME DE PAIEMENT EN RESEAU</p> <p>[72] ZHANG, YI, CN</p> <p>[71] 10353744 CANADA LTD., CA</p> <p>[22] 2014-05-12</p> <p>[41] 2015-11-19</p> <p>[62] 2,985,890</p>

## Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

[21] 3,048,266
[13] A1
[51] Int.Cl. G06Q 20/00 (2012.01) G06Q 20/08 (2012.01)
[25] EN
[54] NETWORK PAYMENT METHOD AND SYSTEM
[54] PROCEDE ET SYSTEME DE PAIEMENT EN RESEAU
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[22] 2014-05-12
[41] 2015-11-19
[62] 2,985,890

[21] 3,048,370
[13] A1
[51] Int.Cl. G06Q 20/00 (2012.01) G06Q 20/08 (2012.01)
[25] EN
[54] NETWORK PAYMENT METHOD AND SYSTEM
[54] PROCEDE ET SYSTEME DE PAIEMENT EN RESEAU
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
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[51] Int.Cl. G06Q 20/00 (2012.01) G06Q 20/08 (2012.01)
[25] EN
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[71] 10353744 CANADA LTD., CA
[22] 2014-05-12
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[62] 2,985,890

[21] 3,048,375
[13] A1
[51] Int.Cl. G06Q 20/00 (2012.01) G06Q 20/08 (2012.01)
[25] EN
[54] NETWORK PAYMENT METHOD AND SYSTEM
[54] PROCEDE ET SYSTEME DE PAIEMENT EN RESEAU
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[71] 10353744 CANADA LTD., CA
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[41] 2015-11-19
[62] 2,985,890

[21] 3,048,301
[13] A1
[51] Int.Cl. G06Q 20/18 (2012.01) G06Q 20/12 (2012.01) G06Q 30/06 (2012.01)
[25] EN
[54] CONSUMER OPERATED KIOSKS FOR PURCHASING ITEMS ONLINE AND ASSOCIATED SYSTEMS AND METHODS
[54] KIOSQUES GERES PAR DES CONSOMMATEURS POUR ACHETER DES ARTICLES EN LIGNE ET SYSTEMES ET PROCEDES CONNEXES
[72] LENNON, KEVIN, US
[71] COINSTAR ASSET HOLDINGS, LLC, US
[22] 2013-10-03
[41] 2014-05-15
[62] 2,829,462
[30] US (61/726,720) 2012-11-15
[30] US (13/790,674) 2013-03-08

# Index of Canadian Patents Issued

July 23, 2019

## Index des brevets canadiens délivrés

23 juillet 2019

123-ENGINEERING & INNOVATION GMBH	2,837,022	ATTERBURY, MATTHEW DARCY	2,890,144	TECTON, DICKINSON AND COMPANY	2,834,092
3-V BIOSCIENCES, INC.	2,829,082	AUGUSTYN, STEVE	2,811,947	TECTON, DICKINSON AND COMPANY	2,958,968
9898 LIMITED	2,672,408	AUSTIN, MARK	2,966,448	TECTON, DICKINSON AND COMPANY	2,958,504
A. & A. FRATELLI PARODI S.P.A.	2,826,187	AVELLO BIOENERGY, INC. AVENT, INC.	2,873,385	TECTON, DICKINSON AND COMPANY	2,960,313
AB INITIO TECHNOLOGY LLC	2,890,144	AYOUB, CARLOS	2,747,700	BEDELL, RYAN S.	2,957,137
ABASSI, YAMA A.	2,760,941	ALEXANDRE	2,921,502	BEEKMANN, ALFRED	2,878,335
ABB SCHWEIZ AG	3,035,093	AZZ WSI LLC	2,840,601	BEENKEN, BJORN	2,958,504
ABBEX AB	2,871,990	BAALBAKI, MOUSSA	2,848,639	BEIROWSKI, JAKOB	2,832,410
ABEYWICKRAMA, NILANGA	3,035,093	BABA, MASANOBU	2,965,607	ANDREAS	2,909,386
ACADEMISCH ZIEKENHUIS LEIDEN H.O.D.N. LUMC	2,793,087	BABICH, JOHN W.	2,819,850	BEK, ROBIN	2,849,986
ACEA BIOSCIENCES, INC.	2,760,941	BAEZ, CARLOS	2,902,924	BELKIN, ANATOLY S.	2,915,880
ADACHI, TATSUYA	2,915,579	BAGWELL, ALISON S.	2,747,700	BELL, JESSICA LOUISE	3,006,222
ADAMS, STEWART	3,010,868	BAI, GUOXING	2,992,914	BELLEC, MATTHIEU	2,757,049
ADC BIOTECHNOLOGY LTD	2,910,064	BAILEY, MARK	2,966,448	BELLEMARE, MARTIN	3,035,093
AGAMAITÉ, JAMES	2,799,777	BAKER HUGHES INCORPORATED	2,939,585	BENGTSSON, TORD	2,978,551
AHMAD, FARHAN	2,927,488	BAKER HUGHES	2,902,924	BENTON, MICHAEL	2,877,811
AHMED, RAFI	2,947,292	INCORPORATED	2,963,758	BENYACOUB, JALIL	2,786,393
AHMED, SHAHADAT	2,953,177	BALANCE BLADES INC.	2,916,313	BERGERON, MARK A.	2,836,531
AIELLO, DOMINICK	2,839,076	BALEMANS, WENDY MIA	2,842,518	BES, BERNARD	2,760,475
AIT-HADDOU, HASSAN	2,976,504	ALBERT	2,842,526	BES, LAURENCE	2,957,372
AKUTAGAWA, TOMOYA	2,804,874	BALEMANS, WENDY MIA	2,805,425	BEUTLER, BRUCE	2,902,924
ALAMEH, KAMAL	2,837,746	ALBERT	2,873,385	BHATT, VIRAL	2,937,698
ALBIN, DAVID R.	2,867,172	BALLOU, BERNARD L., JR.	2,805,425	BIGGIN, DAVID FRANCIS	2,844,720
ALCACIO, TIM EDWARD	2,794,559	BANASIAK, DENNIS	2,958,968	BIGRAS, MARTIN	2,960,518
ALEEM & COMPANY INC.	2,883,446	BANIK, ROBERT	2,927,290	BIN MUHAMMAD	2,838,410
ALESI SURGICAL LIMITED	2,853,405	BANK OF CANADA	2,818,706	MOIZUDDIN,	2,762,262
ALLEN, DARIN	2,960,384	BANKSTON, DONALD	2,816,483	MUHAMMAD SUBHAN	2,791,685
AMADEUS S.A.S.	2,846,911	BANNISTER, JOHN J	2,972,033	BINEAU, MATHIEU	2,838,410
AMARA, RAMA	2,947,292	BANSAL, REESHIDEV	2,929,635	BIOSENSE WEBSTER (ISRAEL), LTD.	2,802,977
AMAT RIERA, ISABEL	2,823,747	BAO, BO	2,973,065	BIRKENFELD, JOERG	2,976,721
AMAT, MERCE	2,823,747	BAR, AMIR	2,973,067	BIVAS, PIERRE	2,806,555
AMOAH, FRANCIS KWEKU EGYIN	2,853,405	BAR, AMIR	2,780,288	BLOTT, PATRICK LEWIS	2,844,720
ANDRETTI, MAURO	2,876,965	BAR, S. NEIL	2,762,262	BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, AUSTIN	2,957,372
ANNEQUIN, DAVID	2,989,544	BAR-ON, TAL HAIM	2,762,262	BOGER, DALE L.	2,957,372
ANTUNES, RAFAEL	2,863,772	BAR-TAL, MEIR	2,747,700	BOKKA SRINIVASA RAO, KISHORE K.	2,960,313
AOYAMA, TSUTOMU	2,915,579	BARATIAN, STEPHEN A.	2,816,483	BOMBARDIER	2,844,720
AQUABLOK, LTD.	2,813,428	BARKER, GEOFFREY M	2,864,938	TRANSPORTATION GMBH	2,824,993
ARAKI, TAKAHITO	2,965,607	BARKER, JEFFREY THOMAS	2,787,904	BOOTSMA, JASON ALAN	2,802,977
ARCHIVEL FARMA, SL	2,823,747	BARKER, MARK E.	2,940,087	BORREGAARD AS	2,909,386
ARCTIA SHIPPING OY	2,827,213	BARTHELMESS, REINER	2,840,781	BOSTON SCIENTIFIC SCIMED, INC.	2,964,550
ARMENDARIZ HERRERA, HECTOR	2,937,242	BASF SE	2,837,864	BOULET, ANDRE	2,981,718
ARNOULT, ERIC PIERRE ALEXANDRE	2,842,518	BASUR, ARUN G.	2,747,700	BOULET, ANDRE	3,006,222
ARRIOLA BADIOLA, AITZOL	2,881,506	BAUER, JONATHAN P.	2,748,136	BOURHIS, KEVIN	3,006,222
ARRIS ENTERPRISES LLC	2,965,484	BAUMGARTEN, EVAN	2,972,033	BOUSQUET, BRUNO	3,006,222
ASH, STEPHEN R.	2,724,784	BAUMSTEIN, ANATOLY	2,791,685	BOYD, JAMES WILLIAM	2,967,611
ASHIKAGA, KAZUO	2,931,079	BAYER HEALTHCARE LLC	2,799,777	BRAHMBHATT, VIRAL	2,877,811
ASOLKAR, RATNAKAR	2,866,165	BAYER HEALTHCARE LLC	2,765,604		
ASSELIN, WILLIAM	2,806,555	BECKER, HINNERK GORDON	2,817,282		
		BECTON DICKINSON ROWA GERMANY GMBH	2,848,784		

**Index of Canadian Patents Issued**  
**July 23, 2019**

BRANDWEIN, HARVEY	2,706,445	CHANGZHOU DEZE MEDICAL	DEERE & COMPANY	2,787,904
BRANNAN, JOSEPH D.	2,845,864	SCIENCE CO., LTD	DEKA PRODUCTS LIMITED	2,937,204
BRATSCHKE, THOMAS	2,939,585	CHAO, JESSICA JADE	PARTNERSHIP	2,937,242
BREAKWELL, IAIN	2,811,947	CHAPMAN, LEONARD T.	DEL ANGEL VICENTE, PAZ	2,802,977
BRESCELLO, ROBERTO	2,876,965	CHAPMAN/LEONARD STUDIO	DELIN, LENNART	2,913,613
BREUER, VOLKER	2,978,242	EQUIPMENT, INC.	DELTA FAUCET COMPANY	2,937,204
BRIGHT, NEIL S	2,816,483	CHEMETALL GMBH	DEMERS, JASON A.	2,855,487
BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED	2,966,448	CHEN TIAN CO., LTD.	DEN BOER, SEBASTIAAN	2,971,494
BROGAN, MICHAEL	2,844,365	CHENG, CHING-HSIANG	WILHELMUS JOSEPHUS	2,911,284
BROGAN, TOM	2,844,365	CHEUNG, KWUN-WING W.	DENG, JUN	2,962,648
BRONNIMANN, ROLF	2,908,895	CHEVRON PHILLIPS	DENTSPLY INTERNATIONAL	2,799,777
BROWN, BRANDON HEATH	2,960,384	CHEMICAL COMPANY LP	INC.	3,003,925
BROWN, DOUGLAS A.	2,968,157	CHU, CHEOL-MIN	DESAI, MEHUL	2,840,781
BROWN, JARED	2,873,385	CHUBBOCK, PAUL	DESCALZI, DOUGLAS	2,845,864
BROWN, PAUL ADDISON	3,010,868	CJ CHEILJEDANG	DETERING, JURGEN	2,956,377
BRUECKNER, SIMONE	2,791,685	CORPORATION	DI FRANCO, JOSEPH ISIDORO	2,878,335
BRYANT, STEPHEN D.	2,932,194	CLABAU, FREDERIC	DICKENS, COLIN	2,844,365
BUCHBERGER, HELMUT	2,956,377	CLEAR, LIAM	DICKHANS, WILLIAM J.	2,998,603
BUCKMAN LABORATORIES INTERNATIONAL, INC.	2,932,194	CLEMENTE DIAZ, JORGE	DIEDRICHS, VOLKER	3,018,140
BUGGY, JOSEPH J.	2,800,913	JUAN	DING, JIUDONG	2,962,092
BURGETH, GERALD	2,932,502	CLERINX, JOHANNES	DOBINSON, MATT	2,882,353
BURTON, GEOFF	2,929,635	EDUWARD IRENE MARIE	DODGE, JAMES	2,793,087
BUSH, MICHAEL	2,969,683	JOSEFA	DOLBY INTERNATIONAL AB	2,827,863
BUSH, STEPHAN GARY	2,949,118	CMD CORPORATION	DOLE, PATRICE	2,804,931
BUSKER, KAI	2,878,335	COMSONICS, INC.	DOLSTRA, HARMEN	2,827,309
BUTCHER, BRADLEY A.	2,926,202	CONNELL, DAVID A.	DONG, YUNLONG	2,845,514
BUXBAUM, MARK	2,890,144	CONNER, GREGORY THOMAS	DONG, ZHANSHAN	2,866,165
BUYUKSAHIN, UTKU	3,023,873	CONSUMER PRODUCTS	DONG, ZHENG XIN	2,916,468
BYRNE, RICHARD	2,851,674	INTERNATIONAL LLC.	DOUCET, GUY	2,993,177
BYUN, KYUNG HEE	2,964,760	COOPER, DANIEL G.	DOW TECHNOLOGY	2,844,365
CACHO ALONSO, JUAN CARLOS	2,882,474	COOPER, MARK	INVESTMENTS LLC	2,882,353
CAI, HAIYING	2,829,082	CORDOVA-KREYLOS, ANA	DR. REDDY'S LABORATORIES	2,837,864
CALVERT, JAY GREGORY	2,817,486	LUCIA	LTD.	2,962,092
CAMPI, ROBERTO	2,826,187	COSSETTE-PACHECO, ALEXANDRE	DRAEGER SAFETY AG & CO.	2,921,502
CANIIONI, LIONEL STEPHANE	3,006,222	COSTA, DARRELL SCOTT	KGAA	2,793,087
CAO, GUORONG	2,990,296	COTARCA, LIVIUS	DRIJFHOUT, JAN WOUTER	2,827,309
CARBONSCAPE LIMITED	2,856,336	COVIDIEN LP	DSM IP ASSETS B.V.	2,857,247
CARDINAL, THIERRY	3,006,222	COVIDIEN LP	DSM IP ASSETS B.V.	2,811,947
CARDINALE, ALFI	3,003,925	COVIDIEN LP	DUDLEY, STEVEN	2,916,468
CARDINALE, CLAUDIO	3,003,925	CREATIVE THERAPEUTICS	DUFFEY, MATTHEW O.	2,817,027
CARDONA IGLESIAS, PERE J.	2,823,747	CRUMBLIN, GEOFFREY	DUFRANCATEL, LAURENCE	2,956,932
CARNEY, CARSON T.	3,025,558	CRYOEX OIL LTD.	DUMA, THOMAS	2,844,986
CARRY INNOVATIONS INC.	2,984,830	CURT G. JOA, INC.	DUMAS, JOHN HICKS, III	2,845,233
CASCADES CANADA ULC	2,835,750	CYTO365 AB	DURAVIT	2,866,165
CASE, JASON A.	2,845,864	CYTOCHROMA	AKTIENGESELLSCHAFT	2,757,049
CASTRO, JOHN R.	2,913,779	DEVELOPMENT INC.	DUROCHER, MARC-ANDRE	2,845,514
CAVALET, ANDREA	2,838,804	CZADERSKI, CHRISTOPH	E. I. DU PONT DE NEMOURS	2,867,172
CCB - CENTRO DE CRIOGENIA BRASIL LTDA.	2,921,502	CZYSTOWSKA, MARGARETA	AND COMPANY	2,886,491
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)	2,837,867	DAHLQUIST, ERIN JANE	EATON, DELBERT	2,886,491
CENTRO DE INGENIERIA GENETICA Y BIOTECNOLOGIA	2,799,066	DALE, JAMES D.	EBERL, FRANK	2,706,445
CERALOC INNOVATION AB	2,844,817	DANA-FARBER CANCER	ECOLAB USA INC.	2,866,491
CHANDRASHEKAR, SRIDHAR	2,974,644	INSTITUTE	EGAN, JAMES E.	2,845,233
CHANG, SHULUN	2,852,537	DANESH, MICHAEL D.	ELC MANAGEMENT LLC	2,886,491
		DANFORTH, WAYNE	ELECTRONICS AND	2,913,779
		DANIEL, DYLAN	TELECOMMUNICATIONS	2,878,904
		DANIELS, ROGER E.	RESEARCH INSTITUTE	2,804,931
		DAUGHTRY, DAVID	ELIAS, LAURENCE	2,882,353
		DAVIS, GREG	ELLENS, CODY	2,873,385
		DE BONT, JOHANNES	EMORY UNIVERSITY	2,947,292
		ADRIANUS MARIA	EMPA	2,908,895
		DE CONINCK, MICHAEL	EMPL, GUNTER	2,829,709

**Index des brevets canadiens délivrés**  
**23 juillet 2019**

ENGLAND, DYLAN B.	2,916,468	FRANKE, BERND	2,977,266	GUILLEMONT, JEROME	
ENGLISH, NIALL	3,014,730	FRASER, RORY	2,956,377	EMILE GEORGES	2,842,518
ENSCO SERVICES LIMITED	2,883,713	FRED HUTCHINSON CANCER RESEARCH CENTER	2,799,169	GUILLEMONT, JEROME	
ENSCORE, DAVID	2,852,537	FREEMAN, GORDON	2,947,292	EMILE GEORGES	2,842,526
EPPLER, WOLFGANG	2,829,709	FREIBERG, DAN	2,953,042	GURRIERI, LUIS E.	3,014,365
EPPSTEIN, JONATHAN	2,852,537	FRIEVALT, CURT	2,827,863	GUZMAN CASTILLO, MARIA	
ERICKSON, JASON	2,715,824	FRIGERIO, FEDERICO	2,840,434	DE LOURDES	
ESTES, THOMAS G.	2,747,700	FRITZ, JEFF W.	2,807,809	ALEJANDRA	2,937,242
ESTRINE, BORIS	2,817,027	FROELANDER, ANDERS	2,802,977	HABICHT, BERNHARD G.	2,907,885
ETHICON LLC	2,780,288	FROM, WESLEY	2,864,938	HABICHT, TODD	2,907,885
ETO, KOJI	2,836,073	FUKATA, OSAMU	3,030,540	HADDEN, JOHN W.	2,706,445
EVANCHIK, MARC	2,829,082	FUNATO, JUNICHI	2,969,198	HAGEN, DAVID L.	2,799,482
EVANS, DAVID JOHN	2,910,064	FUSI, ROBERT W., II	2,857,676	HALCOMB, RANDALL L.	2,960,384
EVERSAFE TECHNOLOGIES LIMITED	3,014,730	FYFE, GWEN	2,800,913	HALDOR TOPSOE A/S	2,877,165
EVERSON, DAN FRANKLIN	2,837,745	FYLES, THOMAS M.	2,929,635	HALLIBURTON ENERGY SERVICES, INC.	2,960,518
EVERSON, TERRENCE P.	2,886,491	GACHON UNIVERSITY OF INDUSTRY-ACADEMIC COOPERATION	2,929,635	HALLIBURTON ENERGY SERVICES, INC.	2,973,065
EVONIK DEGUSSA GMBH	2,817,282	GAUDT, TORBEN	2,964,760	HALLIBURTON ENERGY SERVICES, INC.	2,973,067
EXPRESSION PATHOLOGY, INC.	2,785,469	GAINDU, S.L.	2,840,781	HALLIBURTON ENERGY SERVICES, INC.	
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY	2,871,489	GALAZIN, GREGORY	2,881,506	GE GLOBAL SOURCING LLC	2,996,965
EXXONMOBIL UPSTREAM RESEARCH COMPANY	2,846,317	GE HEALTHCARE UK	2,960,326	HALS, KRISTIN	2,802,977
EXXONMOBIL UPSTREAM RESEARCH COMPANY	2,972,033	LIMITED	2,826,842	HAMADA, TOMOYUKI	2,941,999
EYENOVIA, INC.	2,805,425	GEMALTO M2M GMBH	2,822,085	HAMILTON, MICHAEL	2,780,288
F.I.S. - FABBRICA ITALIANA SINTETICI S.P.A.	2,876,965	GENZYME CORPORATION	2,978,242	HAMMAD, AYMAN	2,786,271
FACEBOOK, INC.	2,899,242	GEORGIEV, STEPHAN	2,998,603	HANDY & HARMAN	2,844,011
FAILED LEVEES APPLICATIONS, LLC	2,844,447	GERACI, FREDERIC	2,886,282	HANSON, SHAUN B.	2,884,468
FAIRNENY, TY	2,806,555	GERLACH, GUNTER	2,846,911	HAOMAMEDICA LIMITED	2,785,541
FARBER, ALEXANDER	2,932,502	GERMAIN, AARON	2,932,502	HARADA ELECTRONICS INDUSTRY CO., LTD.	2,993,289
FASVER	2,760,475	GETZEWICH, LEE	2,909,386	HARADA, MASAHIDE	2,993,289
FAURECIA INTERIEUR INDUSTRIE	2,817,027	GIACOMETTI, ALBERTO	2,867,172	HARLESS, RICHARD I.	2,946,485
FECHER, STEFAN	2,911,284	GIESELER, HENNING	2,822,587	HARLEV, JOSEPH YOSSI	2,965,024
FENG, CHANG-DONG	2,926,202	GIL VALDES, JEOVANIS	2,832,410	HARRIS CORPORATION	2,946,485
FERNANDEZ MASSO, JULIO RAUL	2,799,066	GILEAD SCIENCES, INC.	2,799,066	HART, DOUGLAS P.	2,840,434
FICHTINGER, GABOR	2,744,123	GINESTE, MATHIEU	2,960,384	HART, JONATHAN	2,844,447
FIRTH, ANDREA V.	2,927,290	GLASSTECH, INC.	2,799,339	HARTMAN, WOUTER	
FISHER, RALEIGH	2,974,298	GLOVER, DANIEL E.	2,852,014	WILLEM ANTONIUS	2,857,247
FLEXIBLE STEEL LACING COMPANY	2,780,531	GONCHAROV, ALEXANDER B.	2,932,194	HARTWELL, EDWARD	
FLEXTRONICS GLOBAL SERVICES CANADA INC.	2,799,066	GOULET, DENIS	2,865,658	YERBURY	2,976,721
SERVICES GLOBAUX	2,744,123	GOUTOPOULOS, ANDREAS	2,886,682	HARVEY, LISA	2,966,448
FLEXTRONICS CANADA INC.	2,927,290	GRAHAM, DARCELLE JULIE	2,837,864	HASHIMOTO, KAZUHITO	2,868,344
FLOCKEN, CHRISTIAN	2,922,866	GRAHAM, GEOFFREY I.	2,924,557	HASSETT, DANIEL J.	2,982,943
FOGGY, BRUCE	2,939,614	GRANGER, COLIN EDWARD	2,776,684	HASTIE, SCOTT	2,865,658
FORNASIERO, LIVIO	2,831,288	GRANT, KEVIN L.	2,788,479	HAUGHT, JOHN CHRISTIAN	2,981,612
FORSELL, PETER	2,962,092	GRASS, MICHAEL	2,818,706	HAYAMI, YASUAKI	3,025,767
FORSTER, HEINZ	2,776,429	GRIDVIEW OPTICAL SOLUTIONS, LLC.	2,981,319	HAYASHI, TETSUYA	3,025,767
FORTEM SOFTWARE INC.	2,829,998	GRIFFITH, SCOTT R.	2,761,682	HD PETROLEUM INC.	2,907,885
FORUM ENERGY TECHNOLOGIES (UK) LIMITED	2,794,057	GROSS, RAY	2,965,024	HEIDECKER, KARSTEN	2,974,298
FOUGERE, RICHARD J.	2,895,202	GRUDZINSKA, JOANNA	2,799,777	HEIDER, MICHAEL	2,953,044
FOWLER, PAUL	2,857,676	GRZEDA, VICTOR	2,945,033	HEINTZ, BRUNO	2,838,410
FRAELIC, CHRIS	2,765,604	GU, GUIJIANG	2,945,033	HELLENBRAND, CHRISTOPH	2,848,784
	2,844,365	GUENER, REFI-TUGRUL	2,791,685	HEMBROUGH, TODD	2,785,469
		GUERRA VALLESPÍ, MARIBEL	2,744,123	HEMINGWAY, JEREMY L.	2,747,700
			2,744,123	HENDERSON, JAY C.	2,939,614
			2,990,296	HENSHAW, IAIN	2,816,483
			2,813,336	HERAEUS KABUSHIKI KAISHA	2,931,079
			2,799,066	HIGHTOWER, CARRITA ANNE	2,981,612
				HINRICHS, ERIC	2,780,288

