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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.

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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).

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).

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) 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) 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.

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. 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

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

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

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

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

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

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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) or visit their Web site (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) ou visiter leur site Web (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).

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(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

The correspondence procedures and the related practice for written communications to the Commissioner of Patents and the Patent Office under the Patent Act and the Patent Rules is outlined in Chapter 2 of the Manual of Patent Office Practice (MOPOP).

Web Link for MOPOP:

http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/h_wr00720.html

The correspondence procedures and the related practice of written communications with respect to Trademarks and to Industrial Design can be found in the Practice Notice entitled *Correspondence Procedures*, available on CIPO's website.

CIPO Web Link for correspondence procedures pertaining to Trademarks and Industrial Design:

<https://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/wr00633.html>

Publication date: May 10, 2017

Amendment date: June 17, 2019

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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

14. Procédures de correspondance

Les procédures de correspondance et les pratiques connexes de communication écrite au commissaire aux brevets ou au Bureau des brevets en vertu de la Loi sur les brevets et des Règles sur les brevets seront exposées dans le chapitre 2 du Recueil des pratiques du Bureau des brevets (RPBB).

Lien Web pour le RPBB :

http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/h_wr00720.html

Les procédures de correspondance et les pratiques connexes de communication écrite concernant les marques de commerce et les dessins industriels se trouvent dans le document intitulé *Procédures de correspondance*, consultable sur le site Web de l'OPIC.

Lien Web de l'OPIC pour les procédures de correspondance relatives aux marques de commerce et aux dessins industriels :
<https://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/wr00633.html>

Date de publication : 10 mai 2017

Date de modification : 17 juin 2019

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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

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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

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

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 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

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 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 renvoyés à l'expéditeur.

Le formulaire de paiements des frais devrait toujours être

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to CIPO that contains financial information, such as credit card numbers.

Download the [Fee Payment Form](#).

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 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 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,

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 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,

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except statutory holiday	l'exception des jours fériés
<ul style="list-style-type: none">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	<ul style="list-style-type: none">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
8:30 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
<ul style="list-style-type: none">Innovation, Science and Economic Development Canada Library Square 300 West Georgia Street, Suite 2000 Vancouver BC V6B 6E1 Tel.: 604-666-5000	<ul style="list-style-type: none">Innovation, Sciences et Développement économique Canada Library Square 300, rue Georgia Ouest, pièce 2000 Vancouver (C.-B.) V6B 6E1 Tél. : 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

1.2. Services Courrier recommandé^{MC} et Xpresspost^{MC} 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^{MC} et Xpresspost^{MC} de Postes Canada sont des établissements ou des

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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.

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 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

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^{MC} et Xpresspost^{MC} 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 réouverture de l'OPIC au public.

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 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,

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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:

(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.

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)

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.

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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 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

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 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 télécopieur 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

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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;](#)

- [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](#)

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 [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.

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 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

Droits d'auteur

Notices

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](#);
- [filing 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](#).

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](#).

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](#).

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 Electronic medium

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

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

Avis

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.

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

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 modifications relatives à la demande.

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 discrédition 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.

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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-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

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-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.

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

ASCII

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

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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
- 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

- 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 11po)

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

Notices

4. General Information

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

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 Treaty](#)
- [Time period extensions under the Madrid Protocol and the Hague Agreement](#)

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;

4. Renseignements généraux

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

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 coopération en matière de brevets](#)
- [Prorogation des délais en vertu du Protocole de Madrid et de l'Arrangement de La Haye](#)

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^{er} 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^{er} juillet)*;
- Le premier lundi du mois d'août***;
- Fête du travail : Premier lundi du mois de septembre;

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- 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 (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.

- 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 premier 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.

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,

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^{MC}, ou par Xpresspost^{MC} 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

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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 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

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 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

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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 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

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 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^{MC}, par Xpresspost^{MC} ou par voie électronique en utilisant les liens spécifiés à [l'article 2.2](#) des présentes procédures de correspondance. Il est toujours

Notices

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.

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^{MC}, Mastercard^{MC} ou American Express^{MC} 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. Procedures when CIPO is Open to the Public but Clients are Unable to Communicate with the 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.

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

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](#)

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](#)

Avis

- [Patent Rules](#)
- [Regulations under the PCT](#)
- [Trademarks Act](#)
- [Trademarks Regulations](#)

- [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 November 19, 2019 contains applications open to public inspection from November 3, 2019 to November 9, 2019.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 19 novembre 2019 contient les demandes disponibles au public pour consultation pour la période du 3 novembre 2019 au 9 novembre 2019.

Canadian Patents Issued

November 19, 2019

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[54] MODULE ESSUIE-GLACE
[72] CRANE, MICHAEL WILLIAM, US
[72] SANSOTERRA, BRIAN CHRISTOPHER, US
[72] GUSCHEWSKI, NORMAN, US
[73] MAGNA INTERNATIONAL INC.,
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[25] FR
[54] STEEL FOR MANUFACTURING CARBURIZED STEEL PARTS, CARBURIZED STEEL PARTS PRODUCED WITH SAID STEEL, AND METHOD FOR MANUFACTURING SAME
[54] ACIER POUR LA FABRICATION DE PIECES CEMENTEES, PIECE CEMENTEE REALISEE AVEC CET ACIER ET SON PROCEDE DE FABRICATION
[72] MENDIBIDE, CHRISTOPHE, FR
[73] ASCO INDUSTRIES,
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[25] EN
[54] SYSTEM EFFECTIVE TO MONITOR AN AMOUNT OF CHEMICALS IN PORTABLE CONTAINERS
[54] SYSTEME EFFICACE POUR SURVEILLER UNE QUANTITE DE PRODUITS CHIMIQUES DANS UN CONTENEUR DE TRANSPORT
[72] CHOWDHARY, MANJIT, US
[72] WHITE, WALTER, US
[72] HYATT, BOBBY, US
[73] ECONOMY MUD PRODUCTS COMPANY,
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[25] EN
[54] METHOD FOR FORMING AN IMPROVED THERMAL BARRIER COATING (TBC), THERMAL-BARRIER-COATED ARTICLE AND METHOD FOR THE REPAIR THEREOF
[54] PROCEDE DE FORMATION D'UN REVETEMENT BARRIERE THERMIQUE (TBC) AMELIORE, ARTICLE REVETU PAR UNE BARRIERE THERMIQUE ET SON PROCEDE DE REPARATION
[72] DELLA FEMINA, MAURIZIO, IT
[72] ROSSI, MARCO, IT
[72] CASILLO, RAFFAELE, IT
[72] SILVESTRO, CARLO, IT
[73] GE AVIO S.R.L.,
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[54] METHOD FOR GENERATING A THREE-DIMENSIONAL REPRESENTATION OF AN OBJECT
[54] METHODE DE GENERATION D'UNE REPRESENTATION TRIDIMENSIONNELLE D'UN OBJET
[72] VINCENT, GRAHAM RICHARD, GB
[72] BOWES, MICHAEL ANTONY, GB
[73] DEPUY INTERNATIONAL LIMITED,
[73] MAKO SURGICAL CORP.,
[85] 2014-02-05
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[54] SYSTEM AND METHOD FOR AGGREGATING RATINGS FOR MEDIA CONTENT
[54] SYSTEME ET PROCEDE D'AGREGATION D'EVALUATIONS POUR UN CONTENU MULTIMEDIA
[72] MASKATIA, IMRAN, US
[72] RUBINSTEIN, JASON, US
[73] REDBOX AUTOMATED RETAIL, LLC,
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[54] CONTROLLING LIGHT TRANSMISSION THROUGH A MEDIUM
[54] CONTROLE DE TRANSMISSION OPTIQUE A TRAVERS UN SUPPORT
[72] DHOLAKIA, KISHAN, GB
[72] CIZMAR, TOMAS, GB
[73] UNIVERSITY COURT OF THE UNIVERSITY OF ST ANDREWS,
[85] 2014-02-26
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[13] C