**Index of Canadian Patents Issued**  
**July 23, 2019**

HITACHI CONSTRUCTION MACHINERY CO., LTD.	2,941,999	INSTITUTO MEXICANO DEL PETROLEO	2,937,242	JUSHI GROUP CO., LTD.	2,990,296
HITACHI METALS, LTD.	2,965,607	INTELLIGENT CELLARS INC.	2,822,353	K-FEE SYSTEM GMBH	2,829,709
HIXON, JESSICA	2,806,555	INTIGRAL, INC.	2,879,353	KABUSHIKI KAISHA SQUARE	
HODGES, STEPHEN	2,785,541	INTRATOR, NATHAN	2,979,953	ENIX HOLDINGS (ALSO TRADING AS SQUARE	
HOEKSTRA, PHILIP	2,932,194	INTREXON CORPORATION	2,715,078	ENIX HOLDINGS CO., LTD.)	2,886,282
HOFER, DOUGLAS C.	2,826,842	INVENTYS THERMAL TECHNOLOGIES INC.	2,964,550	KAKINUMA, KAZUHIKO	2,965,607
HOFFNER, RANDAL	3,010,868	INVENTYS THERMAL TECHNOLOGIES INC.	2,981,718	KALJURA, KARL	2,966,448
HOHER, TOBIAS-LARS	2,883,839	IPD-THERAPEUTICS B.V.	2,682,243	KALMBACH, KLAUS	2,822,587
HOLCIM TECHNOLOGY LTD	2,848,639	IPSEN PHARMA S.A.S	2,793,119	KANEKO, MITSUGU	2,907,983
HOLLAND, JAMES B.	2,978,551	IQVIA INC.	2,844,365	KANNENGIESSER, PAULINE	2,817,027
HONDA MOTOR CO., LTD.	2,907,983	IRX THERAPEUTICS, INC.	2,706,445	KAPSCH TRAFFICCOM AG	2,813,336
HONDA MOTOR CO., LTD.	2,958,990	ISOLA, ANDREA	2,848,531	KARAM, NASSER H.	2,904,561
HONDA MOTOR CO., LTD.	2,980,093	ITO, MITSUHIRO	2,916,468	KATADA, ARINOBU	2,907,403
HONIG, CHARLES MARK	2,768,258	IVARS BARCELO, FRANCISCO	2,937,242	KATATA, HIROYUKI	3,011,691
HONIG, LAWRENCE	2,768,258	IVOSEVIC, MILAN	2,834,092	KAWAI, YASUHIRO	2,907,983
HONOREZ, GAEL	2,965,332	IVOSEVIC, MILAN	2,960,313	KAWAMURA, KIYOKO	2,931,079
HORHOLD, HEINER	2,911,284	IWAKAMI, YUJI	2,980,093	KAYE, LAURA	2,811,947
HOTTOVY, JOHN D.	2,839,559	IWATA, TADAJI	2,772,236	KEHAT, ISRAEL	2,939,099
HOUSE, JAMES DUNCAN	2,981,319	JACKSON, RONALD E., JR.	2,946,485	KEIGHLEY, MICHAEL	
HOVIONE INTERNATIONAL LTD	2,863,772	JACOBS, ALAN	2,920,349	ROBERT BURCH	2,831,071
HOWE, MATT	2,866,478	JACOBS, JENNIFER	2,920,349	KEIGHLEYCOLO LTD	2,831,071
HRVATIN, PAUL	2,960,384	JAKOBSEN, BENT KARSTEN	2,968,393	KEMPTER, ANDREAS	2,840,781
HU, LILY W.	2,829,082	JAMIN, JON	2,811,947	KENDRA, MARK FRANCES	2,853,004
HU, ZHAOQING	3,018,140	JAMISON, DALE E.	2,973,065	KENYON, BARTON JOHN	2,912,125
HU, ZHIGEN	2,916,468	JAMISON, DALE E.	2,973,067	KEPKA, CECILIA JANSSON	2,861,629
HUANG, ANDREW BRIAN	2,886,682	JANG, JAE WOO	2,860,252	KERKIS, ALEXANDRE	2,921,502
HUANG, WEI HSUAN	2,960,518	JANSE, BERNARD	2,932,194	KERSCHBAUMER, ANDREAS	2,914,077
HUAWEI TECHNOLOGIES CO., LTD.	2,951,963	JANSEN, ROGER	2,960,326	KESHAVARZ-SHOKRI, ALI	2,794,559
HUCK, BAYARD R.	2,818,706	JANSSEN PHARMACEUTICA NV	2,832,410	KIDDE TECHNOLOGIES, INC.	2,920,424
HULL, JOHN H.	2,813,428	JANSSEN SCIENCES IRELAND UC	2,842,518	KIM, DONG YOUNG	2,943,973
HUMPAL, RICHARD A.	2,787,904	JANSSEN SCIENCES IRELAND UC	2,842,526	KIM, HEUNG-MOOK	2,959,610
HUNTSMAN INTERNATIONAL LLC	2,850,897	JANSSEN VACCINES & PREVENTION B.V.	2,763,091	KIM, SEUNGHUN	2,947,013
HUR, NAM-HO	2,959,610	JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY	2,842,518	KIM, YOUN-SUN	2,853,003
HURRY, SIMON	2,786,271	JEHA, SIMONE MARIE	2,912,125	KINETIC ORTHOTICS PTY LTD	2,837,745
HUSFELD, CRAIG O.	2,773,340	JENKINS, THOMAS E.	2,773,340	KING, FREDERICK DAVID	2,775,506
IBOSS, INC.	2,956,805	JENSEN, MARTIN FRAHM	2,877,165	KIRAN, SHASHI	2,826,842
ICU MEDICAL, INC.	2,849,986	JETS INNOVATIONS PTY LTD	2,979,575	KJOSNES, IVAR	2,875,125
IDEAL WAREHOUSE INNOVATIONS INC.	2,784,156	JIawei RENEWABLE ENERGY CO., LTD.	2,868,344	KLAASSEN, PAUL	2,857,247
IDEN, MICHAEL E.	2,800,880	JOHANSEN, POUL	2,979,572	KLEIN, EYAL	2,939,099
IGEN TECHNOLOGIES INC.	2,816,483	JOHANSSON, MATS H.	2,861,629	KLOEFTEN, ANNE MARI	2,802,977
IGT	2,791,117	JOHNSON, LEONARD	2,802,977	KNUDSEN, LARI BJERG	2,877,165
IHI CORPORATION	2,965,607	JOHNSON, RUSSELL	2,829,082	KO, SUZ-CHUNG	2,848,639
IMAHASE, TOSHIHIRO	2,969,198	JOHNSTON, DOUGLAS M.	2,840,434	KOBAYASHI, HARUHIKO	2,907,983
IMMUNOCORE LIMITED	2,968,393	JOHNSTON, LEE	2,851,674	KOBAYASHI, MASAHIRO	3,030,540
IMPLANTICA PATENT LTD.	2,776,429	JOHNSTON, THOMAS S., JR.	2,966,545	KOHLER, KLAUS	2,966,545
INACHULEV, TSONTCHO	2,805,425	JOINTVUE, LLC	2,977,574	KOIVUNEN, MARJA	2,866,165
INAI, MOTOYUKI	2,980,987	JONES, ANDREW	2,776,684	KOLVEK, STEPHEN J.	2,946,485
INDIANA UNIVERSITY RESEARCH AND TECHNOLOGY CORPORATION	2,836,466	JONES, REINALDO	2,818,706	KOMISTEK, RICK	2,977,574
INFINEON TECHNOLOGIES BIPOLAR GMBH & CO. KG	2,940,087	JONES, RODERICK	2,924,557	KONECRANES GLOBAL CORPORATION	2,832,261
INGHELBRECHT, SABINE KARINE KATRIEN	2,832,410	JOYAL, JOHN L.	2,819,850	KONETSKI, THEODORE	2,965,024
INKIDIA S.R.L.	2,816,808	JOYCE, JOHANNA	2,834,696	KOOPFERSTOCK, JOSHUA	2,794,057
INSTITUT NATIONAL D'OPTIQUE	2,917,426	JUN, MARTIN B.G.	2,929,635	KOPEL, EVGENI	2,939,099
				KOREA ELECTRIC POWER CORPORATION	2,884,384
				KOSEKI, SHUHO	2,965,607
				KOTNIK, HARALD	2,914,077
				KOTNIK, PAUL T.	2,849,986
				KOUL, ANIL	2,842,518
				KOUL, ANIL	2,842,526

**Index des brevets canadiens délivrés**  
**23 juillet 2019**

KRAWIEC, MARIUSZ	2,794,559	LI, YI	2,968,393	MASTERCARD
KREKOUKIS, IOANNIS	2,949,608	LI, ZHAO	2,992,914	INTERNATIONAL
KRIMSKY, WILLIAM S.	2,967,198	LI, ZILI	2,847,375	INCORPORATED
KRIZMAN, DAVID B.	2,785,469	LIBURDI ENGINEERING LIMITED	2,865,658	MASTERCARD MOBILE
KROSAKIHARIMA CORPORATION	2,969,198	LIBURDI, JOSEPH	2,865,658	TRANSACTIONS
KRUGER, MARC	2,829,709	LICHT, FLEMMING	2,871,990	SOLUTIONS, INC.
KRUT, DIMITRI D.	2,904,561	LICHTLE, ROGER P.	2,786,393	MASUBUCHI, YUTA
KUFELD, SCOTT E.	2,839,559	LIEBHERR-AEROSPACE TOULOUSE SAS	2,882,328	MATLOW, MELL
KULKARNI, SHRIDHAR SHRIKANT	2,826,842	LIM, SANG JO	2,860,252	MATSUDA, JUN
KURIMOTO, NORIKO	2,907,983	LIN, YAKANG	2,981,612	MAURER, ROBERT
KURIYAGAWA, KOJI	2,958,990	LIN, ZHE	2,970,561	MAX LIFE, LLC
KUTZNER, MARTIN	2,911,284	LIPTAK, ANDREW J.	2,844,011	MAYA FLORES, ETEL
KWON, SEONG-CHUL	2,884,384	LITHGOW, PERRY DAVID	2,912,125	MAYO FOUNDATION FOR MEDICAL EDUCATION
KWON, SUN-HYOUNG	2,959,610	LIU, LIANG	2,992,914	AND RESEARCH
LA VIT TECHNOLOGY LLC	2,991,233	LIZIER, NELSON FORESTO	2,921,502	MAZZANOBILE, PAUL
LABROT, MICHAEL	2,863,491	LO FARO, GIAN MATTEO	2,991,233	MCDONALD, WILLIAM F.
LAD, DENIKUMAR D.	3,015,041	LOEFFLER, CARLOS	2,761,682	MCDONOUGH, JUSTIN E.
LADTKOW, CASEY M.	2,845,864	LOGGIA, ROSARIO	3,003,925	MCDOWELL, ROBERT S.
LAFFONT, JEAN-LOUIS	2,761,682	LOMBARDI, ANGELINA	2,816,808	MCFADDEN, RYAN
LAFORTE, CHRISTIAN	2,794,057	LOPEZ NIETO, JOSE MANUEL	2,937,242	MCGARRY, STEVEN PAUL
LAFORTE, GUILLAUME	2,794,057	LOPREIATO, ANTHONY	2,949,444	MCGARVA, JOHN
LAGANIÈRE, ROBERT	3,014,365	LORENCEAU, JEAN	2,837,867	MCINTYRE, CHARLES
LAMONTAGNE, LOUIS	2,788,479	LOURY, DAVID J.	2,800,913	MCKEE, COLIN MARTIN
LANCOIS, DAVID FRANCIS ALAIN	2,842,518	LOWDEN, PAUL	2,865,658	MCLEAN, HUGH DAVID
LANCOIS, DAVID FRANCIS ALAIN	2,842,526	LOWN, JOHN M.	2,934,181	GEOFFREY
LANG, CHRISTIAN	2,953,044	LU, XUEJIA	2,974,644	MCNEIL-PPC, INC.
LANGRELL, STEPHEN ARTHUR	2,998,006	LU, YU	3,018,140	MCNICHOLAS, DANIEL
LANGSTON, STEVEN P.	2,916,468	LUTRON TECHNOLOGY COMPANY LLC	2,957,137	MCRAE, STUART
LARSON, ERIC W.	2,845,864	LUTZ, MATHIAS	2,822,587	MEDIA K-PLUS INC. /K-PLUS MEDIA INC.
LARUELLE, FREDERIC	2,846,911	MACDONALD, KEVIN J.	2,932,194	MEKiska, FRANK
LATIEF, OTHMAR	2,985,290	MACKEN, JOHAN ANTOINE	2,850,897	MELANSON, MICHAEL
LAVERACK, JOHN R.	2,991,233	STEFAAN	2,963,758	MELIEF, CORNELIS JOSEPH
LECHNER, DANIEL P.	2,852,014	MACKENZIE, GORDON	2,816,808	MARIA
LEE, BONG HEE	2,964,760	MAGLIO, ORNELLA	2,977,574	MELO, LUIS
LEE, ELAINE CHUNGMIN	2,794,559	MAHFOUZ, MOHAMED	2,884,468	MENON, MANAS C.
LEE, IN JU	2,943,973	RASHWAN	2,933,854	MERCHANT, CLARK ADRIEN
LEE, KWANG HO	2,860,252	MANDEEN, CHRISTOPHER D.	2,757,049	MERCK PATENT GMBH
LEE, WOOKJIN	2,908,895	MANLEY, HARRY B.	2,826,187	MERRITHEW CORPORATION
LEE-WEBB, JULIAN	2,976,721	MARCHILDON, LOUIS-	2,817,027	MERRITHEW, LINDSAY G.
LEFEVBRE DE SAINT GERMAIN, HUGUES	2,838,410	FREDERIC	2,757,049	MERRITHEW, MOIRA M.
LEGROS, PHILIPPE	3,006,222	MARINI, LEANDRO	2,757,049	MESCHKAT, STEPHAN JAMES
LEI, SHAWMIN	3,011,691	MARINKOVIC, SINISA	2,865,088	ANDREAS
LEINENBACH, CHRISTIAN	2,908,895	MARKETING IMPACT	2,865,088	MESSINA, CARLOS
LEMAY, STEVEN G.	2,791,117	LIMITED	2,952,424	METSO MINERALS
LENTSCH, STEVEN EUGENE	2,886,491	MARKOVIC, SVETOMIR N.	2,976,033	INDUSTRIES, INC.
LEONARDI, MATEO	2,871,090	MARRONE, PAMELA	2,976,033	MIDDLETON, ORVILLE
LEONESIO, GIAN BATTISTA	2,848,531	MARSE, GEORGE PETER, III	2,844,447	MILAN, GIANLUCA
LEPONT, PIERIG JEAN-MARIE	2,981,612	MARSH, CHARLES	2,799,777	MILLENNIUM
LEROUY, JEAN-YVES	2,760,475	MARTI, FRANKLIN C.	2,715,824	PHARMACEUTICALS, INC.
LERSCH, MARTIN	2,802,977	MARTIN, FRANCOIS-PIERRE	2,877,811	MILOVICH, DIMITRIJE
LEVITON MANUFACTURING CO., INC.	2,715,824	MARTINI, PAUL MICHAEL	2,956,805	MINEZAWA, AKIRA
LEWIS, JOHN ALFRED	2,763,091	MARTINI, PETER ANTHONY	2,956,805	MISH, BARBARA M.
LG ELECTRONICS INC.	2,947,013	MASCARELLO, CHRIS	2,965,332	MITSUBISHI ELECTRIC
LI, GANG	3,018,140	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	2,840,434	CORPORATION
LI, HAOWEN	2,969,683	MASSO RAMIREZ, AMADA	2,937,242	MITSUI, HIROYUKI
LI, LI	2,979,572	MASSOW, PETER	2,977,266	MIURA, YUSUKE
LI, NAN	2,760,941			MIYAZAKI, JUNICHI
				MIZUTANI, HIROTAKE
				MODY, TARAK D.
				2,916,468
				2,800,913

**Index of Canadian Patents Issued**  
**July 23, 2019**

MOERING, CHRISTINA	2,939,614	NI, WEI	3,025,767	PALMER-FELGATE, JOHN	2,811,947
MOJIO INC.	3,022,764	NICOLINI, DEREK	2,976,721	PAN, JUNLIANG	2,791,685
MOLECULAR INSIGHT		NICOVENTURES HOLDINGS		PANAVISION	
PHARMACEUTICALS, INC.		LIMITED	2,956,377	INTERNATIONAL, L.P.	2,839,076
MOLSBERGER, ALBRECHT	2,819,850	NIED, STEPHAN	2,840,781	PANDIT, VIVEK R.	3,015,041
MONAGHAN, TOM	2,873,894	NIKITINA, YANA	2,920,349	PAPON, GAUTIER	3,006,222
MONTAG, AVRAM DAN	2,979,575	NIPRO CORPORATION	2,993,289	PAQUET, ALEX	2,917,426
MOON, JUN OK	2,762,262	NISSAN MOTOR CO., LTD.	3,009,601	PARADKAR, VIDYADHAR	2,953,177
MOONLITE WORLD INC.	2,860,252	NISSAN MOTOR CO., LTD.	3,025,767	PARALLAXTER	2,965,332
MORAN, MARTIN	3,005,079	NISSAN MOTOR CO., LTD.	3,030,540	PARISH, DAVID WARREN	2,970,503
MORAND, MICHEL	2,901,612	NITSCHKE, DAVID B.	2,852,014	PARK, SANG HEE	2,860,252
MOREAU, JACQUES-PIERRE	2,835,750	NITSCHKE, DEAN M.	2,852,014	PARK, SU JIN	2,860,252
MORISHITA, KANA	2,793,119	NITTO DENKO		PARK, SUNG-IK	2,959,610
MORLEY, STEFAN	2,965,607	CORPORATION	2,852,537	PARK, YOUNGHWAN	2,947,013
MORO, LOREDANA	2,962,092	NJOY, LLC	2,799,320	PARODI, AUGUSTO	2,826,187
MORRISON, JAMES DAVID	2,850,897	NOK KLUEBER CO., LTD.	2,980,987	PARRONE, SALVATORE	2,826,187
MOTAVALLI, MASOUD	2,917,335	NOORDAM, BERTUS	2,827,309	PASSINI, MARCO A.	2,998,603
MOTTE, MAGALI MADELEINE SIMONE	2,908,895	NORDCO INC.	2,967,611	PATEL, YOGI	2,852,537
MOTTE, MAGALI MADELEINE SIMONE	2,842,518	NORTHQUIP INC.	2,998,006	PATHAK, SRIKANT	2,977,275
MOUALLEM, SAHAR	2,963,758	NOVAK, MARKUS	2,914,077	PAVONE, VINCENZO	2,816,808
MOUND, ANDREW JONATHAN	2,842,526	NOVARTIS AG	2,811,947	PAYNE, MARK JOHN	2,912,125
MOURNING, CHAD	2,967,211	NOVARTIS AG	2,834,696	PECKHAM, TRENT	2,844,365
MU, WEILIN	2,902,040	NOVO NORDISK A/S	3,013,532	PELISSIER, BERTRAND	2,882,328
MUELLER, BERTHOLD	2,913,779	NOVOZYMES A/S	2,861,629	PEMEX PETROQUIMICA	2,937,242
MULLER, THOMAS	3,010,868	NR ELECTRIC CO., LTD.	2,992,914	PENNELL, RUTH DIANE	2,917,335
MULLIGAN, MICHAEL G.	2,883,839	NR ENGINEERING CO., LTD	3,018,140	PERCEPTIMED, INC.	2,920,349
MUMPER, RUSSELL JOHN	2,890,144	NR ENGINEERING CO., LTD.	2,992,914	PERKINS, TINA	2,844,365
MUNARI, ILARIA	2,805,425	NUGENT, KEITH	2,946,485	PERVAN, DARKO	2,844,817
MURATA MANUFACTURING CO., LTD.	2,876,965	NUNES, BRUNA	2,863,772	PETCU, GEORGHE ADRIAN	3,003,925
MURDOCH, DOUGLAS	2,915,579	NUVO GROUP LTD.	2,979,953	PETERSON, DARION R.	2,845,864
MURPHY, LEE ANNE	2,854,782	NYKL, SCOTT	2,902,040	PETERSON, MATTHEW	2,922,866
MURRAY, ANDREW CHARLES	2,981,319	O'BRIEN, MICHAEL	2,806,555	PGS GEOPHYSICAL AS	2,818,817
MURTHY, LAKSHMI N. VUTUKURU	2,912,125	O'CONNELL, THOMAS	2,799,320	PHARMACYCLICS LLC	2,800,913
MUSACCIO LASA, ALEXIS	2,837,864	OCHIBOWSKI, MANUEL	2,977,266	PILGRIM, RICK	2,883,713
MUTHANANDAM, SARAVAN	2,799,066	OCULENTIS HOLDING B.V.	2,828,362	PIONEER HI-BRED	
MWANGI, JOHN	2,790,391	OGAWA, TEPPEI	2,804,874	INTERNATIONAL, INC.	2,761,682
MYHER, ROSS PATRICK	2,949,444	OHIO UNIVERSITY	2,902,040	PIPOL, JUSTIN J.	2,967,611
NAGY, OLIVER	2,844,720	OLIVA ARGUELLES,		PITRODA, SATYAN G.	2,962,648
NAKAI, OSAMU	2,813,336	BRIZAIDA MAYLIN	2,799,066	PLASTICUM NETHERLANDS	
NAKAMURA, KAZUHIRO	2,973,460	OLSON, JAMES M.	2,799,169	B.V.	2,855,487
NAKAMURA, KENTARO	2,804,874	OLSTAD, DELANEY MICHAEL	2,974,298	PLUMMER, JESSICA LYNN	2,826,842
NAKAMURA, RYUHEI	2,868,344	OMA, PETER	2,775,506	POET RESEARCH, INC.	2,824,993
NAKAMURA, SOU	2,868,344	ONYEMAUWA, FRANK	2,976,504	POLLARD, ANTHONY	2,873,385
NAKAUCHI, HIROMITSU	2,836,073	OKEZIE	2,776,684	POLLOCK, JOEL	2,865,088
NARDI, ANTONIO	2,836,073	OPHARDT, HEINER	2,931,079	PONSI, LARRY	2,765,604
NARENDRANATH, NEELAKANTAM V.	2,876,965	ORIKASA, TERUO	2,829,082	POPLAWSKY, RALPH	
NASTRI, FLAVIA	2,824,993	OSLOB, JOHAN D.	2,793,087	CHARLES	2,970,503
NEAGU, CONSTANTIN	2,816,808	OSSENDORP, FERDINAND	2,886,282	POPOVIC, BRAHISLAV	2,951,963
NELSON, DWAYNE R.	2,818,706	ANTONIUS	2,965,607	PORTAS, WILLIAM ROBERT	2,852,351
NEOGEN CORPORATION	2,791,117	OTANI, TOMOKAZU	2,848,531	POULSEN, JEFFREY ALAN	2,715,824
NEPOMNIASHCHY, ALEXANDER Y.	2,978,551	OTERA, ISSEI	2,838,410	PRC-DESOTO	
NESTEC S.A.	2,939,099	OTO MELARA S.P.A.	2,760,941	INTERNATIONAL, INC.	2,977,275
NEVALA, WENDY K.	2,877,811	OURY, JEAN-MARC	2,945,033	PRELLWITZ, GREGORY	2,827,863
NEWBY, C. MARK	2,952,424	OUYANG, WEI	2,945,033	PREMIER CROP SYSTEMS,	
NEWTON, MAURICE SYDNEY	2,960,313	OZ, OREN	2,805,425	LLC	2,953,042
	2,917,335	PAASCH, ROBERT W.	2,979,953	PRESIDENT AND FELLOWS	
		PACKER, MARK	2,976,033	OF HARVARD COLLEGE	2,947,292
		PACZKOWSKI, LYLE	2,927,488	PRIMROSE, ROHAN NEIL	2,912,125
		WALTER	2,976,504	PRINOTH S.P.A.	2,822,587
		PALL CORPORATION	2,976,504	PROCARV	2,989,544
		PALL CORPORATION	2,976,504	PROTEIN SIMPLE	2,775,506
				PRZYBILLA, JENS	2,940,087