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[25] EN
[54] SWITCHED BAND-PASS FILTER
[54] FILTRE PASSE-BANDE COMMUTE
[72] BASINE, ROBERT, US
[73] ROBERT BOSCH GMBH,
[86] (2847756)
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[54] UN AUTO-INJECTEUR A INJECTION D'AIGUILLE SEPAREE
[72] BECHMANN, SOEREN, DK
[72] MADSEN, FLEMMING, DK
[72] JOHANSEN, ESBEN W., DK
[73] MERCK PATENT GMBH,
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[25] EN
[54] METHODS AND SYSTEMS FOR WELL PLANNING BASED ON A COMPLEX FRACTURE MODEL
[54] PROCEDES ET SYSTEMES POUR LA PLANIFICATION DES PUITS BASES SUR UN MODELE DE FRACTURES COMPLEXE
[72] KUMAR, AMIT, US
[72] DUSTERHOFT, RONALD G., US
[72] COLVIN, RICHARD D., US
[72] WILLIAMS, KENNETH E., US
[73] LANDMARK GRAPHICS CORPORATION,
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[54] METHOD AND SYSTEM FOR DETERMINING THE AVAILABILITY OF A LANE FOR A GUIDED VEHICLE
[54] METHODE ET SYSTEME DE DETERMINATION D'UNE DISPONIBILITE DE VOIE POUR UN VEHICULE GUIDE
[72] MURA, JEAN-POL, FR
[72] FORNI, VIRGINIE, FR
[72] NOGUEIRA ALVES, CLARA, FR
[73] SIEMENS S.A.S.,
[85] 2014-03-28
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[72] LIEVENS, SERGE S., US
[72] DE KIMPE, JURGEN P., US
[73] ARTECO NV,
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 [54] COMPOSITIONS PHARMACEUTIQUES DE DERIVES DE CAMPTOTHECINE HYDROPHOBE
 [72] HONG, KEELUNG, US
 [72] TSENG, YUN-LONG, TW
 [72] CHAN, YUNG-HSU, TW
 [72] KAN, PEI, TW
 [72] HUNG, CHIAHUNG, TW
 [73] TAIWAN LIPOSOME COMPANY, LTD.,
 [73] TLC BIOPHARMACEUTICALS, INC.,
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 [54] CONTENANTS COMPOSITES POUR LE STOCKAGE DE PRODUITS PERISSABLES
 [72] GUZZI, BRIAN DANIEL, US
 [72] CASSONI, ROBERT PAUL, US
 [73] KELLOGG COMPANY,
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 [25] EN
 [54] CRANE HAVING AT LEAST ONE CRANE GIRDER, IN PARTICULAR A BRIDGE CRANE OR A PORTAL CRANE
 [54] GRUE COMPORTANT AU MOINS UNE POUTRE DE GRUE, EN PARTICULIER UN PONT ROULANT OU UNE GRUE SUR PORTIQUE
 [72] PASSMANN, CHRISTOPH, DE
 [72] KREISNER, RICHARD, DE
 [72] KARDEN, MICHAEL, DE
 [72] SCHLIERBACH-KNOBLOCH, THOMAS, DE
 [73] KONECRANES GLOBAL CORPORATION,
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 [30] DE (10 2012 102 809.5) 2012-03-30
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 [25] EN
 [54] AUTOMATED FLUID DISPENSING SYSTEM
 [54] SYSTEME DE DISTRIBUTION AUTOMATISEE DE FLUIDE
 [72] BEM, BRANKO, US
 [72] BABIKIAN, DIKRAN, US
 [73] BOBRICK WASHROOM EQUIPMENT, INC.,
 [85] 2014-04-17
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 [30] US (61/549,151) 2011-10-19