**Index des brevets canadiens délivrés**  
**23 juillet 2019**

PUN, SHI MING	2,855,487	RUAN, TIEMING	2,958,968	SEYMOUR, GERAINT	2,822,085
QING, ZHISHENG	2,761,682	RUCHTI, TIMOTHY L.	2,849,986	SHADWELL, PETER J.	2,844,011
QIU, JIAN M.	2,927,488	RUDIO, ERWINA	2,960,384	SHAN, CHENG	2,853,003
QUEEN'S UNIVERSITY AT KINGSTON	2,744,123	RUFFINO, ROB	2,844,447	SHARPE, ARLENE	2,947,292
QUINN, MICHAEL VINCENT QUINTANA SOLORZANO, ROBERTO	2,958,968	RUNGGALDIER, MARTIN	2,822,587	SHEERIN, DANIEL PAUL	2,819,660
RABE, THOMAS ELLIOT RAD TECHNOLOGIES INC.	2,949,118	RYMER, TIMOTHY	2,827,863	SHELL INTERNATIONALE RESEARCH	
RADIUS ENGINEERING INC.	2,788,479	RYU, DOO YOUNG	2,943,973	MAATSCHAPPIJ B.V.	2,852,351
RAJAGOPAL, ARUN RAMIREZ, RICHARD L.	2,866,478	S.I.P.A. SOCIETA'		SHENTU, YUANLI	2,991,233
RANKIN, ALASDAIR PATRICK RASMUSSEN, SØREN	2,976,033	INDUSTRIALIZZAZIONE PROGETTAZIONE E		SHERMAN, FAIZ FEISAL	2,949,118
RE-FER AG REBOT, NATALIE ROSANNA REDMAN, ANDREW J.	2,786,393	AUTOMAZIONE S.P.A.	2,838,804	SHI, XIAODONG	2,992,914
REED, THOMAS REGENERON PHARMACEUTICALS, INC.	2,927,290	SAADA, JIM	2,912,125	SHIBAYAMA, KEISUKE	2,973,460
REICHART, EMILY A.	3,013,532	SABLAYROLLES, JEAN	2,863,491	SHIBUYA, TAKAZO	2,868,344
RENNIE, PAUL RESMED PTY LTD	2,908,895	SADAHIRO, HALUKI	2,839,076	SHIMAKURA, TOSHIAKI	2,801,420
REYES ACOSTA, OSVALDO REYES, BLANCA	3,005,079	SAEGER, ROLAND B.	2,871,489	SHINOZAKI, AKIRA	2,980,987
REYNOLDS, SEAN RHODES, NIGEL PETER RIALS, ROSS	3,014,730	SAF-HOLLAND GMBH	2,960,326	SHIOMI, TAKESHI	3,009,601
RHODES, NIGEL PETER RICHM, GEORGE E.	2,715,078	SAFEMINE AG	2,885,095	SHIRAI, SHO	2,973,460
RICHMOND, DONALD ANGUS RICOH COMPANY, LIMITED RIEHL, HEBERT	2,853,836	SAGE PRODUCTS, LLC	2,765,604	SHROFF, GEETA	2,644,922
RINGNECK AND SON, LLC RINTANEN, KARI	2,747,700	SAINANEY, NARAYAN	3,022,764	SHUHAIBAR, CONSTANTINE	2,826,767
RISCHEN, CHRISTIAN RISK, DAVID A.	2,912,125	SAITO, HIROSHI	2,980,093	SI CHUAN UNIVERSITY	2,973,247
RITTAL GMBH & CO. KG RIVENBARK, MITCHELL	2,799,066	SAKAMOTO, MASATO	2,907,403	SIDLE, BRIAN CHARLES	2,966,735
RIXEN, DANIEL ROBERT SAFAVI, ANAHID RODRIGUEZ HERNANDEZ, ANDREA	2,823,747	SALOME, TRISTAN	2,965,332	SIEGEL, WILLIAM L.	2,903,370
RODRIGUEZ, MARGARITA RODRIGUEZ, RIGOBERTO JORGE	2,847,375	SAMPLES, MITCHELL	2,761,682	SIEMENS AKTIENGESELLSCHAFT	2,940,087
ROEDSRUD, GUDBRAND ROETHLE, PAUL ROLLAND, NILS LENNART ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC.	2,951,963	SAMSUNG ELECTRONICS CO., LTD.	2,853,003	SIGNATURE THERAPEUTICS, INC.	2,773,340
ROMAC INDUSTRIES, INC. ROMBOUGH, BUNNIE ROSEMOUNT INC.	2,937,242	SAMSUNG ELECTRONICS CO., LTD.	2,943,973	SIGNORELLI, KATHY L.	2,706,445
ROSENBERG, VICTOR ROSENBERGER HOCHFREQUENZTECHNIK GMBH & CO. KG	2,866,165	SANCHEZ VALENTE, JAIME	2,937,242	SILLIK, FRANCISCO J.	2,993,260
ROSTAMI, SAM ROTELLA, JOHN A.	2,903,370	SANDELIS, DENIS JEAN		SILVERNAIL, CARTER	
ROTHACHER, URS ROYON, ARNAUD	2,802,977	MAURICE	2,848,629	MARTIN	2,886,491
SEARLE, GARY SEEFRIED, JEFFREY P.	2,867,172	SANDER, SEBASTIAN	2,985,290	SINGER, SCOTT BENJAMIN	2,904,561
SEKIGUCHI, SHUNICHI SELGA, ARIADNA SENEE, LAURENT	2,874,409	SANO, YOSHIHIKO	2,993,289	SINGH, AMARNAUTH	2,927,488
SEKISUI CHEMICAL CO., LTD. SELSIMED SA	2,926,202	SAPULA, MAREK TOMASZ	2,912,125	SINTON, DAVID A.	2,929,635
SERAFIN, DANIEL JOHN SEROOGY, JULIE D.	2,837,746	SARUHASHI, TOMOKAZU	2,868,344	SJOEDE, ANDERS	2,802,977
SERVICE NOW, INC.	3,006,222	SASMAL, PRADIP KUMAR	2,953,177	SKIDATA AG	2,914,077
SERVICENOW, INC.		SATO, KO	3,030,540	SKIDATA AG	2,953,044
SEURAT, CLAUDETTE SERRA, MARINA		SAWADA, IKUO	2,868,344	SLADE, DAVID EWELL	2,817,486
SEYMOUR, GERAINT SHADWELL, PETER J.		SAWAGUCHI, WATARU	2,980,987	SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH	
SHEN, YUANLI SHERMAN, FAIZ FEISAL		SAWASKI, JOEL D.	2,913,613	SMANIOTTO, ANNA	2,834,696
SHIBAYAMA, KEISUKE SHIBUYA, TAKAZO		SCHALLER, CHRISTIAN	2,932,502	SMETHAM, GRANT	2,876,965
SHIMAKURA, TOSHIAKI SHINOZAKI, AKIRA		SCHENK, MARIO	2,940,087	SMI S.P.A.	2,811,947
SHIRAI, SHO SHUHAIBAR, CONSTANTINE		SCHIFFRIN, EDUARDO	2,877,811	SMITH, TIMOTHY RAYMOND	2,745,115
SHROFF, GEETA SI CHUAN UNIVERSITY		SCHLAPBACH, ANDREA		SMITH & NEPHEW PLC	2,976,721
SHUHAIBAR, CONSTANTINE SIERRA, MARINA		BORIS	2,885,095	SMITH, ALAN	2,852,537
SIGNATURE THERAPEUTICS, INC.		SCHLECHTER, THOMAS	2,953,044	SMITH, PAUL D.	2,920,424
SIGNORELLI, KATHY L.		SCHLUMBERGER CANADA LIMITED	2,886,682	SMITH, TIMOTHY RAYMOND	2,844,720
SILLIK, FRANCISCO J.		SCHOLZ, PETER	2,791,685	SNECMA	2,848,629
SILVERNAIL, CARTER		SCHUSSLER, UDO	2,911,284	SNELLMAN, LARS	2,827,213
SLADE, DAVID EWELL		SCHUSSLER, JEFFREY R.	2,761,682	SNOW, JOHN MICHAEL	2,912,125
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH		SCIENTIFIC GAMES HOLDINGS LIMITED	2,967,211	SOBRAL, LUIS	2,863,772
SMANIOTTO, ANNA SMETHAM, GRANT		SEARLE, GARY	2,958,968	SOLENIS TECHNOLOGIES CAYMAN, L.P.	2,939,614
SMETHAM, GRANT SMI S.P.A.		SEEFRIED, JEFFREY P.	2,715,824	SONG, GANG	2,979,572
SMI S.P.A.		SEKIGUCHI, SHUNICHI	2,961,824	SONG, IL-KEUN	2,884,384
SMITH, TIMOTHY RAYMOND SMITH, ALAN		SEKISUI CHEMICAL CO., LTD.	2,863,491	SONY CORPORATION	2,819,660
SMITH & NEPHEW PLC SMITH, PAUL D.		SELGA, ARIADNA	2,823,747	SONY PICTURES	
SMITH, ALAN SMITH, PAUL D.		SENSIMED SA	2,822,353	TECHNOLOGIES INC.	2,819,660
SMITH, PAUL D.		SENSIMED SA	2,871,090	SOPER, ROBIN	2,785,541
SMITH, PAUL D.		SENSOBRIGHT INDUSTRIES, LLC	3,023,873	SOTO, ROBERTO	2,844,365
SMITH, PAUL D.		SERAFIN, DANIEL JOHN	2,970,503	SOUCY INTERNATIONAL INC.	2,757,049
SMITH, PAUL D.		SEROOGY, JULIE D.	2,773,340	SPANHOLTZ, JAN	2,682,243
SMITH, PAUL D.		SERVICENOW, INC.	2,974,644	SPENCE, DAVID A.	2,967,611
SMITH, PAUL D.				SPONCHIA, BARTON	2,886,682

**Index of Canadian Patents Issued**  
**July 23, 2019**

SPRINT COMMUNICATIONS COMPANY L.P.	2,976,033	TEREX GB LIMITED	2,851,674	VAN BEUSEKOM, SHIMAIRA	2,857,247
SREEKRISHNA, KOTI TATAR CHAR	2,981,612	TEUNISSEN, ALOYSIUS WILHELMUS	2,857,247	VAN'T SCHIP, JOANNES STEFANUS	2,780,531
ST. CLAIR, LUKE STADLER, TOBIAS	2,899,242	THALES	2,799,339	VANDERHAEGEN, JAMES VANDELDE, ANNELIES	2,965,332 2,850,897
STAMMEL, THOMAS STANDARD TEXTILE CO., INC.	2,883,839	THE AUSTRALIAN NATIONAL UNIVERSITY	2,915,880	VASILIEV, MIKHAIL VAST POWER PORTFOLIO, LLC	2,837,746 2,799,482
STATOIL PETROLEUM AS STECZKO, JANUSZ STEFFENS, JEFF STEGEMAN, GERRIT, JAN STEGMAIER, PETER ARNOLD STEINER, JAMES P.	2,875,125	THE BOEING COMPANY	2,904,561	VDOVINA, TETYANA VEAZEV, RHAD	2,972,033 2,965,024
STEINIG, SUSANNE STELFORD, MARK WILLIAM STEPHENS, ROSS WENTWORTH STEWART, GREGORY R.	2,724,784	THE PROCTER & GAMBLE COMPANY	2,968,157	VERTEX PHARMACEUTICALS INCORPORATED	2,794,559
STEWART, RICHARD STICHTING VOOR DE TECHNISCHE WETENSCHAPPEN STO SE & CO. KGAA STOUTAMIRE, MARK STRUNK, JORDAN STURM, MICHAEL SUGENO, NAOYUKI SUGIMOTO, KAZUO SUMITOMO CHEMICAL COMPANY, LIMITED SUMITOMO METAL MINING CO., LTD.	2,765,604	THE PROCTER & GAMBLE COMPANY	2,949,118	VERZINI, MASSIMO VIDEOLINK LLC	2,876,965 2,768,258
SUN, RONG SUN, SHIJUN SUN, WENDELL SUR, KUNAL SURKAU, REINHARD SUTTON, JAMES SUUTARLA, HANNA TADANO, SHIGERU TAGLIAFERRI, FRANK TAIRA, YASUHISA TAKAI, KEN TAKAMI, NOBUO TAKAYAMA, NAOYA TAKEDA, RYO TAKEYA USA CORPORATION TAM, YUN KAU TANAKA, RYOTA TANAKA, YUTA TANG, YAXUN TAVERN, SYDNEY TAYLOR, CHARLES DAVID TEBBE, JAN TECHNISCHE UNIVERSITEIT DELFT TEHIM, ASHOK TEIJIN PHARMA LIMITED TEKNI-PLEX, INC.	2,783,685	THE SCRIPPS RESEARCH INSTITUTE	2,981,612	VIEGA TECHNOLOGY GMBH & CO. KG	2,977,266
TEMPO ANALYTICS INC. TEMTEM MARCIO TENG, HOULEI	2,795,042	THE UNIVERSITY OF TOKYO THERMO SCIENTIFIC PORTABLE ANALYTICAL INSTRUMENTS INC.	2,957,372	VIRNELSON, BRUCE VIRR, ALEXANDER	2,977,275 2,912,125
	2,915,880	THINK TANK PHOTO, INC.	2,969,683	VISA INTERNATIONAL SERVICE ASSOCIATION	2,786,271
	2,998,603	THIVIERGE, ALAIN THOMPSON, JOHN THOMPSON, MICHAEL D.	2,854,782	VITTUR, BRANDON VLASIC, DANIEL	2,963,758 2,840,434
	2,790,391	THOMPSON, MICHAEL D.	2,788,479	VOGLER, MICHAEL	2,865,088
	2,793,087	THYPARAMBIL, SHEENO TITEFLEX CORPORATION	2,895,202	VOLLMANN, MARKUS VOLPICELLI, RAFFAELLA	2,911,284 2,876,965
	2,932,502	TITUS, NOEL	2,967,611	VOLTALIS	2,838,410
	2,840,601	TIWARI, SHISHIR TO, CHUN YUEN	2,785,469	VORA, TEJAS	3,022,764
	2,850,739	TOFT, ALEXIS JOHN	2,850,739	VOTSMEIER, CHRISTIAN	2,791,685
	2,854,782	TOHYAMA, HARUKAZU	2,893,289	VUIDEPOT, ANNELINE	
	2,915,579	TOLIA, GAURAV	2,852,537	BRIGITTE	2,968,393
	2,961,824	TONNIES ISI PATENT HOLDING GMBH	2,958,504	WAKELING, TIM	2,890,144
	2,772,236	TORNBLOM, MICAEL	2,850,717	WANDERS, BERNARDUS	
	2,973,460	TORTORELLA, STEVAN PAUL	2,822,085	FRANCISCUS MARIA	2,828,362
	2,969,683	TOSHIBA INTERNATIONAL CORPORATION	2,966,735	WANG, PAUL	2,974,644
	3,011,691	TRANTOUL, FRANCOIS	2,760,475	WANG, PEIDONG	2,969,683
	2,965,484	TRACY, BRIAN	2,937,204	WANG, XIAOBO	2,760,941
	2,849,986	TRANSLOGIC CORPORATION	2,970,503	WANG, ZHUOZHI	2,791,685
	2,953,044	TRANTOUL, FRANCOIS	2,907,503	WASIELEWSKI, RAY C.	2,977,574
	2,834,696	TREVOR-WILSON, DUNCAN LOVEL	2,912,125	WEATHERFORD TECHNOLOGY HOLDINGS, LLC	2,974,298
	2,827,213	TROELLSCH, ARNE	2,962,092	WEAVER, GREG G.	2,991,233
	2,993,289	TROJAN TECHNOLOGIES	2,864,938	WEBER, BENEDIKT	2,908,895
	2,852,537	TROPICLAS TECHNOLOGIES LTD	2,837,746	WEH, WALTER	2,932,502
	3,030,540	TUSZYNSKI, JACK ADAM	2,672,408	WEHMEIER, LARS	2,978,242
	2,868,344	TURNBULL, NEIL H.R.	2,772,236	WEI, JUN	2,761,682
	2,957,255	TURNBULL, NEIL H.R.	2,818,817	WEI, YUQUAN	2,973,247
	2,836,073	TSUDA, NAOKI	2,672,408	WEINGARTEN, OREN P.	2,939,099
	2,993,289	ULRICH, THOMAS	2,856,336	WELCH, SIAO-KUN WAN	2,817,486
	2,934,181	TYRRELL-BAXTER, FORREST JOHN	2,937,242	WEMBLEY INNOVATION LTD	2,892,704
	2,672,408	UNION PACIFIC RAILROAD COMPANY	2,800,880	WESEMAN, KURT R.	2,991,233
	3,025,767	UNIVERSIDAD POLITECNICA DE VALENCIA	2,937,242	WHEELOCK, BRENT D.	2,846,317
	2,965,607	UNIVERSITE BORDEAUX 1	3,006,222	WHITE, ARTHUR H.	2,946,485
	2,972,033	UNIVERSITE PIERRE ET MARIE CURIE (PARIS 6)	2,837,867	WHITE, CHRISTOPHER	2,827,863
	2,966,448	UVIC INDUSTRY PARTNERSHIPS INC.	2,982,943	WHITECHURCH, TIMOTHY	2,816,483
	3,010,868	VALTARI, KAI	2,929,635	WHITESIDE, THERESA L.	2,706,445
	2,791,685	VAN ALFEN, JAN	2,827,213	WHITNEY, RYAN N.	2,946,485
	2,847,375	VAN ALFEN, JAN	2,855,487	WHITTON, TINA	2,966,448
	2,953,177	WILDES, PETER M.		WILD, PETER M.	2,929,635
	2,804,874	WILKES, THOMAS		WILKINSON, BRADLEY M.	2,960,313
	2,786,393	WILKINS, ROBERT L.		WILLIAMS, ROBERT L.	2,973,065
	3,014,365	WILLIAMS, ROBERT L.		WILLIAMS, ROBERT L.	2,973,067
	2,863,772	WILLIS, LEIGH		WILLIS, LEIGH	2,768,258

**Index des brevets canadiens délivrés**  
**23 juillet 2019**

WILLYARD, RICHARD A.	2,845,864	ZIMMER KNEE CREATIONS, INC.	2,884,468
WILT, MICHAEL J.	2,937,204	ZIMMERMAN, CRAIG	2,819,850
WINRAM, JOHN	2,907,885	ZIMMERMAN, DENNIS A.	2,850,537
WISHNEY, ADAM	2,943,973	ZLOBEC, SANRO	2,886,282
WISMER, JEAN-MARC	2,871,090	ZOETIS SERVICES LLC	2,817,486
WOBBEN PROPERTIES GMBH	2,878,335	ZOPPAS, MATTEO	2,838,804
WOBST, NINA	2,791,685	ZUBIAURRE LODOSO, LUIS MARIA	2,881,506
WOLF, JOHN C.	2,886,682	ZUREX PHARMA, INC.	2,724,784
WOO, SANGWOO	2,947,013		
WORLD WIDE DAILY HOLDINGS COMPANY LIMITED	3,012,323		
WRAY, JONATHAN W.	2,773,340		
WU, WEI	2,970,561		
XGENE PHARMACEUTICAL INC.	2,740,087		
XI, BIAO	2,760,941		
XIAO, YUFANG	2,818,706		
XIE, JIAN	2,836,466		
XING, LIJUAN	2,866,165		
XING, WENZHONG	2,990,296		
XU, FENG	2,740,087		
XU, HE	2,916,468		
XU, XIAO	2,760,941		
YAGUCHI, TATSUYA	3,009,601		
YAMAASHI, KAZUHIKO	2,907,983		
YAMABE, JUNJI	2,957,255		
YAMADA, TSUTOMU	2,941,999		
YAMAMOTO, MASAHIRO	2,868,344		
YAMANOBE, TETSURO	2,980,093		
YAMASAKI, RYOTA	2,941,999		
YAMAZAKI, TETSUSHI	3,009,601		
YANG, DI	2,972,033		
YANG, FAN	2,992,914		
YANG, HANBIAO	2,829,082		
YANG, HONG	2,960,384		
YANG, SHENGYONG	2,973,247		
YE, XIAOYI	2,974,644		
YEE, ARTHUR KIN-WAI	2,912,125		
YHUEL, GREGORY	2,817,027		
YOSHIMURA, HAJIME	2,958,990		
YOUASF, MUHAMMAD NAVEED	2,776,618		
YU, RICHARD HUNG CHIU	2,960,384		
YUN, SANG-YUN	2,884,384		
YUSUF, SHAFFEEK ALLEEM	2,883,446		
ZACCHE', VANNI	2,745,115		
ZAHARIA, CRISTIANA A.	2,829,082		
ZAIKEN, ELIOT	2,958,968		
ZEON CORPORATION	2,907,403		
ZHANG, BEILI	2,794,559		
ZHANG, JINGZHUO	2,970,561		
ZHANG, LI	2,853,836		
ZHANG, LIN	2,990,296		
ZHANG, XIANG	2,992,914		
ZHANG, XUEZHONG	2,879,353		
ZHANG, YUEGANG	2,794,559		
ZHANG, YUQIANG	2,990,296		
ZHAO, LIANG	2,996,965		
ZHENG, CHU RAN	2,977,275		
ZHOU, XIANGDONG	2,932,194		
ZHU, REIYAO	2,845,233		
ZHU, REIYAO	2,845,514		
ZIJSLING, DJURRE HANS	2,852,351		

# Index of Canadian Applications Open to Public Inspection

July 7, 2019 to July 13, 2019

## Index des demandes canadiennes mises à la disponibilité du public

7 juillet 2019 au 13 juillet 2019

101288550 SASKATCHEWAN LTD.	2,991,348	BELANGER, CAMIL	3,029,844	COMCAST CABLE
1304338 ALBERTA LTD.	2,991,667	BELLISE, ANDREW J.	3,027,411	COMMUNICATIONS, LLC
1304342 ALBERTA LTD.	2,991,667	BENDA, NELS E.	3,029,938	COMCAST CABLE
7564236 CANADA INC.	3,030,892	BERTRAND, LUDOVIC	3,029,583	COMMUNICATIONS, LLC
ABDELSAMIE, AHMED	3,029,368	BESWICK, RICHARD	3,023,752	CONSEIL SERVICE
ABL IP HOLDING LLC	3,029,366	BHANSALI, ANIL		INVESTISSEMENTS
AFTON CHEMICAL CORPORATION	3,029,500	PURSOTTOM	3,028,915	CONSOLIDATED RIG WORKS,
AIR LIQUIDE MEDICAL SYSTEMS	3,023,591	BIOSENCE WEBSTER (ISRAEL) LTD.	3,029,526	LP
AIR LIQUIDE MEDICAL SYSTEMS	3,024,430	BIOSENSE WEBSTER (ISRAEL) LTD.	3,028,908	COVIDIEN LP
AIRBUS HELICOPTERS	3,041,753	BIOSENSE WEBSTER (ISRAEL) LTD.	3,028,908	CRAIG, JOHN A.
AIRBUS OPERATIONS GMBH	3,027,070	BISHOP, DONALD P.	3,029,232	DAHLGREN, LYLE J.
AIRBUS OPERATIONS GMBH	3,028,292	BLACKBERRY LIMITED	3,028,195	DALLI, SAI S.
ALBERTA CENTRE FOR ADVANCED MNT PRODUCTS	3,029,499	BLACKBERRY LIMITED	3,028,555	DATTA, KESHAVA
ALKADI, NASR	3,028,805	BLANCHARD, SIMON	3,029,556	DATTA, KESHAVA
ALLIED TUBE AND CONDUIT CORPORATION	3,029,224	BORDIN, DENNIS	3,029,221	DELAILLE, ARNAUD
ANATIS BIOPROTECTION	2,991,499	BRAIME, NICHOLAS	3,029,367	DELAILLE, BENJAMIN
ANNIS, KYLE GARY	3,028,885	BRENNER, MATS ANDERS	3,029,221	DELONG, RYAN
APEX HEALTH CARE MFG. INC.	2,991,732	BRENNER, MATS ANDERS	3,029,367	DELTA 9 BIO-TECH INC.
ARBUTHNOT, WILLIAM	2,991,570	BRENNER, WILLIAM	3,029,357	DIEHL AEROSPACE GMBH
ARBUTHNOT,JOHN	2,991,570	BRICKLIN, NATHAN CRAIG	3,022,081	DIETRICH, DAVE
ARCOUETTE, GAUTIER	2,991,560	BRICKLIN, NATHAN CRAIG	3,028,916	DINAN, ESMAEL
ARCOUETTE, GAUTIER	2,991,592	BRIZEL, KEN	3,029,703	DINAN, ESMAEL
ARCOUETTE, GAUTIER G. A.	2,991,563	BROWN, CARL	3,029,369	DINAN, ESMAEL
ARMSTRONG, TYLER	2,991,220	BROAN-NUTONE LLC	3,029,707	DINAN, ESMAEL
AUSTIN, KELLY RUTH	3,028,915	CARTER, CHAD	3,029,499	DOBSON, TERENCE W.
AUTOLUS LIMITED	3,023,752	CARRIER CORPORATION	3,029,221	DONALDSON, IAN W.
AXCEN PHOTONICS CORP.	2,991,669	CAPITAL ONE SERVICES, LLC	3,029,733	DORIS, ERROL S., SR.
BABAEI, ALIREZA	3,029,372	CARTER, CHAD	3,025,599	DOUGLASS, ROBERT
BABAEI, ALIREZA	3,029,574	CHAN, EMMA	3,023,752	STEPHEN
BABAEI, ALIREZA	3,029,818	CHARGER INDUSTRIES CANADA LP	3,029,277	DURO DYNE CORPORATION
BABAEI, ALIREZA	3,029,946	CHAU, THOMAS TAK KIN	3,041,687	DUSA PHARMACEUTICALS,
BACCHI, LORENZO	3,011,994	CHEN, YI-MING	3,029,352	INC.
BACCHI, STEVEN	3,011,994	CHENG CHEN, PAO-CHIN	3,029,714	DYNATECT
BACHHUBER, MARTIN	3,029,613	CHENG, YUAN-LIN	3,025,599	DYNAUFACTURING, INC.
BADAT, BILAL	3,023,591	CHOI, JIN YOUNG	2,991,457	EATON INTELLIGENT POWER
BADAT, BILAL	3,024,430	CIRIK, ALI	2,991,220	LIMITED
BADKOUBEH, AMIR	2,991,725	CLARK, ALYSEN	3,028,795	EATON INTELLIGENT POWER
BAMGUIDE, RITESH	3,028,781	CLARK, ALYSEN	2,991,350	EBERSPACHER CLIMATE
BANDS, CLIVE	3,029,368	CLARK, KEVIN	3,029,372	CONTROL SYSTEMS
BAR-TAL, MEIR	3,028,909	CLARK, KEVIN	2,991,525	GMBH & CO. KG
BARAKAT, WAYNE	3,029,369	COHOON, WILLIAM	3,029,640	3,029,303
BARAM, ALON	3,028,909	COMCAST CABLE	2,991,669	EISLER, KURTIS
BARKAS, SOTIRIOS K.	3,029,717	COMCAST CABLE	3,029,640	2,991,205
BASU, ANIRVAN	3,029,583	COMCAST CABLE	2,991,525	ELI INTERNATIONAL
BAZIN, FREDERIC	3,029,221	COMCAST CABLE	3,029,640	ENTERPRISE CO., LTD.
BEAGEN, JOSEPH	3,029,224	COMCAST CABLE	3,029,599	2,991,457
BEGG, NIKOLAI	3,026,908	COMCAST CABLE	3,029,312	ELMER, WILLIAM G.
		COMMUNICATIONS, LLC	3,029,574	3,028,055
		COMMUNICATIONS, LLC	3,029,372	ELMESSIDI, ASHRAF O.
		COMMUNICATIONS, LLC	3,029,574	3,029,938
		COMMUNICATIONS, LLC	3,029,574	ERKKILA, ZACHARY R.
		COMMUNICATIONS, LLC	3,029,574	ERVA, AUSTIN K.
		COMMUNICATIONS, LLC	3,029,574	3,029,938
		COMMUNICATIONS, LLC	3,029,574	ESFAHANY, SIAMAK A.
		COMMUNICATIONS, LLC	3,029,574	3,029,499

## Index des demandes canadiennes mises à la disponibilité du public

7 juillet 2019 au 13 juillet 2019

ESTEVES, ALEX R.	2,991,512	HUTCHENS, SCOTT	3,028,555	MARTIN, ANDREW MONROE	3,028,885
EWING, JAMES	3,029,373	HUTCHENS, SCOTT	3,028,556	MCCORMICK, COLIN	3,029,354
FACCHINELLO, JEROME	3,025,599	IMBERT, NICOLAS	3,041,753	MCGINN, KATHLEEN E.	3,029,707
FARMAHINI, MOIEN	3,028,805	INGLIS, DAVID ALAN	3,028,555	MCKENDREE FULKS, CALEB	
FAULKNER, JAMES	3,023,752	INGLIS, DAVID ALAN	3,028,556	EVERETT	3,041,687
FDK CORPORATION	3,010,663	ISMERT, DOMINIC P.	3,029,615	MCTAVISH, DON	3,030,892
FOLTAN, STANISLAV	3,029,454	IZAWA, HIDEO	3,011,405	MICHAEL, JULIUS	2,991,703
FOX, DAVID	3,029,354	IZDEBSKA, KATARZYNA	3,029,368	MICHAUD, STEPHANE	3,029,221
FOX, KEITH	2,991,193	IZUMI, YOSHIKAZU	3,010,663	MILLAR, MACKENZIE	2,991,667
FOX, LAURA	2,991,193	JACKSON, NICHOLAS	3,029,527	MILLER, RYAN BENJAMIN	3,029,707
GAARDER, ROBERT	3,025,599	JADRANKA, MEAD	3,021,168	MIN, RUI	3,029,312
GAMTEC INTERNATIONAL LIMITED	3,011,994	JARVIS, ANTHONY	3,029,500	MIRACLE, GREGORY SCOT	3,042,081
GARDEN, ALEXANDER JOHN	3,024,632	JCDECAUX SA	3,029,454	MIRANDA, DARIUS A.	3,029,717
GAUTHIER, PASCAL	2,991,499	JEBL LTD	3,029,583	MIU, MICHAEL	3,029,366
GE OIL & GAS COMPRESSION SYSTEMS, LLC	3,028,805	JEON, HYOUNGSUK	3,029,372	MIYAKOSHI PRINTING	
GIBERT, GAUTHIER	3,041,753	JEON, HYOUNGSUK	3,029,574	MACHINERY CO., LTD.	3,011,405
GIBSON, DANIEL	2,992,493	JEON, HYOUNGSUK	3,029,818	MOECK, GERHARD	3,029,801
GKN SINTER METALS, LLC	3,028,195	JOHNSON, BLAIR M.	3,029,946	MOLNAR, KAROL	3,029,454
GLEIM, RONALD	2,991,231	JOHNSON, ERIC J.	3,029,617	MOROZ, SARA	2,991,525
GOBBI, ALESSANDRO	2,991,613	JOHNSON, MOLLY	3,029,366	MOROZ, SARA	3,029,640
GONZALEZ, MARCOS	3,029,289	JONES, CHAD H.	3,029,352	MONDEL, KAREL	3,029,454
GOODWIN, CARL C.	2,991,177	KALABOUKIS, CHRIS	3,029,289	MUSIL, MARTIN	3,022,081
GUERTIN, PAUL	3,029,714	THEODORE	3,029,707	MUSIL, MARTIN	3,028,916
GUMPRO DRILLING FLUIDS PVT. LTD.	3,028,781	KAMOV, DRAGOMIR	3,029,454	MYRDEN, ANDREW	2,991,350
GUTTADAURO, MICHAEL	3,029,792	KAZEMPOOR, PEJMAN	3,028,805	NEFEDOV, NIKOLAI	3,020,971
HAIDER, SHAHID ABBAS	3,029,683	KEENE BUILDING PRODUCTS	3,029,683	NGUYEN, THANH	3,028,908
HANSEN, GREGORY JOHN	3,029,707	CO., INC.	2,992,493	NGUYEN, THANH	3,029,232
HARDING, MATTHEW D.	3,028,195	KEENE, JAMES R.	2,992,493	NGUYEN, THANH	3,029,526
HAVEL'S INC.	3,029,670	KEWELL, BRENT W.	2,991,335	O'BRIEN, JAY	3,029,421
HEDLUND, MICHAEL A.	3,029,617	KHAN, ADNAN	3,029,707	OGINO, HIROYUKI	3,010,663
HENDSBEE, ARTHUR D.	3,029,416	KHAN, KALIMULLA	3,029,454	OLDROYD, ORSYOLA	3,029,369
HER MAJESTY THE QUEEN IN RIGHT OF CANADA, AS REPRESENTED BY THE MINISTER OF INDUSTRY THROUGH THE COMMUNICATIONS RESEARCH CENTRE CANADA	3,029,721	KHELIFI, MOHAMED	2,991,499	ONTARIO POWER	
HEXEMER, RICHARD L., JR.	3,028,195	KIROV, CHAVDAR	3,029,454	GENERATION INC.	3,029,368
HNI TECHNOLOGIES INC.	3,029,354	KLASSEN, JASON	2,991,728	OOYAMA, KOICHI	3,011,405
HOANG, VIET	3,029,499	KOENIGSEGG AUTOMATIVE	3,029,731	ORELLO HEARING	
HOLLAND BLOORVIEW KIDS REHABILITATION HOSPITAL	2,991,350	AB	3,029,352	TECHNOLOGIES INC.	2,991,703
HOME DEPOT INTERNATIONAL, INC.	3,029,527	KOEPPEL, ADAM	3,029,617	OUELLET, THEO	3,029,036
HONEYWELL INTERNATIONAL INC.	3,022,081	KOFSTAD, CODY S.	3,029,617	PARE, QUENTIN	
HONEYWELL INTERNATIONAL INC.	3,028,916	KOTSOPOLOU, EKATERINI	3,023,752	PARK, KYUNGMIN	2,991,220
HONEYWELL INTERNATIONAL INC.	3,029,454	KRAMER, GORDON M.	3,029,740	PARK, KYUNGMIN	3,029,372
HONIG, MICHAEL	3,029,733	KRUPNICK, DAVID B.	3,027,411	PAULSON, MURRAY	3,029,946
HOWE, WILLIAM TYLER	3,029,224	KUATSJAH, EUNICE	2,991,703	PEPPEL, KEITH W.	3,029,499
HUANG, CHI-CHUNG	2,991,732	KUICZYK, WOJCIECH	3,029,617	PERRY, ROBERT	3,029,617
HUMBERG, MICHAEL	3,029,303	KONRAD	3,029,373	PETTICONE, CARLOTTA	3,029,352
HUNDEBY, DAVID R.	2,991,172	KUSHNER, KRISTINE ING	3,029,369	PFISTER, WOLFGANG	3,023,752
HUNDEBY, DAVID R.	2,991,188	LAFLECHE, SEBASTIEN	3,029,721	POLARIS INDUSTRIES INC.	3,029,303
HUNNIFORD, TROY T.	2,991,755	LAKEHEAD UNIVERSITY	2,991,386	POWERUP	3,029,617
HURLEY, THOMAS	3,028,805	LAUGEN, JESSE J.	3,029,617	PRATT & WHITNEY CANADA	2,991,194
		LE VANN, BRIAN EDWARD	3,041,687	CORP.	
		LEE, YON W.	3,029,717	PRIOUR, JOSSELIN	3,029,036
		LEE, YUNG UNG	3,029,369	PROGRESS PROFILES SPA	2,991,194
		LEIGHTON, ANDREA RENEE	3,029,369	PSI TECHNOLOGIES INC.	3,029,367
		LEWIS, JOHN	3,028,795	PULE, MARTIN	2,991,725
		LI, WEI	3,029,721	QADERI, HASHIM	
		LOCKE, TYLER	3,029,352	MOHAMMAD	3,028,555
		LOURENCO, JOSE	2,991,667	QADERI, HASHIM	
		LU, MIN-HAO MICHAEL	3,029,366	MOHAMMAD	3,028,556
		LUEDTKE, MICHAEL	3,028,292	RABEMAROLAHY,	
		LUNDAHL, SCOTT	3,029,792	RIANTSOA	3,041,753
		LYDALL, INC.	3,028,795	RAKSHIT, SUDIP K.	2,991,386
		MAHDI, ABBAS	2,991,725	RAO, ANAND	3,028,908

**Index of Canadian Applications Open to Public Inspection**  
**July 7, 2019 to July 13, 2019**

RAO, ANAND	3,029,232	THE PROCTER & GAMBLE COMPANY	3,042,081
RAO, ANAND	3,029,526	THE TORONTO-DOMINION BANK	3,029,369
RAWSON, DALE	3,027,655	THE TORONTO-DOMINION BANK	3,029,707
REIMER, JOHAN	3,028,755	THE TORONTO-DOMINION BANK	3,029,717
RESTECH S.R.L.	2,991,613	THOMSON REUTERS (TAX & ACCOUNTING) INC.	3,020,971
RHODRIQUEZ, MARRIA	3,029,717	TODOROVA, SILVIA	2,991,499
RHODRIQUEZ, WAIRNOLA MARRIA	3,029,369	TSAI, WU HSIEN	3,029,670
RHODRIQUEZ, WAIRNOLA MARRIA	3,029,707	TULL, DAVID	3,029,354
RICHARD, JEAN-CHRISTOPHE	3,023,591	TURNER, NIGEL	3,029,373
RICHARD, JEAN-CHRISTOPHE	3,024,430	UNIVERSITE LAVAL	2,991,499
RIEDEL, CHRISTIAN	3,027,070	UNKNOWN	2,991,177
RIEDEL, CHRISTIAN	3,028,292	UNKNOWN	2,991,188
RIGOLLOT, MARCEAU	3,023,591	UNKNOWN	2,991,335
RIGOLLOT, MARCEAU	3,024,430	UNKNOWN	2,991,512
ROSS, MATTHEW	3,029,500	UTI LIMITED PARTNERSHIP	3,029,416
ROSSETTO, PATRICK	3,027,411	UTKIN, ILYA	3,029,499
SAAVEDRA VILLANUEVA, SERGIO PABLO	2,991,759	VALENCIA, JAVIER	3,029,719
SAINI, NIRAV	2,991,447	VAN SLOOTEN, JEFF	3,029,527
SAKIYAMA, RYOU	3,010,663	VASATKA, JAMES E.	3,021,168
SALEHIAN, KHALIL	3,029,721	VERRIER, PIERRE	3,029,036
SAMARA, CARMEN	3,029,224	VITTIMBERGA, PAUL	3,029,369
SASAKI, AYUMU	3,011,405	VON KOENIGSEGG, CHRISTIAN	3,029,731
SASAYAMA, NAOHARU	3,010,663	WADSWORTH, THOMAS A.	3,010,663
SCHACHAR, IRA H.	3,024,244	WANG, HONGCHENG	3,029,312
SCHACHAR, RONALD A.	3,024,244	WELCH, GREGORY C.	3,029,416
SCHIPPER, BRIAN	3,022,081	WERBICKI, WESLEY	3,027,655
SCHIPPER, BRIAN	3,028,916	WESTON AEROSPACE	
SCHMID, FRANK	3,029,613	LIMITED	3,029,373
SCRUPA, CHRIS	2,991,725	WIGHT, JASON	3,029,368
SELKEE, THOMAS	3,028,908	WILEN, COREY	3,029,740
SELKEE, THOMAS	3,029,232	WILLIS, EDWARD SNOW	3,028,555
SELKEE, THOMAS	3,029,526	WILLIS, EDWARD SNOW	3,028,556
SENECAL, JOSEPH ALBERT	3,029,714	WIOPEN PRODUCTS LC	3,029,740
SHAMASUNDAR, RAGHU	3,029,454	WINKLE, WILBUR PAUL, III	3,025,599
SIGAL, ALONA	3,028,909	WONG, ALEXANDER	
SIGNATURE SYSTEMS GROUP, LLC	3,029,289	SHEUNG LAI	3,029,683
SINGH, ANILKUMAR	3,028,781	WRIGHT, JOHN	3,029,717
SIVARATRI, MAHESH	3,029,454	WU, YIYAN	3,029,721
SMAZOV, ABDURAKHMAN	2,991,703	XIONG, TAO	3,029,292
SPISAK, THOMAS WALTER	3,029,719	XIONG, TAO	3,029,293
ST-ONGE, MYLENE	2,991,499	YANG, LIN	3,029,292
STATERRA INC.	2,991,525	YANG, LIN	3,029,293
STATERRA INC.	3,029,640	YANG, RONALD H.	3,029,369
SUEN, DARRELL L.	3,029,717	YEUNG, ANDREW	3,029,500
SUNCOR ENERGY INC.	2,991,728	ZAKARAS, JAMES	3,029,352
SUPERIOR MARINE PRODUCTS LLC	3,029,938	ZHANG, FENGGUO	3,029,292
SWARTZ, GARY I	3,026,541	ZHANG, HAIDONG	3,029,293
T.F. & J.H. BRAIME (HOLDINGS) LIMITED	3,029,357	ZHANG, LIANG	3,029,721
TAKEI, MITSUHIRO	3,010,663	ZHANG, SHIFANGN	3,029,293
TE CONNECTIVITY CORPORATION	3,028,885	ZHANG, XIANZHEN	3,029,292
TECTUM HOLDINGS, INC.	3,025,599	ZHOU, HUA	3,029,372
TEREX USA, LLC	3,029,719	ZHOU, HUA	3,029,574
THACKSTON, KEVIN MICHAEL	3,028,885	ZHOU, HUA	3,029,818
THAKUR, SWAPNIL	3,028,781	ZHUANG, CHUANCHUAN	3,029,946
THE BOEING COMPANY	3,021,168		3,029,292

# Index of PCT Applications Entering the National Phase

## Index des demandes PCT entrant en phase nationale

3EFLOW AB	3,048,509	ARRIS ENTERPRISES LLC	3,048,426	BEAUDET, JASON G.	3,048,224
3EFLOW AB	3,048,526	ARROWHEAD PHARMACEUTICALS INC.	3,048,661	BEAUPREZ, JOERI	3,048,521
3M INNOVATIVE PROPERTIES COMPANY	3,047,977	AS AMERICA, INC.	3,048,642	BECK, CHASEN SCOTT	3,047,984
3M INNOVATIVE PROPERTIES COMPANY	3,048,368	ASCUS BIOSCIENCES, INC.	3,048,246	BEIDAS, BASSEL F.	3,048,100
A & A INTERNATIONAL, LLC	3,048,231	ASCUS BIOSCIENCES, INC.	3,048,247	BELLAR, JASON	3,048,623
ABAITANCEI, HORIA	3,048,231	ASHLEY, SCOTT	3,048,248	BELLINVIA, SALVATORE	3,048,334
ABBING, ERIK	3,048,509	ASHTON, KATE	3,048,038	BENDIX COMMERCIAL VEHICLE SYSTEMS LLC	3,046,776
ABBING, ERIK	3,048,526	ATEA PHARMACEUTICALS, INC.	3,048,217	BENNING, CHRISTOPHER	3,048,487
ABBOTT, RYAN	3,048,619	ATKINS, ARIEL	3,048,248	BENSTEAD, EVAN	3,047,984
ABE, KEIETSU	3,048,176	AUSTIN, JAMES MATTHEW	3,048,247	BENTON, CHARLES	3,048,017
ABETZ, VOLKER	3,048,071	AUVINEN, TONI	3,048,217	BERBEN, PIETER	
ABUGOCH JAMES, LILIAN	3,048,067	AVENDANO AMADO, MAIER STEVE	3,048,033	HILDEGARDUS	3,048,158
ACHOUR, MILOUD	3,048,346	AXELSSON, OSKAR	3,048,627	BERNARD, CHARLOTTE	3,048,537
ACUCELA INC.	3,048,197	BACK, TREVOR J.	3,048,401	BERRY, KARIN ZEMSKI	3,048,434
ADACHI, KENTARO	3,048,172	BACKHAUS, ANDREAS	3,048,378	BERTHELOT, DIDIER JEAN-	
ADAMS, KENT	3,048,640	BAE SYSTEM INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC.	3,048,497	CLAUDE	3,048,027
AGUIRRE, ANDRES	3,048,012	BAECKER, PATRICK	3,048,552	BGI SHENZHEN	3,048,486
AHMOYE, DANIEL W.	3,048,249	BAECKER, RUBEN	3,048,417	BHAGWAT, SHRIPAD	3,048,005
AIGNER, MAXIMILLIAN	3,048,156	BAECKER, TAO	3,048,123	BHARTI, KAPIL, JR.	3,048,523
AIR BAMBOO INDUSTRIAL GMBH	3,048,553	BAKAJIN, OLGICA	3,048,017	BHATTAD, KAPIL	3,048,663
AKUTSU, YOSUKE	3,048,384	BAKER HUGHES, A GE COMPANY, LLC	3,048,085	BIAN, HAIYAN	3,047,729
ALARY, MARC	3,048,102	BAEK, MIN JI	3,048,392	BIAN, HAIYAN	3,047,730
ALARY, MARC	3,048,112	BAERENWEILER, RUBEN	3,048,039	BIJLANI, RAVINDRA	3,048,636
ALBRECHT, MATTHIAS	3,048,553	BAEUEERLE, PATRICK	3,047,999	BILLEDEAU, ROLAND	
ALIBABA GROUP HOLDING LIMITED	3,048,574	BAI, TAO	3,048,273	JOSEPH	3,047,988
ALIBEK, KEN	3,048,640	BAKAKIN, OLGICA	3,048,017	BILLER, WILLIAM T.	3,048,617
ALLISON, BRETT DOUGLAS	3,048,027	BAKER HUGHES, A GE COMPANY, LLC	3,048,090	BILLERUDKORSNAS AB	3,048,107
ALMAS, GEIR HERMOD	3,048,133	BALDY, ROBERT	3,048,086	BINDHAMMER, MARKUS	3,048,672
ALMAS, GEIR HERMOD	3,048,134	BALEN, FRANK PIETER	3,048,155	BIOMARIN	
ALMEADA, LAUREN J.	3,048,661	JACOBUS	3,048,104	PHARMACEUTICAL INC.	3,048,005
ALMON, EINAT	3,048,151	BALES, BRIAN CHRISTOPHER	3,048,135	BIOMERIEUX, INC.	3,048,010
ALON, SARI	3,048,151	BANCROFT, PHILIP WAYNE	3,048,487	BIOPHARM NZ LIMITED	3,048,162
ALVIZO, OSCAR	3,048,475	BANNON, BRYAN	3,048,453	BIOSERENITY	3,048,305
AMEMORI, HIROAKI	3,048,178	BANSAL, PARIJAT	3,048,400	BIOSTREAM TECHNOLOGIES, LLC	3,048,068
AMGEN INC.	3,048,217	BAO, XIAOYING	3,048,150	BIRCHAM, MARK	3,048,043
AMGEN INC.	3,048,520	BAR, LILIANA	3,048,211	BISCHOF, STEVEN M.	3,048,416
AMOASII, LEONELA	3,048,635	BARAT, BHASWATI	3,048,211	BISCHOF, STEVEN M.	3,048,628
ANDRIOT, MATTHIEU	3,048,237	BARBAY, JOSEPH KENT	3,048,027	BJERKE, NATHAN	3,047,976
APPIA, LLC	3,048,427	BARGES, PATRICK	3,048,131	BKW ENERGIE AG	3,048,066
APPLIED TISSUE TECHNOLOGIES LLC	3,048,014	BARR, FREDERICK	3,048,432	BLANCHARD, CHRISTOPHER	3,048,210
ARAGON Y WILLEMS, PETER FRANCISCO	3,047,156	BARRETT, PHILIP A.	3,048,081	BLIZZARD, STEPHEN	3,047,984
ARAIZA, JUAN, IV	3,048,441	BARRIL ALONSO, XAVIER	3,048,357	BLUEFIN BIOMEDICINE, INC.	3,048,224
ARCELORMITTAL	3,047,975	BARROS NETO, OSANAN L.	3,048,596	BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM	3,048,492
ARCELORMITTAL	3,048,062	BARRY, MICHAEL-JOHN	3,048,162	BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS	
ARCELORMITTAL	3,048,131	JOSEPH	3,046,841	BOBUSCH, BERNHARD	3,048,117
ARCONIC INC.	3,048,225	BARTORELLI CUSANI, ALBERTO	3,048,158	BOHILI, RAMZI	3,048,547
ARIELY, OFER	3,037,837	BASF CORPORATION	3,048,653	BOHM, GEORG	3,048,294
ARMEN, ZACHARY GARO	3,048,497	BASF SE	3,048,488	BOIS, AXEL-PIERRE	3,048,427
ARRIS ENTERPRISES LLC	3,048,146	BATES, AARON LEE	3,048,225	BOIVIN, GAETAN	3,048,262
ARRIS ENTERPRISES LLC	3,048,242	BAUMANN, STEPHEN F.	3,048,203		3,048,233
		BEALS, WILLIAM MICHAEL			

## Index of PCT Applications Entering the National Phase

BOMBARDIER TRANSPORTATION GMBH	3,048,080	CAMSO INC. CANO, HELCIO CANTWELL, MARK J.	3,048,053 3,048,636 3,048,148	CHIESA, ALFRED J. CHO, JIN MAN CHO, SEONG JUN	3,048,482 3,048,392 3,048,389
BONNET, FREDERIC	3,047,975	CANTWELL, MARK J.	3,048,185	CHO, SU JUNG	3,048,389
BONTE, PHILIPPE	3,048,409	CAPEHART, STACY	3,048,434	CHOI, BRYAN	3,048,648
BONVINI, EZIO	3,048,211	CAPELA, SANDRA	3,048,290	CHOI, JI YOUNG	3,048,389
BOOKER, SHON	3,048,217	CAPON, ROBERT JOHN	3,048,040	CHOI, MYUNG SOOK	3,048,389
BORAGNO, LUCA	3,048,326	CARDOEN, DENNIS	3,048,530	CHOU, STEPHEN Y.	3,048,002
BOREALIS AG	3,048,326	CARLSON, TIMOTHY	3,048,490	CHOW, CHRISTINA	3,048,206
BOSCHI, SANDRINE	3,048,532	CARO FUENTES, NELSON	3,048,067	CHOY, SHARON HUI LUN	3,048,055
BOSTON SCIENTIFIC SCIMED, INC.	3,048,487	CASAMENTO, MICHAEL CASTEJON DE LA ENCINA, MARIA ELENA	3,048,215	CHRISTIANA CARE HEALTH SERVICES, INC.	3,048,501
BOTHE, MARTIN	3,048,374	CASTRO PALOMINO LARIA, JULIO	3,048,393	CHRISTIANO, ANGELA	3,048,193
BOUKERMA, SAID	3,048,294	CASUMCONI, S.L.	3,048,604	CHRISTIANO, ANGELA	3,048,202
BOURIN, PHILIPPE	3,048,126	CATERPILLAR INC.	3,048,433	CHRISTIANO, ANGELA	3,048,204
BOWMAN, MATTHEW A.	3,048,135	CATTANEO, CARLO	3,047,976	CIAVARELLA, NICK E.	3,048,230
BOYER, DOMINIQUE	3,048,233	CATTANEO, CARLO	3,048,583	CICHEWICZ, ROBERT H.	3,048,065
BOYER, DOMINIQUE	3,048,409	CAYER, DEVON	3,048,584	CIRIT, FAHRETTIN OLÇAY	3,048,145
BOYNE, ALEX K.	3,048,625	CCM TECHNOLOGIES LIMITED	3,048,415	CISNEROS, ANSELMO T.	3,048,619
BRAMBILLA, GILBERTO	3,048,609	CEE, VICTOR J.	3,048,130	CJ CHEILJEDANG CORPORATION	3,048,389
BRANDT, BARON C.	3,048,500	CELLIX BIO PRIVATE LIMITED	3,048,217	CJ CHEILJEDANG CORPORATION	3,048,392
BRANDTS, JIM ALOYSIUS MARIA	3,048,158	CENTRE LEON BERARD	3,048,485	CLAES, ANDRE-VIKTOR	3,048,530
BREUR, HENDRIK JACOBUS ARIE	3,048,516	CENTRE NATIONAL DE LA RECHERCHE	3,048,347	CLARIANT INTERNATIONAL LTD	3,048,363
BRIGHTWELL, DAVID B.	3,048,481	CENTRE NATIONAL DE LA SCIENTIFIQUE	3,048,126	CLARK, GREGORY A.	3,048,096
BRILL, THOMAS	3,048,086	CENTRE NATIONAL DE LA RECHERCHE	3,048,126	CLARKE, ADAM	3,048,186
BRIZZI, GILBERTO	3,048,332	CEPHALON, INC.	3,048,347	CLYNNE, THOMAS	3,048,136
BROCKBANK, KELVIN GM.	3,047,978	CERDA INFANTE, JAVIER	3,048,551	CODEXIS, INC.	3,048,475
BROOKS, CRISTY C.	3,048,006	CERUS CORPORATION	3,048,218	COLAVINCENZO, DAVID	3,046,776
BROOKS, CRISTY C.	3,048,019	CESAROVIC, NIKOLA	3,048,496	COLLINS, THOMAS M.	3,048,457
BROOKS, CRISTY C.	3,048,029	CESAROVIC, NIKOLA	3,048,186	COLUBRISMX, INC.	3,048,492
BROOKS, CRISTY C.	3,048,228	CHAI, JUNFEI	3,048,545	COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES	
BROOKS, CRISTY C.	3,048,481	CHAKRAVARTY, PAROMA	3,048,591	ALTERNATIVES	3,048,537
BROOKS, IAN	3,048,322	CHAN, WINNIE M.	3,048,185	COMPLETE GENOMICS, INC.	3,048,486
BROOMHEAD, MICHAEL	3,048,014	CHANDRASEKARAN, ARUNRICHARD	3,048,210	CONGDON, THOMAS	3,047,976
BROWN, ELLIOTT MICHAEL	3,048,125	CHANG, MIKE H.C.	3,048,303	CONNOLLY, PETER J.	3,048,027
BROWN, NICHOLAS	3,048,627	CHANG, NINGJUAN	3,048,548	CONTINENTAL STRUCTURAL PLASTICS, INC.	3,048,233
BRUKILACCHIO, THOMAS JOHN	3,048,412	CHAPMAN, BARRY	3,048,299	CONTINENTAL STRUCTURAL PLASTICS, INC.	3,048,409
BRYAN, GREG A.	3,048,006	CHARLOT BIOSCIENCES, INC.	3,047,751	COOK, ROBERT LANCE	3,048,149
BRYAN, GREG A.	3,048,019	CHARLOT, DAVID JEAN	3,047,751	COOK, ROBERT LANCE	3,048,405
BRYAN, GREG A.	3,048,029	CHATTERJEE, SAMIT	3,048,229	COOKSEY, BRIDGET ANN	3,048,186
BRYAN, GREG A.	3,048,228	CHEN, BANGCHI	3,048,084	COOPER, MATTHEW	
BRYAN, GREG A.	3,048,481	CHEN, BANGCHI	3,048,088	ALLISTER	3,048,040
BRYANT, STEVEN	3,048,096	CHEN, BINGLIANG	3,048,578	CORCORAN, MICHAEL LUKE	3,048,616
BUCKMAN LABORATORIES	3,048,616	CHEN, KUN-HUNG	3,047,734	COUTSEMENT, PIETER	3,048,407
BUMANN, RAYMOND J., III	3,048,525	CHEN, LIJING	3,047,988	COSTA, MANUEL	3,048,521
CALDWELL, LISA	3,048,210	CHEN, WANSHI	3,048,227	COUTTE, FRANCOIS	3,048,327
CALITHERA BIOSCIENCES, INC.	3,047,988	CHEN, XIAOGUANG	3,048,546	COVIDIEN LP	3,048,039
CALLOW, MATTHEW J.	3,048,486	CHEN, XIAOHONG	3,048,611	CRIDLAND, ROBERT	3,048,428
CALYSTA, INC.	3,048,060	CHEN, YAN	3,048,180	CRYAN, MARC P.	3,048,012
CAMACHO GOMEZ, JUAN	3,048,604	CHERTKOFF, RAUL	3,048,151	CUBERO JORDA, ELENA	3,048,357
CAMARDELLO, SAMUEL JOSEPH	3,048,138	CHEVRON PHILLIPS	3,048,416	CULTIVATION SYSTEMS B.V.	3,048,167
CAMBRIDGE ENTERPRISE LIMITED	3,048,468	CHEMICAL COMPANY LP	3,048,628	CUMMINGS, MAXWELL DAVID	
CAMELOT UK BIDCO LIMITED	3,048,034	CHEVRON PHILLIPS	3,048,324	CUPPARI, SCOTT	3,048,027
CAMERON TECHNOLOGIES LIMITED	3,048,428	CHEMICAL COMPANY LP	3,048,468	CURIS INTERNATIONAL	3,048,424
CAMPBELL, LIA H.	3,047,978	CHIA, SEAN	3,048,324	CURRENT LIGHTING SOLUTIONS, LLC	3,048,262
CAMPBELL, STEPHEN A.	3,048,267	CHIARUCCI, MICHEL	3,048,324		3,048,136

## Index des demandes PCT entrant en phase nationale

CURRENT LIGHTING SOLUTIONS, LLC	3,048,138	DISH TECHNOLOGIES L.L.C.	3,048,203	ERIKSSON, ELOF	3,048,014
CUSHMAN, MARK S.	3,047,992	DNATRIX	3,048,185	ERIKSSON, PETER	3,048,674
CYTEC INDUSTRIES, INC.	3,048,244	DOBSON, CHRISTOPHER	3,048,468	ESPAGNOLLE, NICOLAS	3,048,126
D'AMICO JR., FRANK J.	3,048,003	DOMNICK, LAUREN	3,048,651	ESSENLIX CORPORATION	3,048,002
DAIICHI SANKYO COMPANY, LIMITED	3,048,174	DONG, XIAO DANIEL	3,048,289	ETABLISSEMENT FRANCAIS DU SANG	3,048,126
DALE, JASON	3,048,673	DORY, EMILIE	3,048,355	EVOGENE LTD.	3,048,581
DAMBACHER, COREY M.	3,048,415	DOW GLOBAL TECHNOLOGIES LLC	3,048,119	EVOLUTION ENGINEERING INC.	3,048,232
DAMESTANI, YASAMAN	3,048,520	DOW GLOBAL TECHNOLOGIES LLC	3,048,607	EVOLUTION ENGINEERING INC.	3,048,249
DANA-FARBER CANCER INSTITUTE, INC.	3,048,219	DOYEN, WILLY	3,048,530	EVONIK DEGUSSA GMBH	3,048,289
DANOS, OLIVIER F.	3,048,620	DOYLE, ANTHONY	3,048,186	EWALD, BRETT	3,048,185
DANOS, OLIVIER F.	3,048,625	DREW, JEFFREY	3,048,313	EXXONMOBIL CHEMICAL PATENTS INC.	3,048,400
DANZ, MICHAEL P.	3,048,225	DRIDI, KAIS	3,048,303	F. HOFFMANN-LA ROCHE AG	3,048,591
DAVIDOWITZ, ELIOT J.	3,047,729	DRMANAC, RADOJE	3,048,486	FABBRONI, SERENA	3,048,324
DAVIDOWITZ, ELIOT J.	3,047,730	DRMANAC, SNEZANA	3,048,486	FACTSET RESEARCH	
DAVIES, NICHOLAS MATTHEW	3,048,462	DSM IP ASSETS B.V.	3,048,289	FAIR, PHILLIP SCOTT	
DAVIS, ELISABETH MELIKA	3,046,991	DU, XIAOGUANG	3,048,554	FALER, CATHERINE A.	
DAYTON, PETER	3,048,487	DUAN, DA	3,048,475	FARBER, BENJAMIN	
DE BEERS UK LTD	3,048,462	DUCAROUGE, BENJAMIN	3,048,347	FARBER, MICHAEL	
DE CLARE, BRIAN H.	3,048,096	DUHOVICH, ALEXEI	3,048,188	FARMER, SEAN	
DE FIGUEIREDO BRANCO, JOAO ANDRE	3,048,169	DUPONT, KYLE RICHARD	3,048,160	FARR, THOMAS C.	
DE FIGUEIREDO BRANCO, JOAO ANDRE	3,048,171	DUSSAULT, ISABELLE	3,048,646	FASTACHANGE S.R.L.	
DE FIGUEIREDO BRANCO, JOAO ANDRE	3,048,177	DUUS, JOACHIM	3,048,003	FATER S.P.A.	
DE FIGUEIREDO BRANCO, JOAO ANDRE	3,048,179	DUVALL, GIDEON	3,048,629	FENEYROU, PATRICK	
DE FIGUEIREDO BRANCO, JOAO ANDRE	3,048,181	DYNAENERGETICS GMBH & CO. KG	3,048,505	FENG, YINGZI	
DE FIGUEIREDO BRANCO, JOAO ANDRE	3,048,395	DYNAMIC DISC DESIGNS CORP.	3,048,254	FENTON, TIMOTHY M.	
DE FIGUEIREDO BRANCO, JOAO ANDRE	3,048,397	EATON, BRUCE	3,048,434	FERNANDEZ, CECILIA	
DE FIGUEIREDO BRANCO, JOAO ANDRE	3,048,397	ECKHARDT, LEON	3,048,486	FERRANDINO, GABRIELE	
DE FIGUEIREDO BRANCO, JOAO ANDRE	3,048,397	EDBERG, JOSHUA JACQUE	3,048,618	FEUSTEL, MICHAEL	
DE FIGUEIREDO BRANCO, JOAO ANDRE	3,048,397	EDGAR, MARK T.	3,048,324	FG INNOVATION COMPANY LIMITED	
DE FIGUEIREDO BRANCO, JOAO ANDRE	3,048,397	EDITAS MEDICINE, INC.	3,048,434	FIDELITY INFORMATION SERVICES, LLC	
DE FIGUEIREDO BRANCO, JOAO ANDRE	3,048,397	EDWARDS LIFESCIENCES CORPORATION	3,048,617	FILOSI, ANDREAS	
DE FIGUEIREDO BRANCO, JOAO ANDRE	3,048,397	EDWARDS, JAMES PATRICK	3,048,027	FISHER CONTROLS	
DE NORA PERMELEC LTD	3,048,178	EDWARDS, JOSEPH	3,048,404	FISHER, DAVID	
DEEG, H. JOACHIM	3,048,613	EGUCHI, KAZUHIRO	3,048,383	FISHER, KIMBERLY R.	
DEIS, PAUL	3,048,351	EICHER, CHRISTOPHER R.	3,048,607	FISHER, WILLIAM J.	
DEJERO LABS INC.	3,048,055	EL BAWAB, SAMER	3,048,646	FISK, BOBBY	
DELECROIX, ARNAUD	3,048,327	EL GHAZOUANI, ABDELNASSER	3,048,327	FLAGSHIP PIONEERING INTERNATIONAL LLC	
DELLAS, NIKKI	3,048,475	EL MAATOUGUI, ABDELAZIZ	3,048,604	FLETCHER, MARK W.	
DELONG, JEAN-PAUL	3,048,128	ELDOLAB HOLDING B.V.	3,048,611	FLIGHT PATH IP LIMITED	
DEMARCO, BRADLEY	3,048,210	ELGART, DAVID	3,048,475	FLONTIE, KELLY	
DENOME, FRANK WILLIAM	3,046,690	ELLIS, STEVEN	3,048,677	FLOWERS, DANIEL	
DERKACZ, PATRICK R.	3,048,232	ELSAYED, MOHAMED S. A.	3,047,992	FLOWSERVE MANAGEMENT COMPANY	
DERKACZ, PATRICK R.	3,048,249	ELSNER, CHRISTIAN	3,048,070	FMC CORPORATION	
DESCHASEAUX, FREDERIC	3,048,126	EMBREE, MALLORY	3,048,246	FONG, LOK-U	
DEVELOPMENT CENTER FOR BIOTECHNOLOGY	3,048,467	EMBREE, MALLORY	3,048,247	FONSECA OCAMPOS, ERNESTO RAFAEL	
DIC CORPORATION	3,048,168	EMBREE, MALLORY	3,048,248	FONTAINE, FRANK ROGER	
DICKIE, ROBERT G.	3,048,638	EMMANUEL, EYAL	3,048,581	FOO, KHON PU	
DIEDRICH, GUNDO	3,048,211	ENDO, YASUYUKI	3,048,173	FOO, KHON PU	
DIEHL, MICHAEL	3,048,289	ENGIE	3,048,290	FORMAN, JOSHUA	
DIELS, GASTON	3,048,027	ENSSLE, BENJAMIN D.	3,048,006	3,048,264	
DIETLE, LANNIE LAROY	3,048,030	ENSSLE, BENJAMIN D.	3,048,019	3,048,003	
DIGNITY HEALTH	3,048,638	ENSSLE, BENJAMIN D.	3,048,029	3,048,467	
DINARELLO, CHARLES	3,048,613	ENSSLE, BENJAMIN D.	3,048,228	3,048,406	
DING, JIAN	3,048,554	ENSSLE, BENJAMIN D.	3,048,481	3,048,040	
DING, QUAN	3,048,486	EQUIFAX, INC.	3,048,636	3,048,252	
DING, WEI	3,048,002	EQUINOR ENERGY AS	3,047,966	3,048,253	
DINGLER, GERHARD	3,048,288	ERBER	3,048,280	3,048,210	
DIRKS, DANIEL A.	3,048,430	AKTIENGESELLSCHAFT			

## Index of PCT Applications Entering the National Phase

FRANCIA, PAOLO	3,048,332	GIAFFREDA, STEFANO LUCA	3,048,324	GUO, HAIBING	3,048,278
FRANCOEUR, ANGELICA J.B.	3,048,249	GIBANEL, SEBASTIEN	3,048,237	GUO, XIAOFENG	3,048,471
FRANCOIS, DAVY	3,048,550	GIBERT, BENJAMIN	3,048,347	GUO, XUECUI	3,048,620
FRANCOIS, MATHIAS	3,048,040	GILLESPIE, RONALD	3,048,183	GUO, XUECUI	3,048,625
FRAUNHOFER- GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	3,048,123	GIOK, FELICIA GISCH, DARYL J. GKN SINTER METALS, LLC GLANRIS WATER SYSTEMS, INC	3,048,213 3,048,607 3,048,482	H.E.F. HABCHI, JOHNNY HALDAR, SAIKAT HALLIBURTON ENERGY SERVICES, INC.	3,048,544 3,048,468 3,048,065
FRED HUTCHINSON CANCER RESEARCH CENTER	3,048,613	GLASSMEYER, STEPHEN ROBERT	3,046,690	HALONEN, MARKO HAMBALY, ALFY MERICAN AHMAD	3,048,378 3,048,139
FREEMAN, CHARLES GREGORY	3,048,619	GLAZEWSKI, JAMES MICHAEL	3,048,504	HAMBALY, ALFY MERICAN AHMAD	3,048,140
FREIBURGER, BENJAMIN	3,048,047	GLOBAL TEL*LINK CORP.	3,048,208	AHMAD	3,048,130
FREQUENCY THERAPEUTICS, INC.	3,048,220	GLOBALTECH CORPORATION PTY LTD	3,048,503	HAMMOND, PETER	3,048,591
FREUNEK, MONIKA	3,048,066	GLUCHOWSKI, CHARLES	3,047,729	HAN, CHONG	3,048,492
FRIEDMAN, CAROLA	3,048,157	GLUCHOWSKI, CHARLES	3,047,730	HAN, SEOKYUNG	3,048,677
FRIENDSHIP PRODUCTS LLC	3,048,490	GOJO INDUSTRIES, INC.	3,048,230	HAN, STEVE	3,048,273
FRIISK, HARALD ARNT	3,047,966	GOLDSCHNEIDER, DAVID	3,048,347	HAN, WEIJUAN	3,048,389
FRISCHAUF, PETER	3,048,073	GOLDSLEGER, ILYA	3,047,996	HANEY, YOUNG JI	3,048,135
FROUIN, PIERRE-YVES	3,048,305	GOLDSLEGER, ILYA	3,048,023	HARA, CRAIG	3,048,178
FRUSINA, BOGDAN	3,048,055	GOMACO CORPORATION	3,048,525	HARA, TOMOHIRO	3,048,183
FRYER, JEROME	3,048,254	GONCALVES MARTINS, MARCO FILIPE	3,048,395	HARJO, CHARLES	3,048,496
FRYSZKOWSKA, ANNA	3,048,475	GONCALVES MARTINS, MARCO FILIPE	3,048,397	HARMONY DEVELOPMENT GROUP, INC.	3,048,644
FTS KABUSHIKI KAISHA	3,048,586	GONCHAROV, ALEXANDER	3,048,051	HARMONY DEVELOPMENT GROUP, INC.	3,048,493
FUCCIO, SAM T.	3,047,974	GONGWIN BIOPHARM HOLDINGS CO., LTD.	3,047,734	HARRELSON, DAVID BRENT	3,048,504
FUJIAN SANAN SINO- SCIENCE PHOTOBIOTECH CO., LTD	3,043,076	GORDON BROS. SUPPLY, INC.	3,048,183	HARRIS, DONALD RUSSELL	3,048,230
FUJIFILM CORPORATION	3,048,602	GORDON, GREGORY	3,046,690	HARRIS, ROB	3,048,636
FUJIFILM TOYAMA CHEMICAL CO., LTD.	3,048,602	CHARLES	3,048,183	HARTMANN, ANNIKA	3,048,289
FUJINO, MASATAKA	3,048,602	GORDON, ROBERT	3,047,984	HASHASH, AHMAD	3,048,195
FUJIOKA, TOMONORI	3,048,176	GORKORVENKO, ELENA	3,048,414	HASHIM, SAMI	3,046,350
FUJITA, ERIKO	3,048,384	GOSAMO, IGNAZIO	3,048,627	HASICK, NICOLE JANE	3,048,376
FUJITA, SOSHI	3,048,362	GOULD, ALEXANDER J.	3,048,627	HAVSTAD, MARK A.	3,048,046
FUJITA, YUZO	3,048,172	GOVINDASAMY,	3,048,044	HAYASHI, RYUHEI	3,048,619
FULPER, LESTER DAVID	3,048,199	LAKSHMANAN	3,048,012	HE, CHUNHONG	3,048,388
FURUYA, KENTARO	3,048,602	GOZANI, SHAI N.	3,048,163	HE, RUINA	3,047,986
G1 THERAPEUTICS, INC.	3,048,057	GRANTHAM, PETER	3,048,044	HE, YIGANG	3,047,991
GAERTNER, OLAF	3,048,090	GRAPHIC PACKAGING	3,048,488	HEADLEY, THOMAS	3,048,273
GAFFNEY, JAMES RUSSELL	3,048,246	INTERNATIONAL, LLC	3,048,423	HEAU, CHRISTOPHE	3,048,047
GALAN LLONGUERAS, ALBERT	3,048,433	GREBENSCHIKOV, VLADIMIR	3,048,676	HEIL, JIM	3,048,544
GALAN LLONGUERAS, JORDI	3,048,433	GRIESEL, CHARLES	3,048,119	HEINING, MARTIN	3,048,434
GALLENO, CARLOS	3,048,028	GROENENDIJK, PETER E.	3,048,500	HEJLEH, KHALED MUFID	3,048,289
GALLI, BRUNO	3,048,346	GROGRO, DANIELA	3,048,069	YOUSEF	3,048,035
GALVIN, LOIC	3,048,294	GROZ-BECKERT KG	3,047,966	HELLAT, ROLF	3,048,296
GARCIA COLLAZO, ANA MARIA	3,048,357	GRYTDAL, IDAR OLAV	3,048,012	HELMHOLTZ-ZENTRUM GEESTHACHT ZENTRUM	3,048,071
GARDEN, PADRIC	3,048,210	GSK CONSUMER	3,048,012	FUR MATERIAL-UND KUSTENFORSCHUNG	3,048,530
GE HEALTHCARE AS	3,048,104	HEALTHCARE S.A.	3,048,652	GMBH	3,048,535
GE-HITACHI NUCLEAR ENERGY AMERICAS LLC	3,048,399	GUANGDONG OPPO MOBILE	3,048,665	HELSEN, JOOST	3,048,490
GEIMAN, TIMOTHY E.	3,048,482	TELECOMMUNICATIONS	3,048,665	HEMPLER, NILS	3,047,729
GEN9, INC.	3,048,182	CORP., LTD.	3,048,665	HENDRICKSON, B. EVERETT	3,048,491
GENERAL ELECTRIC COMPANY	3,048,147	GUANGDONG OPPO MOBILE	3,048,668	HENDRIX, JAMES	3,047,730
GENG, MEIYU	3,048,554	TELECOMMUNICATIONS	3,048,142	HENDRIX, JAMES	3,048,367
GESSLER, RAYMOND, III	3,048,487	CORP., LTD.	3,048,142	HENNEAU, PHILIPPE	3,048,491
GETTS, DANIEL	3,047,999	GUARDIAN EUROPE S.A.R.L.	3,048,142	HENRY, RYAN P.	3,048,249
GEVERS, MATTHEW H.	3,048,047	GUARDIAN GLASS, LLC	3,048,322	HEPGUVENDIK, HASAN	3,048,012
GFIDEA S.R.L.	3,048,333	GUERRIER, PAUL	3,048,233	ALPER	
		GUHA, PROBIR, KUMAR		HERB, GLENN	

## Index des demandes PCT entrant en phase nationale

HERZOG, ANDREAS	3,048,123	INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE		JONES, MATTHEW A.	3,048,630
HETTICH-HEINZE GMBH & CO. KG	3,048,337	RECHERCHE MEDICALE	3,048,347	JONES, MATTHEW ALLEN	3,048,121
HILDEBRANDT, HEIKO	3,048,086	INSTITUTE OF MATERIA MEDICA, CHINESE		JONES, MATTHEW ALLEN	3,048,132
HILFIGER, MATTHEW GARY	3,047,993	ACADEMY OF MEDICAL SCIENCES	3,048,546	JONES, NICHOLAUS ADAM	3,048,121
HIRVONEN, PETTERI	3,048,674	INTERNATIONAL PAPER COMPANY	3,048,008	JONES, NICHOLAUS ADAM	3,048,132
HODGE, STEPHEN L.	3,048,208			JUHNKE, MICHAEL	3,048,346
HODGINS, CAMERON	3,048,267			JUMP, SCOTT A.	3,048,191
HOFMANN, ALBERT	3,048,054			JUNG, UN JU	3,048,389
HOFMEISTER, ROBERT	3,047,999	INTERNATIONAL PAPER COMPANY	3,048,011	JUUL LABS, INC.	3,048,627
HOFSTATTER-SCHAESHS, URSULA	3,048,280	INVENTIO AG	3,048,367	KABUSHIKI KAISHA NIHON MICRONICS	3,048,589
HOLLEY, BROCK E.	3,048,047	INVISIBOWL, LLC	3,048,417	KAGOSHIMA UNIVERSITY	3,048,601
HONG, SEUNGWOOK	3,048,242	INVIVAX, INC.	3,048,448	KAKSONEN, RISTO	3,048,674
HONG, SEUNGWOOK	3,048,426	IOANA, STEFAN	3,048,231	KALSI ENGINEERING INC.	3,048,030
HONMA, MASATO	3,048,175	IRIKAWA, HIDEAKI	3,048,362	KAMADA LTD.	3,048,150
HOPSON, PEYTON	3,048,102	IRIZARRY, MARIO JUNIOR	3,048,207	KANDULA, MAHESH	3,048,485
HOPSON, PEYTON	3,048,112	IRONWOOD		KANDULA, RAMU	3,048,451
HORNER, STEWART D.	3,048,508	PHARMACEUTICALS, INC.		KANEKO, SHIN	3,048,379
HOSOKAWA, KENICHIRO	3,048,382		3,048,195	KANG, JY	3,048,512
HOSSEINI, SEYEDKIANOUSH	3,048,227	IRYSTEC SOFTWARE INC.	3,047,805	KANNER, STEVEN B.	3,048,661
HOUGHTON, PETER	3,048,065	ISHIDA, NATSUKI	3,048,170	KARAKI, TAKUYA	3,048,172
HOWARD, DANIEL	3,048,207	ISSHIKI, SATOSHI	3,048,170	KARGIEMAN, EMILIANO	3,048,632
HOWLETT, PAUL	3,048,309	ITO, TAKATOSHI	3,048,154	KARIDI, KONSTANTINA	3,048,499
HSIAO, CHIA-YEN	3,047,734	ITO, YUJI	3,048,601	KATOGI, HIDETAKA	3,048,153
HSU, SU-YI	3,048,467	JACQUES, PHILIPPE	3,048,327	KAWAI, KIYOSHI	3,048,176
HU, CHIH-YUNG	3,048,467	JAIS, PABLO	3,048,632	KAWAI, TAKURO	3,048,382
HU, JINSONG	3,045,731	JANG, TAEHO	3,048,492	KAWAI, TOMOHIRO	3,048,603
HUA, SHIJIE	3,048,139	JANKOWSKI, JAKUB	3,048,160	KAZEMI MIRAKI, MOJTABA	3,048,249
HUA, SHIJIE	3,048,140	JANSE VAN VUUREN, STEPHAN		KEARNS, MATTHEW R.	3,048,488
HUDSON, MATTHEW ROBERT	3,048,504	JACOBUS FREDERICK	3,048,161	KEE, CHEW YEE	3,048,139
HUFFMAN, RICH	3,048,636	JANSE VAN VUUREN, STEPHAN	3,048,161	KELLY, SEAN M.	3,048,140
HUGHES NETWORK SYSTEMS, LLC	3,048,100	JANSSEN PHARMACEUTICA NV	3,048,027	KEMIRA OYJ	3,048,369
HUGHES NETWORK SYSTEMS, LLC	3,048,188	JANSSEN PHARMACEUTICA NV		KEMPSHALL, SCOTT	3,047,997
HULTEEN, JOHN C.	3,047,977	JAPAN PETROLEUM EXPLORATION CO., LTD.	3,048,278	KENNEDY, LINA	3,030,506
HUSOY, ODDGEIR	3,048,587	JAPAN TABACCO INC.	3,048,154	KEYGENE N.V.	3,047,863
IACCINO, LARRY L.	3,048,400	JAYARAM, HARIHARAN	3,048,152	KHAEROV, ALEKSANDR	3,048,423
ICHIKAWA, JUNYA	3,048,174	JCR PHARMACEUTICALS CO., LTD.	3,048,434	KHANDELWAL, AKASH	3,048,646
ICHIO, SHUNJI	3,048,360	JI, MING		KHDER, YASSER	3,048,157
IGARASHI, MASAYUKI	3,048,589	JFE STEEL CORPORATION	3,047,799	KHERADPIR, LEILA	3,048,160
IKEDA, MASARU	3,048,382	JFE STEEL CORPORATION	3,048,164	KHRISTOV, VLADIMIR	
ILLINOIS TOOL WORKS INC.	3,048,507	JOHN, EDGAR	3,048,358	ROUSKOV	3,048,523
IMPACT SOLUTIONS AS	3,048,587	JOHNSON & JOHNSON CONSUMER INC.	3,048,381	KILCHMANN, FALCO	3,048,285
INBIOSE N.V.	3,048,521	JOHNSON & JOHNSON CONSUMER INC.	3,048,224	KIM, DANIEL H.	3,048,492
INCYTE CORPORATION	3,047,980	JOHNSON, CHRISTOPHER D.	3,048,230	KIM, DO HAENG	3,048,166
INCYTE CORPORATION	3,047,986	JOHNSON, CHRISTOPHER D.	3,048,034	KIM, HONGMIN	3,048,492
INDIAN INSTITUTE OF TECHNOLOGY MADRAS	3,047,991	JOHNSON, CHRISTOPHER D.	3,048,408	KIM, JU JEONG	3,048,392
INGRAM MICRO INC.	3,048,609	JOHNSON, CHRISTOPHER D.	3,048,546	KIM, JUN HO	3,048,165
INNOVALUE B.V.	3,048,423	JOHNSON, CHRISTOPHER D.	3,048,546	KIM, SANGYONG	3,048,512
INNOVATIONS IN OPTICS, INC.	3,048,516	JOHNSON, CHRISTOPHER D.	3,048,346	KIM, SEONG BO	3,048,389
INNOVENT BIOLOGICS (SUZHOU) CO., LTD.	3,048,412	JOHNSON, CHRISTOPHER D.	3,048,102	KING, YANG HEE	3,048,389
INOUE, YASUFUMI	3,048,578	JOHNSON, CHRISTOPHER D.	3,048,112	KING, YOUNG-HYUN	3,048,166
INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM)	3,048,359	JOHNSON, CHRISTOPHER D.	3,048,184	KING, ALISTAIR	3,048,369
	3,048,126	JOHNSON, CHRISTOPHER D.	3,048,408	KING, STEPHANIE	3,048,434
		JOHNSON, CHRISTOPHER D.	3,048,211	KIRKNES, STEFFEN	3,048,319
		JOHNSON, CHRISTOPHER D.	3,048,289	KIRKNES, STEFFEN	3,048,365
		JOHNSON, CHRISTOPHER D.	3,048,124	KISTNER, MATTHEW WAYNE	3,048,008
		JOHNSON, CHRISTOPHER D.	3,048,481	KISTNER, MATTHEW WAYNE	3,048,011
		JOHNSON, CHRISTOPHER D.		KITAYAMA, SHUICHI	3,048,379
		JOHNSON, CHRISTOPHER D.		KITZLER, ONDREJ	3,048,535
		JOHNSON, CHRISTOPHER D.		KLARE, JENNIFER	3,048,017
		JOHNSON, CHRISTOPHER D.		KLEIMAN, CYNTHIA	3,048,638
		JOHNSON, CHRISTOPHER D.		KLOSE, GORAN	3,048,054
		JOHNSON, CHRISTOPHER D.		KMIEC, ERIC BRIAN	3,048,501

## Index of PCT Applications Entering the National Phase

KNEZIC, DRAGUTIN	3,048,346	LAI, TENG	3,048,084	LIN, SONGWEN	3,048,546
KNOWLES, TUOMAS	3,048,468	LAINE, DAVID JOSE SIMON	3,048,186	LIN, YANAN	3,048,665
KNOX ASSOCIATES, INC.		LAINEMA, JANI	3,048,115	LINDBERG, ERIK	3,048,287
DBA KNOX COMPANY	3,048,618	LAJKIEWICZ, NEIL	3,047,991	LINDE	
KNUDSEN, RON D.	3,048,628	LAM, JIMMY	3,048,062	AKITIENGESELLSCHAFT	3,048,122
KOATSU CO., LTD.	3,048,359	LAMBERT, FRANCE	3,048,355	LINDGREN, PETER B.	3,048,470
KOCH, ALEXANDER		LANMAN, BRIAN ALAN	3,048,217	LIPOFABRIK	3,048,327
WOLFGANG	3,048,156	LANTOINE, LAURENT	3,048,290	LIPORESI, ISABELLA	3,048,332
KOCH, CHRISTIAN	3,048,281	LASHIFY, INC.	3,048,018	LIU, DANDAN	3,048,578
KOCH-GLITSCH, LP	3,048,676	LASTRA, RAFAEL ADOLFO	3,048,474	LIU, DAVID R.	3,048,479
KODA, YASUKO	3,048,376	LATKOWSKI, JEFFERY F.	3,048,619	LIU, HAILI	3,048,649
KODIAK NETWORKS, INC.	3,048,451	LEBERT, JOCHEN	3,048,289	LIU, JAN-JOO	3,048,102
KOFTIS, V. THEOCHARIS	3,048,499	LEC, JEAN-CHRISTOPHE	3,048,532	LIU, JAN-JOO	3,048,112
KOHLI, DALIP KUMAR	3,048,244	LECLOUX, GEOFFREY	3,048,355	LIU, JIANHUA	3,048,668
KOMATSU LTD.	3,048,385	LECOULTRE, RICHARD	3,048,415	LIU, JULIA J.	3,046,991
KOMATSU, IKUO	3,048,384	LEE, CHANG-SOO	3,048,607	LIU, JUNJIAN	3,048,578
KOMINAMI, TAKASHI	3,048,152	LEE, CHI-YU GREGORY	3,048,312	LIU, PHILLIP C.	3,047,980
KONDO, KENJI	3,048,569	LEE, CHI-YU GREGORY	3,048,317	LIU, RENMAO	3,048,548
KONG, XUAN	3,048,012	LEE, GAVIN GAW-WAE	3,048,249	LIVINGSTON, BRIAN	3,048,010
KONKOL, LEAH C.	3,047,991	LEE, GEON HO	3,048,166	LIWSZYC, ADAM	3,047,799
KOPECKY, DAVID JOHN	3,048,217	LEE, HAK JAE	3,048,165	LOCKHEED MARTIN	
KORADIA, VISHAL SHAMJI	3,048,346	LEE, JEIHAN	3,048,492	ADVANCED ENERGY	
KOSHKAROFF, IUSTINIA	3,048,500	LEE, JEONG HAENG	3,048,165	STORAGE, LLC	3,048,380
KOSHKAROFF, IUSTINIA	3,048,508	LEE, JI HYE	3,048,392	LOCUS IP COMPANY, LLC	3,048,640
KOUSSA, MOUNIR A.	3,048,210	LEE, YANG SOO	3,048,512	LOEHKEN, JOERN OLAF	3,048,505
KOYAMA, HIROO	3,048,376	LEE, YOUNG MI	3,048,389	LOGAN, AARON W.	3,048,232
KOZUMA, SHIHO	3,048,174	LEFKOWITZ, MARTIN	3,048,157	LOGAN, AARON W.	3,048,249
KRAMER, KEVIN	3,048,619	LEININGER, NEIL FRANCIS	3,048,289	LOGAN, JUSTIN C.	3,048,232
KRAUS, MICHAEL ANTHONY	3,048,264	LEON DUQUE, ESTEBAN	3,048,627	LOGAN, JUSTIN C.	3,048,249
KREISCHER, BRUCE E.	3,048,628	LEONARDO S.R.L.	3,048,583	LONNING, SCOTT MICHAEL	3,048,224
KREUTTER, KEVIN D.	3,048,027	LEONARDO S.R.L.	3,048,584	LOO, DERYK T.	3,048,211
KRIZNIK, ALEXANDRE	3,048,532	LESHEM, IDO	3,048,146	LOOSE, CHRISTOPHER	3,048,220
KRUGER, OLIVER	3,048,547	LESKINEN, PAULI	3,048,326	LOPEZ, PATRICIA	3,048,217
KRULL, MATTHIAS	3,048,363	LESNIAK, WOJCIECH G.	3,048,229	LOSCRUDATO, FRANK S.	3,048,596
KUBO, MASAHIRO	3,048,362	LEVITOV, YEVGENY B.	2,988,218	LOTTI, SAHARA	3,048,018
KUBO, TAKASHI	3,048,176	LEVY, LAURENT	3,048,469	LOUGHAN, H. MARIE	3,047,729
KUBOTA, HIROKAZU	3,048,376	LEWIS, KYLE G.	3,048,400	LOUGHAN, MARIE H.	3,047,730
KUBOTA, RYO	3,048,197	LEXA, KATRINA W.	3,048,475	LOVETT, MATTHEW	3,047,984
KUFE, DONALD	3,048,219	LEXISNEXIS, A DIVISION OF		LOWDEN, PAUL	3,048,051
KUHMANN, JOCHEN	3,048,553	REED ELSEVIER INC.	3,047,156	LU, LIANG	3,047,980
KUJUS-TENEKEDSHIJEW,		LI, HANDONG	3,048,486	LU, LIANG	3,047,986
ROMAN	3,048,553	LI, JIM	3,047,988	LU, TIANBAO	3,048,027
KUMAR, DHIRAJ	3,048,229	LI, JINGWEI	3,047,986	LUEDTKE, GREGORY	3,048,005
KUMAR, PRADEEP	3,048,117	LI, LEI	3,048,545	LUNDE, ERIK	3,048,102
KUMIAI CHEMICAL		LI, LIJING	3,048,545	LUNDE, ERIK	3,048,112
INDUSTRY CO., LTD.	3,048,176	LI, NANA	3,043,076	LUO, AIYUN	3,048,414
KUZHIN, MAXIM	3,048,423	LI, ZHEN	3,048,661	LV, YUANHAO	3,048,546
KWON, EUN YOUNG	3,048,389	LI, ZHENWU	3,047,986	MACDONALD, ADAM JOSEPH	3,047,817
KWON, JUNG GUN	3,048,392	LI, ZHENWU	3,047,991	MACHIDA, MASAYUKI	3,048,176
KWON, NARA	3,048,392	LIBURDI ENGINEERING		MACQUARIE UNIVERSITY	3,048,535
KYLLONEN, LASSE	3,048,369	LIMITED	3,048,051	MACROGENICS, INC.	3,048,211
KYOTO UNIVERSITY	3,048,379	LIBURDI, JOSEPH	3,048,051	MADDALI, PRAVEEN KUMAR	3,048,453
KYOWA HAKKO KIRIN CO.,		LIDDAMENT, MARK		MAEDA, SAYAKA	3,048,601
LTD.	3,048,601	TERENCE	3,048,186	MAEZAWA, YUSAKU	3,048,594
KYUNGPOOK NATIONAL		LIEBSCH, JURGEN	3,048,534	MAHMOUDKHANI, AMIR	3,048,363
UNIVERSITY INDUSTRY-		LIEBSCH, JURGEN	3,048,547	MAIANTI, JUAN PABLO	3,048,479
ACADEMIC		LIM, BING QIN	3,048,139	MAIER, HELENE	3,048,054
COOPERATION		LIM, BING QIN	3,048,140	MAJUMDAR,SOMDEB	3,048,387
FOUNDATION	3,048,389	LIM, CHIN KEONG	3,048,253	MAKELA, PASI	3,048,120
L'HENAFF, JEAN-JACQUES	3,048,642	LIN, JIPENG	3,048,535	MAKITA, KEIKO	3,048,602
L3 TECHNOLOGIES, INC.	3,048,026	LIN, JOSHUA LOUIS	3,048,503	MALCOLM, GRAEME	3,048,535
L3 TECHNOLOGIES, INC.	3,048,028	LIN, L-YU	3,048,503	MALEK, ANDRZEJ	3,048,119
LAAKSONEN, TIINA	3,048,369	LIN, MAU-YUAN	3,047,734	MAMIDYALA, SREEMAN	
LACKMEYER, GREG	3,047,997	LIN, PINGQIU	3,043,076	KUMAR	3,048,040

## Index des demandes PCT entrant en phase nationale

MAMINISHKIS, ARVYDAS	3,048,523	MEI, SONG	3,047,991	MOONSHOT PHARMA LLC	3,048,193
MANCHANDA, RAJESH	3,048,220	MEIJER, ANDREAS RICHARD	3,048,104	MOONSHOT PHARMA LLC	3,048,202
MANJOO, NAUSHAD	3,048,290	MEIJI SEIKA PHARMA CO., LTD.	3,048,170	MOONSHOT PHARMA LLC	3,048,204
MANN+HUMMEL FILTRATION TECHNOLOGY US LLC	3,048,493	MEIRAGTX UK II LIMITED	3,048,620	MOORE, STEPHEN	3,048,673
MANN+HUMMEL FILTRATION TECHNOLOGY US LLC	3,048,504	MELITO, JOEL PATRICK	3,048,625	MORA, VINCENZO	3,048,341
MANTRA BIO, INC.	3,048,212	MELQUIST, STACEY	3,048,399	MORANO, EMANUEL	3,048,102
MARAIS, JACQUES	3,048,161	MEMGEN, LLC	3,048,661	MORANO, EMANUEL	3,048,112
MARCHETTI, CARLO	3,048,494	MEMORIAL SLOAN-KETTERING CANCER CENTER	3,048,148	MOSIER, TERRY	3,048,618
MARCONDES, MARIO Q.	3,048,613	MENG, ZHOIJUN	3,048,185	MOTOROLA SOLUTIONS, INC.	3,048,139
MARKO, SHAUN EUGENE	3,048,430	MERCK PATENT GMBH	3,048,549	MOTOROLA SOLUTIONS, INC.	3,048,140
MARS, INCORPORATED	3,048,457	MEVA SCHALUNGS-SYSTEME GMBH	3,048,646	MOTOROLA SOLUTIONS, INC.	3,048,402
MARSHALL, AARON D.	3,048,230	MEYER, JONATHAN	3,045,771	MOTOROLA SOLUTIONS, INC.	3,048,413
MARTIN, BARRY ANDREW	3,048,497	MEYRE, MARIE-EDITH	3,048,549	MOTTA, MASSIMO	3,048,341
MARTIN, COLLIN H.	3,048,607	MICHAELSON, RICHARD	3,048,646	MOUSSA, ADEL	3,048,033
MARTINEZ, IGNACIO	3,048,497	MICROSOFT TECHNOLOGY LICENSING, LLC	3,048,288	MUELLER, TIM	3,048,090
MARTINO, CAMERON JOSEPH	3,048,246	MIELKE, DAVID	3,048,136	MUFTI, NAHEED	3,048,218
MARTINO, CAMERON JOSEPH	3,048,247	MILDER, RICHARD	3,048,469	MULDER, ROSS	3,048,010
MASHIMO, AKIRA	3,048,360	MILES, LINDE	3,048,636	MULGUND, ROHIT	3,047,395
MATSUDA, YUTARO	3,048,586	MILLARD, MATTHEW	3,048,228	MULYE, NIRMAL	3,048,596
MATSUHIRA, TAKASHI	3,048,170	MINORYX THERAPEUTICS S.L.	3,048,143	MURAMATSU, DAISUKE	3,048,383
MATSUMOTO, AKIHIDE	3,048,164	MIRABITO, WILLIAM F., JR.	3,048,144	MURPHY, EDWARD M.	3,048,191
MATSUMOTO, AKIHIDE	3,048,358	MIREKAJA A.G.	3,048,231	MURPHY, JAMES EDWARD	3,048,138
MATTHEWS, KIRT LYVELL, SR.	3,048,289	MITSCHIN, NIKOLAUS	3,048,535	NABEIRO, RUI MIGUEL	3,048,169
MATTINGLY, TODD D.	3,047,395	MITCHELL, VESNA	3,048,654	NABEIRO, RUI MIGUEL	3,048,169
MATTINGLY, TODD D.	3,048,006	MITSUBISHI CHEMICAL CORPORATION	3,048,380	NABEIRO, RUI MIGUEL	3,048,397
MATTINGLY, TODD D.	3,048,019	MITSUBISHI ELECTRIC CORPORATION	3,048,357	NAGAPUDI, KARTHIK	3,048,591
MATTINGLY, TODD D.	3,048,029	MODENA, ENRICO	3,048,478	NAKAGAMI, OHJI	3,048,382
MATTINGLY, TODD D.	3,048,226	MOE, JAMES G.	3,048,155	NAKAMURA, KENSUKE	3,048,174
MATTINGLY, TODD D.	3,048,228	MONDAL, SOMNATH	3,048,374	NAKAMURA, NAOFUMI	3,048,371
MATTINGLY, TODD D.	3,048,630	MONROE, NOAH	3,048,475	NAKANO, RYOSUKE	3,048,601
MATTOLAT, CHRISTOPH	3,048,310	MONTECCHIO, ANDREAS	3,048,603	NAKATA, HIROSHI	3,048,178
MAUS, MARCELA V.	3,048,648	MONTECINOS ACUNA, VIVIANA	3,048,603	NAKATA, HIROSHI	3,048,164
MAXIMUS DIAGNOSTIC TECHNOLOGIES LLC	3,046,991	MONTELEONE, GIOVANNI	3,048,603	NAKAZAWA, YOSHIAKI	3,048,358
MAY, MICHEAL COLIN	3,048,653	MONTELIMARD, ROMAIN	3,048,153	NAKAZAWA, YOSHIAKI	3,048,362
MAYER, ELISABETH	3,048,280	MONTEMNEGRO-ALVARADO, JOSE MANUEL	3,048,598	NAM, KIHOON	3,048,398
MAZAHERI, RENEE	3,048,001	MONTGOMERY, MARK	3,048,376	NANJINGJINSIRUI SCIENCE & TECHNOLOGY BIOLOGY CORP.	3,048,492
MCBRIDE, JAMES	3,048,618	MONTGOMERY, WILLIAM D.	3,048,324	NANO ONE MATERIALS CORP.	3,048,273
MCCORMICK, STEPHEN	3,048,122	MONTGOMERY, WILLIAM D.	3,047,729	NANOBIOTIX	3,048,267
MCCUTCHEON, PAUL	3,048,490	MONTGOMERY, WILLIAM D.	3,047,730	NARHI, LAURI	3,048,469
MCDONNELL, MARK E.	3,047,729	MONTGOMERY, WILLIAM D.	3,048,212	NATIONAL AGRICULTURE AND FOOD RESEARCH ORGANIZATION	3,048,120
MCDONNELL, MARK E.	3,047,730	MONTGOMERY, WILLIAM D.	3,048,149	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY	3,048,598
MCGRATH, R. DANIEL	3,048,085	MONTGOMERY, WILLIAM D.	3,048,189	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY	3,048,176
MCGUINNESS, COLIN	3,048,462	MONTGOMERY, WILLIAM D.	3,048,010	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY	3,048,176
MCHALE, BRIAN G.	3,047,395	MONTGOMERY, WILLIAM D.	3,048,627	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY	3,048,176
MCKEE, SHAWN P.	3,048,199	MONTGOMERY, WILLIAM D.	3,048,337	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY	3,048,176
MCLEAN, WILL	3,048,220	MONTGOMERY, WILLIAM D.	3,048,551	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY	3,048,176
MCWHIRTER, JON D.	3,048,619	MONTGOMERY, WILLIAM D.	3,048,337	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY	3,048,176
MEDIAL RESEARCH LTD.	3,037,837	MONTGOMERY, WILLIAM D.	3,048,337	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY	3,048,176
MEDIN, DAVID L.	3,048,403	MONTGOMERY, WILLIAM D.	3,048,551	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY	3,048,176
MEDINA MUNDT, JESUS	3,048,169	MONTGOMERY, WILLIAM D.	3,048,334	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY	3,048,176
MEDINA MUNDT, JESUS	3,048,171	MONTGOMERY, WILLIAM D.	3,048,544	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY	3,048,176
MEDINA MUNDT, JESUS	3,048,177	MONTGOMERY, WILLIAM D.	3,046,690	NAUER, ROGER	3,048,602
MEDINA MUNDT, JESUS	3,048,179	MONTGOMERY, WILLIAM D.	3,046,690	NEJAKO, MARK EDWARD, II	3,048,289
MEDINA MUNDT, JESUS	3,048,181	MONTGOMERY, WILLIAM D.	3,048,065	NEJAKO, MARK EDWARD, II	3,048,289
MEHLEN, PATRICK	3,048,347	MONTGOMERY, WILLIAM D.	3,048,322	NEJAKO, MARK EDWARD, II	3,048,289
MEHTA, SEAN	3,048,267	MOOBERRY, SUSAN L.	3,048,065	NEJAKO, MARK EDWARD, II	3,048,289
MEI, SONG	3,047,980	MOOG CONTROLS LIMITED	3,048,322	NEJAKO, MARK EDWARD, II	3,048,289
MEI, SONG	3,047,986	MOOG CONTROLS LIMITED	3,048,322	NEJAKO, MARK EDWARD, II	3,048,289

## Index of PCT Applications Entering the National Phase

NELSON, EMILY GRACE	3,048,380	NOVADELTA - COMERCIO E	PALOBIOFARMA, S.L.	3,048,604
NEOKOSMIDIS, EFSTRATIOS	3,048,499	INDUSTRIA DE CAFES,	PALOVAARA, PETRI	3,048,120
NESVADERANI, FARHANG	3,048,267	S.A.	3,048,171 PANUSOPONE, KRIT	3,048,242
NETEMEYER, ERIC J.	3,048,628	NOVADELTA - COMERCIO E	PANUSOPONE, KRIT	3,048,426
NETRIS PHARMA	3,048,347	INDUSTRIA DE CAFES,	PARAGON PET PRODUCTS	
NETTER, JEAN PATRICK	3,048,403	S.A.	3,048,177 EUROPE B.V.	3,048,610
NEUROENERGY VENTURES, INC.	3,046,350	NOVADELTA - COMERCIO E	PARK, SANG RAE	3,048,605
NEVELS, HEATH FLETCHER	3,048,149	INDUSTRIA DE CAFES,	PARK, YONGMAN	3,048,492
NEVELS, HEATH FLETCHER	3,048,405	S.A.	3,048,179 PARTRIDGE, SALLY RACHEL	3,048,338
NEVELS, HEATH FLETCHER	3,048,406	NOVADELTA - COMERCIO E	PASCHEREIT, CHRISTIAN	
NEWMAN, MICHAEL D.	3,048,122	INDUSTRIA DE CAFES,	OLIVER	3,048,534
NEWSON, THOMAS	3,048,163	S.A.	3,048,395 PASCHEREIT, CHRISTIAN	
NEXA3D INC.	3,048,515	NOVADELTA - COMERCIO E	OLIVER	3,048,547
NEXT2SUN GMBH	3,048,086	INDUSTRIA DE CAFES,	PASHIRI, LAHE TALAIE	3,048,267
NG, KIM FUI	3,048,540	S.A.	3,048,397 PASK, HELEN	3,048,535
NGUYEN, HOANG	3,047,996	NOVAK, BARBARA	3,048,280 PATEL, BHARAT	3,048,102
NGUYEN, HOANG	3,048,023	NOVARTIS AG	3,048,156 PATEL, BHARAT	3,048,112
NGUYEN, LUAN THANH	3,048,060	NOVARTIS AG	3,048,157 PATEL, EKTA	3,047,999
NIANE, NGADIA TAHA	3,048,294	NOVELLUSDX LTD.	3,048,346 PATEL, SHIMMAN ARVIND	3,048,227
NIESKENS, DAVY L.S.	3,048,119	NTT ELECTRONICS	3,048,501 PATER, WILLEM THEODOOR	
NIEUWOUTDT, IZAK	3,048,676	CORPORATION	MARTINUS	3,048,610
NIJSEN, JOHANNES		NUM TECHNOLOGY LTD	3,048,173 PATERSON, COLIN	3,048,128
FRANCISCUS		NUSS, NEAL	3,048,125 PAUL, REUBEN LEVI	3,048,303
WILHELMUS		NYUU, KEISUKE	3,047,795 PAVLOVIC, BRYAN EDWARD	3,048,618
NIKE INNOVATE C.V.	3,048,491	O'BEAR, RAYMOND	3,048,384 PEASE, R. FABIAN W.	3,048,303
NIKE INNOVATE C.V.	3,048,500	O'BRIEN, JOHN J.	3,048,010 PEDERSEN, JASON	3,048,618
NIKE INNOVATE C.V.	3,048,508	O'BRIEN, SHAWN KALEN	3,048,226 PEDERSON, NELS ERIC	3,048,224
NIKE INNOVATE C.V.	3,048,513	O'DWYER, MICHAEL EAMON	3,047,997 PEI, TAO	3,048,661
NIMMAGADDA, SRIDHAR	3,048,229	PETER	3,045,731 PEKKALA, OLLI	3,048,120
NIPPON STEEL		OBERHOLZER, JONATHON	3,048,055 PELEGRI, DIMITRIS JIM	3,048,507
CORPORATION	3,048,362	OKABE, SHINJI	3,048,381 PERENTES, ALEXANDRE	3,048,127
NIPPON STEEL		OKITA, KEISUKE	3,048,379 PERETZ, VITAL	3,048,680
CORPORATION	3,048,398	OKUMURA, KATSUYA	3,048,383 PETER, ANDREAS	3,048,090
NIPPON STEEL NISSHIN CO., LTD.	3,048,371	OLATEC THERAPEUTICS LLC	3,048,494 PETERS, GERT	3,048,521
NIPPON TELEGRAPH AND		OLIGOMERIX, INC.	3,047,729 PFEIFER, HOLGER	3,048,289
TELEPHONE		OLIGOMERIX, INC.	3,047,730 PFISTER, MATTHIAS	3,048,197
CORPORATION		OLSON, ERIC	3,048,635 PHARMATHEN S.A.	3,048,499
NISHIDA, KOHJI	3,048,173	OMAE, KEI	3,048,385 PHELAN, JESSICA	3,048,487
NOGRA PHARMA LIMITED	3,048,388	OMNIOME, INC.	3,048,415 PHILIP MORRIS PRODUCTS	
NOJEH, ALIREZA	3,048,334	OMNITRACS, LLC	S.A.	3,048,677
NOKIA TECHNOLOGIES OY	3,048,303	ONKIMMUNE LIMITED	3,048,651 PHILIPPAR, ULRIKE	3,048,027
NOMURA, NARIHIKO	3,048,115	ONTHEMUV, INC.	3,045,731 PHINERGY LTD.	3,048,680
NOORDAM, CHRISTIAAN	3,048,362	ONUMA, YASUHARU	3,048,403 PICKRELL, ALEXANDER J.	3,048,217
SILVESTER	3,048,513	ORESIC, BRUNO	3,048,173 PIDISHETY, SHANKAR	3,048,609
NORBIT ITS	3,048,167	ORIENTAL (LUZHOU)	3,048,537 PIGG, ESTHER	3,048,636
NORBIT ITS	3,048,319	AGROCHEMICALS. CO.,	PIKE, RYAN	3,048,511
NORDLING, NILS	3,048,365	LTD.	3,048,084 PILLET, GREGOIRE	3,048,330
NORDLING, NILS	3,048,107	ORIENTAL (LUZHOU)	3,048,084 PINIEK, THORSTEN	3,048,072
NORDSTROM, FREDRIK	3,048,287	AGROCHEMICALS. CO.,	3,048,884 PLANNEY, CATHERINE	
NORDSTROM, MATTHEW D.	3,048,107	LTD.	ROSEMARY	3,048,212
NORO, DAIKI	3,048,508	ORLANDINI, ROBERTO	3,048,088 PLANQUE, MICHEL	3,048,537
NORTH, ANNE	3,048,168	ORR, ROBERT KEVIN	3,048,332 PLANTSATE GLOBAL SDN.	
NOTSTRUM ENERGY PTE. LTD.	3,048,218	ORTHOFIX INC.	BHD.	3,048,540
NOTARGIACOMO, MASSIMO	3,048,596	OSAKA UNIVERSITY	3,048,475 POIRIER, JOHN	3,045,771
NOVADELTA - COMERCIO E	3,048,332	OUCHI, SHOHEI	3,048,654 POMMIER, YVES GEORGE	3,047,992
INDUSTRIA DE CAFES		OURLIAC, MATHIEU	3,048,170 POMPER, MARTIN G.	3,048,229
S.A.	3,048,181	OUTOKUMPU OYJ	3,048,290 PONNSE OYJ	3,048,372
NOVADELTA - COMERCIO E		OVERMAN, JEROEN	3,048,072 PONNSE OYJ	3,048,378
INDUSTRIA DE CAFES,		OWENS, GLENN ROBERT, JR.	3,048,120 PONTIFICIA UNIVERSIDAD	
S.A.	3,048,169	OWAMA, KATSUCHI	CATOLICA DE CHILE	3,048,551
		PAGOTTO, AMEDEO	3,048,040 PONTONIO, STEVEN J.	3,048,081
		PALKHIWALA, KUSHAL	3,048,264 POPE, GARY A.	3,048,096
			3,048,173 PORIFERA, INC.	3,048,017
			3,048,344	
			3,048,487	

## Index des demandes PCT entrant en phase nationale

PORTSMOUTH, ANDREW JOHN	3,048,462	REPLICON HEALTH OY REPULPING TECHNOLOGY GMBH & CO. KG	3,048,674 3,048,070	SAINT-GOBAIN ABRASIFS SAINT-GOBAIN ABRASIFS SAINT-GOBAIN ABRASIVES, INC.	3,048,414 3,048,441 3,048,414
PORZIG, DANIEL POSE, AGUSTINA POTTIER, AGNES PRABHAKARAN, KUMARESAN PRASAD, HIMAMSHU VISWAT PRAW, MICHAEL PRAXAIR TECHNOLOGY, INC. PRENDERGAST, VIRGINIA PRESIDENT AND FELLOWS OF HARVARD COLLEGE PREVOST, GREGORY PREVOST, GREGORY PROBST, MARKUS PROCTOR, LEE M. PROCTOR, LEE M. PROCTOR, LEE M. PROPS, MARK PROST, FABRICE PROT, PIERRE PROTALIX LTD. PROUVOST, BENOIT PUGLIESE, ALEXANDRE PULFORD, JOSHUA H. PULIDO, ANTHONY PURDUE RESEARCH FOUNDATION QI, CHAO QI, CHAO QIAN, DING-QUAN QIAN, DING-QUAN QIAN, HONG QIU, BIYONG QIU, HONGLIN QUALCOMM INCORPORATED QUALCOMM INCORPORATED QUALCOMM INCORPORATED R.P. SCHERER TECHNOLOGIES, LLC RABE, CHRISTIAN RABOISSON, PIERRE RADIOMETER MEDICAL APS RAMBO, JEFFREY DOUGLAS RAMOS, RITA RANGANATH, PRITHVI RANGAYYAN, VISHNU RANTAMAKI, ANTTI RAVASSA, GABRIELA RAVENELLE, FRANCOIS RAZAK, ROUA M. REDAVID, ANNA MARIA RITA REECE, STEVEN Y. REED, ANTHONY B. REESE, MICHAEL REESE, MICHAEL REICHENTHAL, AVI N. REID, O'RIAN REISER, GEORG REITZ, ALLEN B. REITZ, ALLEN B.	3,048,090 3,048,632 3,048,469 3,048,252 3,048,136 3,048,653 3,048,081 3,048,638 3,048,479 3,048,143 3,048,144 3,048,086 3,048,141 3,048,402 3,048,413 3,048,623 3,048,544 3,048,305 3,048,151 3,048,237 3,048,127 3,048,430 3,048,210 3,047,992 3,047,986 3,047,991 3,047,980 3,047,986 3,048,273 3,048,368 3,048,574 3,048,227 3,048,387 3,048,663	RESOP, SHANNON ELIZABETH ETHIER REUSCH, STEFAN REUSCH, STEFAN REUSCH, STEFAN REVANUR, RAVINDRA REVES VILAPLANA, MARC REYMOND, JEAN-LOUIS REYNOLDS, CLARENCE MICHAEL RHENAC GREENTEC AG RHO, JIN AH RI, BYONG HYOK RI, BYONG ROK RI, DAE KWON RI, KANG KWON RICARTE, GERARDO GABRIEL RICO ALVARINO, ALBERTO RIGGINS, JAMES NICHOLAS RIKEN RIKOVA, KLARISA RING, LAWRENCE S. RISHEL, MICHAEL JAMES RISINGER, APRIL L. ROBBINS, JOAN M. ROBERTS, CHRISTOPHER LEE ROBERTS, RICHARD SPURRING ROBERTSON, AVRIL ALEXIS BARBARA ROBINSON, SIDNEY LUC ROBLES, ANDREW J. ROBOTTON, GAVIN RODONI, PHILIP RODRIGUES DE MIRANDA, HANS ROHM AND HASS COMPANY ROKICKI, JOSEPH ROMAN, MARTY ROMPEN, ERIC ROSE, BERND ROUX, GUILHEM RUBICON GLOBAL HOLDINGS, LLC RUDIN, CHARLES RUNDLE RESEARCH, LLC RUOKONEN, SUVI-KATRIINA RUPP, THOMAS RXSIGHT, INC. RXSIGHT, INC. RYABY, JAMES T. RYNEARSON, RODNEY WAYNE SAAEM, ISHTIAQ SAARENMAA, JARMO SACCOMANO, SAM SAEKI, KAZUNORI SAFRAN SAFRAN AIRCRAFT ENGINES SAHA, KOUSHIK BABI	3,048,289 3,048,310 3,048,316 3,048,320 3,048,017 3,048,357 3,048,285 3,047,142 3,047,422 3,048,392 3,048,306 3,048,306 3,048,306 3,048,475 3,048,632 3,048,663 3,048,475 3,048,376 3,048,224 3,048,520 3,048,104 3,048,065 3,048,185 3,048,191 3,048,357 3,048,618 3,048,607 3,048,415 3,048,636 3,048,355 3,048,058 3,048,537 3,047,740 3,048,618 3,048,607 3,048,415 3,048,636 3,048,355 3,048,058 3,048,537 3,047,740 3,045,771 3,048,206 3,048,369 3,048,296 3,047,996 3,048,023 3,048,654 3,048,264 3,048,182 3,048,120 3,048,434 3,048,602 3,048,294 3,048,294 3,048,136	SAINT-GOBAIN ABRASIVES, INC. SAINT-GOBAIN ABRASIVES, INC. SAINT-GOBAIN GLASS FRANCE SAITO, KOICHI SALEH, AHMED SALIM, ANGELA AGUSLYARTI SAMSUNG ELECTRONICS CO., LTD. SAMSUNG ELECTRONICS CO., LTD. SANDIKCI, AYSEGUL CIFTCI SANO, MASAMI SANZONE, ANGELO SASAKI, HIROKAZU SASAKI, KATSUNORI SATO, TOMOHIRO SAUDI ARABIAN OIL COMPANY SAUDI ARABIAN OIL COMPANY SAVAGE, SCOTT SAVITSKI, ALEXEI ALEXANDROVICH SAVU, VIRGILIUS-ADRIAN SAWATZKY, GEORGE ALBERT SCHÄDING, CHAD SCHATZMAYR, GERD SCHAUB, MARKUS SCHEIBLER, LUKAS SCHEMMANN, MARCEL F. SCHENNINK, GERALDUS GERARDUS JOHANNES SCHEPIS, ERIC A. SCHEPPACH FABRIKATION VON HOLZBEARBEITUNGSMAR SCHINEN GMBH SCHILLE, RICK SCHLAGE LOCK COMPANY LLC SCHLESINGER, MAIK SCHMIDT, LARISA SCHNEIDER, NICOLAS SCHNEIDER, TODD SCHNELL, URBAN SCHOTZ, CHRISTOPHER D. SCHRAMM, UWE SCHUBERTH, STEFAN SCHWAB-ANDICS, CHRISTINA SCRIBNER, JUNIPER A. SEGUIN, CHRISTOPHER SEGUIN, CHRISTOPHER SEIFFERT, UDO SEKIMATA, KATSUHIKO SELUX DIAGNOSTICS, INC. SENSEBE, LUC	3,048,471 3,048,379 3,048,135 3,048,040 3,048,165 3,048,166 3,048,119 3,048,589 3,048,552 3,048,371 3,048,379 3,048,376 3,047,993 3,048,474 3,048,591 3,048,187 3,048,482 3,048,303 3,048,525 3,048,280 3,048,296 3,048,197 3,048,146 3,048,610 3,048,495 3,048,672 3,048,288 3,048,410 3,048,158 3,048,374 3,048,062 3,048,055 3,048,197 3,048,081 3,048,288 3,048,072 3,048,280 3,048,211 3,048,496 3,048,644 3,048,123 3,048,376 3,048,213 3,048,126

## Index of PCT Applications Entering the National Phase

SESHADRI, ROHIT IYER	3,048,100	SMARTERIALS TECHNOLOGY GMBH		SUN, YINWEI	3,048,084
SEVERN, CRAIG	3,048,490	SMITH, SEAN RONALD	3,048,374	SUN, YINWEI	3,048,088
SEZAN, MUHAMMED IBRAHIM	3,048,387	SMITHS INTERCONNECT, INC.	3,048,621	SUSEK, VIVIAN	3,048,414
SHAALTIEL, YOSEPH	3,048,151	SNELL, RYAN W.	3,047,997	SUTHERLAND, JAMIE N.	3,048,628
SHAN, ZENGHAI	3,048,545	SNIDER, CHRIS R.	3,048,628	SUYES, JOHN R.	3,048,619
SHANGHAI GREEN VALLEY PHARMACEUTICAL CO., LTD.	3,048,554	SOCIETE DES PRODUITS NESTLE S.A.	3,048,410	SUZUKI, CHIKAKO	3,048,174
SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES	3,048,554	SOGA, IWAO	3,048,127	SUZUKI, TOSHIYA	3,048,362
SHANK, GINGER MARIE	3,048,289	SOIN NEUROSCIENCE INC.	3,048,603	SUZUKI, TOSHIYA	3,048,398
SHARP KABUSHIKI KAISHA	3,048,548	SOMICHETTY, GOWRISANKAR	3,048,495	SVANEBJERG, ELO	3,048,336
SHAW, EDWARD E.	3,048,527	SOMMA, MARCELLO	3,048,663	SWIMC, LLC	3,048,237
SHELL INTERNATIONALE RESEARCH	3,048,149	SOMMADOSSI, JEAN-PIERRE	3,048,344	SYDORA, ORSON L.	3,048,628
MAATSCHAPPIJ B.V.		SONIFI SOLUTIONS, INC.	3,048,033	SYNAPTIVE MEDICAL (BARBADOS) INC.	3,048,160
SHELL INTERNATIONALE RESEARCH	3,048,189	SONY CORPORATION	3,048,430	SYNGENTA PARTICIPATIONS AG	3,047,142
MAATSCHAPPIJ B.V.		SONY CORPORATION	3,048,382	SZE, DAVID	3,048,055
SHELL INTERNATIONALE RESEARCH	3,048,404	SPACEGUARD PRODUCTS, INC.	3,048,569	SZYNAL, PHILIPPE	3,048,537
MAATSCHAPPIJ B.V.		SPAGO NANOMEDICAL AB	3,048,191	TABATA, YUJI	3,048,170
SHELL INTERNATIONALE RESEARCH	3,048,405	SPATZ, EDWARD	3,048,552	TAGUCHI, HIDENARI	3,048,152
MAATSCHAPPIJ B.V.		SPATZ, EDWARD	3,048,143	TAGURI, TOMONORI	3,048,376
SHELL INTERNATIONALE RESEARCH	3,048,406	SPEARS, BENJAMIN	3,048,144	TAHMOURESINIA, FERNANDO	3,048,048
MAATSCHAPPIJ B.V.		SPECTRUM BRANDS, INC.	3,048,213	TAHIRI, ABDELLAH	3,048,278
SHELL INTERNATIONALE RESEARCH	3,048,187	SPEEDX PTY LTD	3,047,984	TAIT, BRADLEY	3,048,220
MAATSCHAPPIJ B.V.		SPENCE, DAVID	3,048,046	TAJIRI, YUSUKE	3,048,168
SHELL INTERNATIONALE RESEARCH	3,048,405	SPEX CORPORATE HOLDINGS LTD	3,048,535	TAKAHASHI, NOBUAKI	3,048,601
MAATSCHAPPIJ B.V.		SPOKADE HOLDINGS PTY LTD	3,048,299	TAKAHASHI, TOHRU	3,048,174
SHELL INTERNATIONALE RESEARCH	3,048,406	SRINIVASAN, BALAJI	3,048,338	TAKEBE, YOSHIKI	3,048,175
MAATSCHAPPIJ B.V.		SRINIVASAN, SUNDAR	3,048,609	TALFOURNIER, FRANCOIS	3,048,532
SHEH, FANG	3,048,027	STABILITECH BIOPHARMA LTD	3,048,206	TAMAGAWA, TETSUYA	3,048,154
SHIBATA, SHUN	3,048,388	STACK, LUKE A.	3,048,457	TAPIA VILLANUEVA, CRISTIAN	3,048,067
SHIELDS, DANIEL R.	3,048,481	STACK, LUKE A.	3,048,249	TARASCONI, GIAN LUCA	3,048,341
SHIN, DONG SUK	3,048,492	STANDAERT, ALAIN	3,048,550	TARCIC, GABI	3,048,501
SHINN, SANDRA L.	3,048,003	STEFANY, DAVID W.	3,048,457	TARWADE, VINOD	3,048,289
SHIOHARA, MASAKI	3,048,385	STENMAN, TOMMY	3,048,287	TAYLOR, ROBERT JAMES	3,048,121
SHIONOGI & CO., LTD.	3,048,360	STENZLER, ALEX	3,048,677	TAYLOR, ROBERT JAMES	3,048,132
SHMELTZER, RONI	3,048,159	STEPHAN, DANIEL	3,048,310	TCR2 THERAPEUTICS INC.	3,047,999
SHUBBAR, ABDUL AMIR	3,048,293	STEPHENSON, NEIL A.	3,048,081	TEGLLEY, CHRISTOPHER M.	3,048,217
SHUBBAR, MAHDI	3,048,293	STERIN, ILYA	3,048,511	TEKO TELECOM S.R.L.	3,048,332
SIDRANE, JENNY AGNES	3,048,038	STERN, ERIC	3,048,213	TERBLANCHE, IGNATIUS	
SIDRANE, JENNY AGNES	3,048,044	STOKKEVAG, TERJE	3,048,587	PETRUS STEFANUS	3,048,161
SIGLER, SIMON	3,048,159	STOROPACK HANS		TERLINDEN, GEOFFROY	3,048,550
SIKA TECHNOLOGY AG	3,048,512	REICHENECKER GMBH	3,048,351	TERRAPOWER, LLC	3,048,619
SILVERMAN, JOSHUA A.	3,048,060	STRADER, JOEL E.	3,048,184	TEZUKA, KAZUHIKO	3,048,154
SISTA, SRINIVAS PRASAD	3,048,138	STRADER, JOEL E.	3,048,408	TGE IP LLC	3,048,281
SIVIK, MARK ROBERT	3,046,690	STRANGE, CHRISTIAN	3,048,073	THAEMLITZ, CARL J.	3,047,993
SKINPROTECT CORPORATION SDN BHD	3,048,252	STRUM, JAY C.	3,048,057	THALES	3,048,330
SKINPROTECT CORPORATION SDN BHD	3,048,253	STRUNK, JORDAN	3,048,192	THALES ESECURITY, INC.	3,048,656
SKLAVOUNOS, EVANGELOS	3,048,369	STUURMAN, JEROEN	3,047,863	THANING, MIKKEL JACOB	3,048,104
SKOMRA, ELIZABETH	3,048,441	SU, CHENG-YAO	3,048,074	THATCHER, GREGORY R.	3,048,057
SKORUPSKI, DEREK	3,048,508	SUBRAMANIAM, BALA	3,048,188	THATCHER, RONALD	3,048,638
SLOVENCIK, JEAN-MARC	3,048,351	SUDELAC LIMITED	3,048,309	THE BOARD OF REGENTS OF	
SLUTSKY, ARTHUR	3,048,677	SUMI, NOBUYUKI	3,048,153	THE UNIVERSITY OF	
SMALL, BROOKE L.	3,048,416	SUMITOMO CHEMICAL COMPANY, LIMITED	3,048,379	TEXAS SYSTEM	3,048,635
SMALL, BROOKE L.	3,048,628	SUMMAR, MARSHALL	3,048,432	THE BOARD OF TRUSTEES OF	
SMART SKIN TECHNOLOGIES INC.	3,047,817	SUN, CHUNG CHIN	3,048,074	THE LELAND STANFORD JUNIOR UNIVERSITY	3,048,303
		SUN, NING	3,048,225		
		SUN, REN	3,048,448		

## Index des demandes PCT entrant en phase nationale

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS	3,048,057	TONIX PHARMA HOLDINGS LIMITED	3,048,324	VERLYX PHARMA INC.	3,048,311
THE COCA-COLA COMPANY	3,048,424	TOPSTERS LLC	3,048,207	VESTERGAARD COMPANY A/S	3,048,336
THE GENERAL HOSPITAL CORPORATION	3,048,648	TORAY INDUSTRIES, INC.	3,048,172	VESTERGAARD, STEFAN	3,048,336
THE JOHNS HOPKINS UNIVERSITY	3,048,229	TOSKAS, GEORGIOS	3,048,175	VICTAULIC COMPANY	3,048,135
THE PROCTER & GAMBLE COMPANY	3,046,690	TOSSAVAINEN, JUKKA	3,048,069	VIDNE, MICHAEL	3,048,501
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	3,048,448	TOTAL RESEARCH & TECHNOLOGY FELUY	3,048,372	VIJAYAN, KANDASWAMY	3,048,415
THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE	3,048,613	TOYO SEIKAN CO., LTD.	3,048,550	VIKOR, GYORGY	3,048,142
THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK	3,048,649	TOYODA, SHUNSUKE	3,048,384	VILASECA, DAVID	3,048,632
THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA	3,048,038	TOYODA, SHUNSUKE	3,048,164	VITAL BIOSCIENCES, INC.	3,048,210
THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA	3,048,044	TREVIRANUS, JOACHIM	3,048,358	VITERBO FAINZILBER, ADA	3,048,581
THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	3,048,523	TRIMED, INCORPORATED	3,048,090	VIWIT PHARMACEUTICAL CO., LTD.	3,048,530
THE UNIVERSITY OF BRITISH COLUMBIA	3,048,303	TRINGALI, LUCIANO	3,048,161	VOLGINA, ALLA	3,048,549
THE UNIVERSITY OF QUEENSLAND	3,048,040	TROLLER, STEFAN	3,048,515	VOLLES, MICHAEL J.	3,047,980
THE UNIVERSITY OF TOKYO	3,048,376	TRUDERA LTD	3,048,197	VOLLES, MICHAEL J.	3,048,620
THEISEN, HORST	3,047,422	TSAFNAT, GUY	3,048,128	VON NOVAK, WILLIAM	3,048,625
ATHERIEN, MICHEL	3,048,311	TSUN, ANDY	3,048,338	HENRY	3,048,387
THIBADO, PAUL	3,048,117	TU, CHI-CHIANG	3,048,578	VU, MANH-HUYEN	3,048,262
THILLAİNADARAJAH, KUMARAN	3,047,817	TU, EUGENE	3,047,734	VUGMEYSTER, YULIA	3,048,646
THOMPSON, RONALD H.	3,048,053	TULKE, ANDREAS	3,048,415	VULETICH, JUAN MANUEL	3,048,632
THURING, JOHANNES WILHELMUS JOHN FITZGERALD	3,048,027	TURGEMAN, TIDHAR	3,048,069	W. L. GORE & ASSOCIATES, INC.	3,048,527
TIFFANY, HENRY D., III	3,048,096	TUTHILL CORPORATION	3,048,581	WACKER CHEMIE AG	3,048,054
TINSLEY, DAVID ALLEN	3,048,289	TWEDDLE GROUP, INC.	3,048,047	WAGEMAKER, LORIANNE	
TISSUE TESTING TECHNOLOGIES LLC	3,047,978	TWISTPERFECT, S.L.	3,048,511	IRENE	3,048,158
TITEFLEX CORPORATION	3,048,192	TZIDON, AVIV	3,048,433	WAGNER, CALUM	3,048,642
TKACHEV, ALEKSANDR	3,048,224	TZIDON, DEKEL	3,048,680	WAKE, DANIEL	3,048,135
TODD, ALISON VELYIAN	3,048,046	UBER TECHNOLOGIES, INC.	3,048,680	WAKIYAMA, YOSHINARI	3,048,170
TOHOKU UNIVERSITY	3,048,154	UEKI, ISAO	3,048,145	WALDHUBER, MARKUS	3,048,156
TOHOKU UNIVERSITY	3,048,176	UMEMURA, MAIKO	3,048,589	WALDNER	
TOITGANS, MARC-PHILIPPE	3,048,233	UNIVERSIDAD DE ALICANTE	3,048,176	LABOREINRICHTUNGEN	
TOITGANS, MARC-PHILIPPE	3,048,409	UNIVERSIDAD DE CHILE	3,048,393	GMBH & CO. KG	3,048,534
TOKI, SEIICHI	3,048,598	UNIVERSITAT BERN	3,048,067	WALDNER	
TOMIZAWA, MASAHIKO	3,048,173	UNIVERSITE CLAUDE BERNARD LYON 1	3,048,285	LABOREINRICHTUNGEN	
TOMOEGAWA CO., LTD.	3,048,383	UNIVERSITE DE LORRAINE	3,048,347	GMBH & CO. KG	3,048,547
TONETTI, DEBRA A.	3,048,057	UNIVERSITE PAUL SABATIER TOULOUSE III	3,048,532	WALDORFF, ERIK	3,048,654
		UNIVERSITY OF SOUTHAMPTON	3,048,126	WALLIN, GORAN	3,048,615
		URBAN, RICHARD JOSEPH	3,048,609	WALMART APOLLO, LLC	3,047,395
		URUGUS S.A.	3,048,507	WALMART APOLLO, LLC	3,048,006
		UTHAYANATHAN, SUMAN	3,048,632	WALMART APOLLO, LLC	3,048,019
		VACCARO, GIORGIO	3,048,160	WALMART APOLLO, LLC	3,048,029
		VACIC, ALEKSANDAR	3,048,344	WALMART APOLLO, LLC	3,048,121
		VALMET AB	3,048,213	WALMART APOLLO, LLC	3,048,132
		VAN DER KNAAP, MAURICE CORNELIS ANTONIUS	3,048,615	WALMART APOLLO, LLC	3,048,184
		VAN HERPE, DRIES	3,048,432	WALMART APOLLO, LLC	3,048,226
		VAN ZYL, VIVIAN	3,048,432	WALMART APOLLO, LLC	3,048,228
		VANDERBILT UNIVERSITY	3,048,521	WALMART APOLLO, LLC	3,048,408
		VANDYCK, KOEN	3,048,432	WALMART APOLLO, LLC	3,048,453
		VARVOGLI, ANASTASIA - AIKATERINI	3,048,278	WALMART APOLLO, LLC	3,048,623
		VASGAARD, AARON	3,048,499	WALMART APOLLO, LLC	3,048,630
		VASGAARD, AARON	3,048,121	WAN, ZHAO-KUI	3,048,278
		VEDHOLM, JONAS	3,048,132	WANG, CHAO	3,048,273
		VEMPATI, BRAHMANANDA R.	3,048,080	WANG, CHUNYANG	3,048,546
		VENDRUSCOLO, MICHELE	3,048,069	WANG, CONG	3,048,406
		VENEGAS DIAZ, FERNANDO	3,048,069	WANG, HAISHENG	3,047,980
		VENUGOPAL, ARUN PRASAD	3,048,069	WANG, HUI-LING	3,048,217
		VERCAUTEREN, ANNELIES	3,048,521	WANG, KEVIN	3,048,649
				WANG, LIMIN	3,048,242
				WANG, LIMIN	3,048,426
				WANG, PING	3,047,992
				WANG, SHAN SHUE	3,048,074

## Index of PCT Applications Entering the National Phase

WANG, YA	3,048,649	WUNTKE, LARS	3,048,310	ZALLUHOGLU, UMUT	3,048,050
WANG, ZHONGYUAN	3,048,088	WYNN, RICHARD	3,047,980	ZAMEL, NOE	3,048,677
WANNOP, GEORGE	3,048,061	XIAO, FANGYING	3,048,548	ZATSEPIN, VLADIMIR	3,048,423
WARD, ANDREW	3,048,210	XIAO, JI	3,048,414	ZBOROWSKI, MACIEJ	3,048,654
WARD, GREG	3,047,805	XIAO, KAIJIONG	3,047,980	ZDEPSKI, JOEL WALTER	3,048,430
WATANABE, YOKO	3,048,603	XIAO, KAIJIONG	3,047,986	ZEIDLER, ANDREAS	3,048,072
WATERBOR, FELIX	3,048,337	XIAO, KAIJIONG	3,047,991	ZENG, LIANG	3,043,076
WEBSTER, STEPHEN	3,048,535	XIAO, ZHONGPING	3,048,554	ZENNOU, VERONIQUE	3,048,625
WEI, JENG	3,048,464	XIN, XIANLIANG	3,048,554	ZERR, DERIN MICHAEL	3,048,430
WEI, YANJUN	3,048,549	XING, YANPING	3,048,549	ZHAI, ZONGYU	3,048,406
WEISMAN, PAUL THOMAS	3,046,690	XIONG, RUI	3,048,057	ZHANG, CHONGMING	3,048,548
WELL-SMART TECHNOLOGIES GLOBAL, INC.	2,988,218	XR LATERAL LLC	3,048,143	ZHANG, FENGLEI	3,047,986
WENG, JIAN-GANG	3,048,142	XU, HAO	3,048,144	ZHANG, PAN	3,048,084
WEST, KURTIS K. L.	3,048,249	XU, HENG	3,048,663	ZHANG, PAN	3,048,088
WESTMEYER, PAUL	3,048,001	XU, HUA	3,048,546	ZHANG, ZHENQING	3,048,554
WHITNEY, ANDREW	3,048,487	XU, HUA	3,048,652	ZHAO, JIONG	3,048,057
WIAB WATER INNOVATION AB	3,048,487	XU, MEIZHONG	3,048,665	ZHAO, YIMING	3,048,050
WIAB WATER INNOVATION AB	3,048,133	XU, XUN	3,047,986	ZHAO, YIQIANG	3,048,244
WIDENBRANT, MARTIN J.	3,047,977	XUZHOU HEAVY MACHINERY CO., LTD.	3,048,486	ZHENG, JIAN	3,048,081
WIEDMER, SUSANNE	3,048,369	XYLO TECHNOLOGIES AG	3,048,545	ZHONG, NANSHAN	3,047,734
WIELAND AUSTRIA GES.M.B.H.	3,048,518	YABUSHITA, MASAHIRO	3,048,545	ZHU, CHANGJIAN	3,048,545
WIETH, FRANZ	3,048,077	YADGAR, AVRAHAM	3,048,043	ZHU, RUI	3,048,661
WILKERSON, JAMES ALLAN, JR.	3,048,133	YAKIMOVICH, TERRIS	3,048,359	ZHU, WENYU	3,047,980
WILKIE, DAVID JAMES	3,048,299	YAMADA, KASUMI	3,048,680	ZHU, WENYU	3,047,986
WILKINSON, BRUCE W.	3,047,395	YAMADA, SACHIKO	3,048,039	ZHU, WENYU	3,047,991
WILKINSON, BRUCE W.	3,048,226	YAMAGUCHI, SHIGENARI	3,048,598	ZITELLI, GIANNI	3,048,515
WILKINSON, BRUCE W.	3,048,228	YAMAZAKI, ETSUSHI	3,048,379	ZOLOTARJOVA, NINA	3,047,980
WILLIAMS, DAVID	3,048,183	YAMAGAWA, YUKI	3,048,176	ZOZO, INC.	3,048,594
WILLIAMS, DAVID G., SR.	3,048,199	YANG, CHUAN-CHING	3,048,381	ZUAZO RODRIGUEZ, IAN	
WILLIAMS, KEVIN R.	3,048,137	YANG, KEVIN C.	3,048,170	ALBERTO	3,048,131
WILSON, JAMES M.	3,048,038	YANG, NAIBO	3,048,376	ZUEGG, JOHANNES	3,048,040
WILSON, JAMES M.	3,048,044	YANG, NING	3,048,371	ZWOSTA, NICOLAI	3,048,086
WILSON, JOHN	3,048,496	YANG, NING	3,048,668		
WILSON, JOHN	3,048,644	YAO, WENQING	3,047,980		
WILSON, KERRY	3,048,415	YAO, WENQING	3,047,986		
WINK, STEPHAN	3,048,090	YAO, WENQING	3,047,991		
WINKLE, DAVID C.	3,048,006	YARA INTERNATIONAL ASA	3,048,310		
WINKLE, DAVID C.	3,048,019	YARA INTERNATIONAL ASA	3,048,316		
WINKLE, DAVID C.	3,048,029	YARA INTERNATIONAL ASA	3,048,320		
WINKLE, DAVID C.	3,048,228	YASUKAWA, HIDEHITO	3,048,381		
WINTERING, JENS HERMANN	3,048,547	YE, XIAOJING	3,048,642		
WISHBONE	3,048,355	YE, YINGDA	3,047,980		
WOLFE, KEVIN M.	3,048,441	YE, YINGDA	3,047,986		
WOLLMANN, CHRISTOPHER PAUL	3,048,430	YEHASKEL, ALBERT S.	3,047,729		
WONG, ANNABELLE	3,048,267	YEHASKEL, ALBERT S.	3,047,730		
WONG, BERNARD	3,048,055	YERBIC, PATRICK ALAN	3,048,010		
WU, CHANJUAN	3,043,076	YI, XIANG	3,048,475		
WU, CHIA-CHENG	3,048,467	YOKOI, AYAKO	3,048,598		
WU, DEYU	3,048,546	YOSHIDA, MITSUTERU	3,048,173		
WU, LESTER	3,047,734	YOSHIMI, AKIRA	3,048,176		
WU, LIANGXING	3,047,980	YOSHIMURA, CHIGUSA	3,048,174		
WU, LIANGXING	3,047,986	YOSHIMURA, HIROSHI	3,048,168		
WU, LIANGXING	3,047,991	YOUNG, ARTHUR	3,048,448		
WU, MEILING	3,048,071	YU, JEI-HWA	3,048,467		
WU, NICHOLAS C.	3,048,448	YU, YUE	3,048,426		
WU, TONGFEI	3,048,027	YU, ZHIYONG	3,047,986		
WUCHERER, STEPHAN	3,048,070	ZACCHERINI, SERGIO	3,048,511		
		ZAGHDANE, HELMI	3,048,311		

# Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

## Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

10353744 CANADA LTD.	3,048,263	ELEMENT INTERNATIONAL	MAX CO., LTD.	3,047,264
10353744 CANADA LTD.	3,048,266	TRADE INC.	MINOR, BARBARA	3,044,769
10353744 CANADA LTD.	3,048,268	ETHICON LLC	HAVILAND	3,044,769
10353744 CANADA LTD.	3,048,370	ETI SOLID STATE LIGHTING	MOSELEY, JON	3,045,899
10353744 CANADA LTD.	3,048,375	INC.	MOSSPAN, JOHN W.	3,047,761
ABUSAFIEH, ABDEL	3,046,599	ETIZ, ERHAN	MOULI, NANDINI	3,044,769
ADAPTIVE SPECTRUM AND SIGNAL ALIGNMENT, INC.	3,047,928	EVONIK DEGUSSA GMBH	NAGAOKA, TAKAHIRO	3,047,264
AGNOVOS HEALTHCARE, LLC	3,045,899	GAAL, PETER	NAPPA, MARIO JOSEPH	3,044,769
ALEEM & COMPANY INC.	3,045,584	GENDERS, J. DAVID	NEMASKA LITHIUM INC.	3,047,774
ARC MEDICAL DEVICES, INC.	3,046,665	GINIS, GEORGE	PADIDAM, MALLA	3,048,118
BAR, S. NEIL	3,046,222	GLADKOVAS, MYKOLAS	PEARSE, GARY	3,047,774
BASF PLANT SCIENCE GMBH	3,045,858	GOEL, SAMIR	PERTI, DEEPAK	3,044,769
BAUER, JORG	3,045,858	GOLDBURG, MARC	PERVAN, DARKO	3,047,796
BEE VECTORTING TECHNOLOGY INC.	3,047,565	GOOGLE LLC	PLOUGHMAN, LYNN MARIE	3,048,093
BHUSHAN, NAGA	3,048,064	GROSS, RALF	PONSONNE, DOMINIQUE	3,046,599
BLACKBURN, ROBERT	3,046,599	HAKANSSON, NICLAS	PRICE, ANTHONY	3,048,222
BOGHOSIAN, GLENN		HAMILTON, MICHAEL	PRICE, RICHARD	3,046,599
MALCOLM BOUCHARD, PIERRE	3,047,443	HARRIGAN, KATIE	PURNHAGEN, HEIKO	3,045,686
BOUCKE, EDDY	3,047,774	HINRICH, ERIC	PUZIO, MATTHEW J.	3,048,222
BOURASSA, GUY	3,047,774	IAKOUBOVA, OLGA	QIU, XIAO	3,045,858
BRISTOL-MYERS SQUIBB COMPANY	3,047,774	INTERCEPT	QUALCOMM INCORPORATED	3,048,064
BURDENIUC, JUAN JESUS	3,046,746	PHARMACEUTICALS, INC.	RAHMAN, SHAH ARIFUR	3,048,106
C.R. BARD, INC.	3,047,881	INTREXON CORPORATION	RAO, VELLIYUR NOTT	
CARBON SINK INC.	3,047,633	ITAGAKI, OSAMU	MALLIKARJUNA	3,044,769
CARGILL, MICHELE	3,048,093	JACOBS, WILLIAM	REMINGTON, JAMES A.	3,047,761
CARLSSON, PONTUS	3,045,686	JACOBSSON, JAN	RESTUCCIA, CARMELO LUCA	3,046,599
CELERA CORPORATION	3,048,093	JAIN, GAURAV	REUBER, CLAUS	3,047,881
CHEN, WANSHI	3,048,064	JI, TINGFANG	REWOLINSKI, MELISSA	3,047,776
CIRPUS, PETRA	3,045,858	JOLIBOIS, EMILIE	ROMAN, MARK	3,046,599
CLAYTON, GENEVIEVE	3,047,774	KAO, CHEN I.	SAMSUNG ELECTRONICS	
COINSTAR ASSET HOLDINGS, LLC	3,048,301	INTREXON CORPORATION	CO., LTD.	3,047,262
COLLINSON, MICHAEL HOWARD D. HEARN	3,047,565	ITAGAKI, OSAMU	SAYIN, SUKRU CENK	3,047,470
CYTEC ENGINEERED MATERIALS INC.	3,046,599	JACOBS, WILLIAM	SCHMITZ, CORNEILLE	3,044,769
CYTEC INDUSTRIES INC.	3,046,599	JAIN, GAURAV	REUBER, CLAUS	3,047,881
DAMNjanovic, ALEKSANDAR	3,048,064	KELLER, RENEE JO	REWOLINSKI, MELISSA	3,047,776
DANDAPURE, YOGENDRA V.	3,047,443	KERPEZ, KENNETH	ROMAN, MARK	3,046,599
DATLA, NAGAMANI	3,045,858	KEVAN, PETER G.	SAMSUNG ELECTRONICS	
DEVLIN, JAMES J.	3,048,093	KHADIKAR, VINOD	CO., LTD.	3,047,262
DOLBY INTERNATIONAL AB	3,045,686	KIRCHGESSNER, TODD	SAYIN, SUKRU CENK	3,047,470
DOLE, DOUGLAS R.	3,048,222	KOPPERS DELAWARE, INC.	SCHMITZ, CORNEILLE	3,044,769
DOUGLAS, KATHERINE	3,047,443	KOUSTUBH, RANADE	REUBER, CLAUS	3,047,881
DOYLE, MARC	3,046,599	LACKNER, KLAUS S.	REWOLINSKI, MELISSA	3,047,776
DUBAS-FISHER, FIONA	3,047,776	LAROCHE, NICOLAS	ROMAN, MARK	3,046,599
EBERLIN, ALEX	3,047,776	LECK, THOMAS J.	SAMSUNG ELECTRONICS	
		LENNON, KEVIN	CO., LTD.	3,047,262
		LINDGREN, KENT	SAYIN, SUKRU CENK	3,047,470
		LIU, LINGJIA	SCHMITZ, CORNEILLE	3,044,769
		LOFARO, CARMELO LUCA	REUBER, CLAUS	3,047,881
		LULULEMON ATHLETICA	REWOLINSKI, MELISSA	3,047,776
		CANADA INC.	ROMAN, MARK	3,046,599
		LUO, TAO	SAMSUNG ELECTRONICS	
		MACDOUGALL, JAMIE	CO., LTD.	3,047,262
		MACKIE, STEPHEN CHARLES	SAYIN, SUKRU CENK	3,047,470
		MAGNAN, JEAN-FRANCOIS	SCHMITZ, CORNEILLE	3,044,769
		MALLADI, DURGA PRASAD	REUBER, CLAUS	3,047,881
		MASON, TODD GORDON	REWOLINSKI, MELISSA	3,047,776
		MAURER, ROBERT	ROMAN, MARK	3,046,599

**Index of Canadian Divisional and Previously Unavailable  
Applications Open to Public Inspection**

VICARIO, DANIEL B.	3,048,222
VICTAULIC COMPANY	3,048,222
VIDEBAEK, KARSTEN	3,047,881
VILLEMOES, LARS	3,045,686
WAENERLUND POULSEN, HEIDI	3,047,776
WEI, YONGBIN	3,048,064
WILKES, THOMAS	3,046,222
WILLIAMS, MICHAEL JAMES	3,046,746
WRIGHT, ALLEN B.	3,047,633
WU, GUOHAI	3,045,858
XU, HAO	3,048,064
YUSUF, SHAFEEK ALLEEM	3,045,584
ZERBA, KIM E.	3,048,093
ZHANG, JIANZHONG	3,047,262
ZHANG, YI	3,048,263
ZHANG, YI	3,048,266
ZHANG, YI	3,048,268
ZHANG, YI	3,048,370
ZHANG, YI	3,048,375
ZIEGLER, GORAN	3,047,796