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 [25] EN
 [54] A METHOD OF AND A DEVICE FOR REDUCING THE AZIMUTHAL TORQUE ACTING ON A PULLING POD UNIT OR AZIMUTH THRUSTER
 [54] PROCEDE ET DISPOSITIF POUR REDUIRE LE COUPLE AZIMUTAL AGISSANT SUR UNE NACELLE D'HELICE OU SUR UN PROPULSEUR ORIENTABLE
 [72] OTTOSSON, ANDERS, SE
 [72] JOHANSSON, RIKARD, SE
 [73] KONGSBERG MARITIME SWEDEN AB,
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 [54] MITIGATING TRANSMISSION INTERFERENCE BETWEEN DIGITAL RADIO AND BROADBAND COMMUNICATION DEVICES
 [54] ATTENUATION D'INTERFERENCES DE TRANSMISSION ENTRE UNE RADIO NUMERIQUE ET DES DISPOSITIFS DE COMMUNICATION A LARGE BANDE
 [72] SCRIBANO, GINO A., US
 [72] BAKER, MICHAEL H., US
 [72] JIN, XIAOWEI, US
 [73] MOTOROLA SOLUTIONS, INC.,
 [85] 2014-05-12
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[54] REVERSE CIRCULATION BIT ASSEMBLY
[54] ENSEMBLE TREPAN A CIRCULATION INVERSE
[72] JONES, MARK L., US
[72] CURRY, KENNETH M., US
[72] ROSS, JEFFERY T., US
[72] JOHNSON, KYLE E., US
[73] EPIROC DRILLING TOOLS LLC,
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[25] EN
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[54] SONDE DE VITRECTOMIE AYANT UNE DIMENSION D'ORIFICE D'ELEMENT DE COUPE REGLABLE
[72] UNDERWOOD, JOHN R., US
[72] FLOWERS, MATTHEW BRADEN, US
[72] AULD, JACK ROBERT, US
[72] HUCULAK, JOHN CHRISTOPHER, US
[73] ALCON RESEARCH, LTD.,
[85] 2014-06-02
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[25] EN
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[54] TRAVERSE ET PROCEDE DE FORMATION D'UNE TRAVERSE
[72] POTOCKI, JOHN RICHARD, US
[73] MAGNA INTERNATIONAL INC.,
[85] 2014-06-13
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[30] US (61/593,377) 2012-02-01

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[13] C

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[25] EN
[54] SOFA WITH SHIPPING AND USE CONFIGURATIONS
[54] CANAPE AVEC CONFIGURATIONS DE TRANSPORT ET D'UTILISATION
[72] WANG, WALTER, CN
[73] ASHLEY FURNITURE INDUSTRIES, INC.,
[85] 2014-07-25
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[54] REMOTE DOOR OPENER SYSTEM FOR MOTORCYCLES
[54] DISPOSITIF D'OUVRE-PORTE TELECOMMANDE DESTINE AUX MOTOCYCLETTE
[72] DEANGELIS, CHRISTINE, CA
[73] DEANGELIS, CHRISTINE,
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[54] TURBINE A GAZ ET MACHINE ELECTRIQUE
[72] FRENCH, MAT, US
[72] SIEGEL, WILLIAM L., US
[72] BLACKWELDER, MARK J., US
[73] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC.,
[85] 2014-08-15
[86] 2013-02-18 (PCT/US2013/026588)
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[13] C

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[25] EN
[54] METHOD, APPARATUS, AND SYSTEM FOR PROCESSING AUDIO DATA
[54] PROCEDE, APPAREIL ET SYSTEME POUR TRAITER DES DONNEES AUDIO
[72] WANG, ZHE, CN
[73] HUAWEI TECHNOLOGIES CO., LTD.,
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 [54] CRANE, PARTICULARLY BRIDGE CRANE OR GANTRY CRANE, COMPRISING AT LEAST ONE CRANE GIRDER
 [54] GRUE, EN PARTICULIER PONT ROULANT OU GRUE A PORTIQUE, COMPRENANT AU MOINS UNE POUTRE DE GRUE
 [72] PASSMANN, CHRISTOPH, DE
 [72] KREISNER, RICHARD, DE
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 [25] EN
 [54] PIEZOELECTRIC DAMPER SYSTEM FOR AN AXIAL TURBOMACHINE ROTOR
 [54] SYSTEME AMORTISSEUR PIEZOELECTRIQUE POUR ROTOR DE TURBOMACHINE AXIALE
 [72] VIGUIE, REGIS, BE
 [72] PREUMONT, ANDRE, BE
 [72] BASTAITS, RENAUD, BE
 [72] VERHELST, DAMIEN, BE
 [72] MOKRANI, BILAL, BE
 [73] UNIVERSITE LIBRE DE BRUXELLES,
 [73] SAFRAN AERO BOOSTERS SA,
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 [87] (2866756)
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[13] C

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 [25] FR
 [54] DEVICE FOR SUPPLYING ELECTRICAL POWER TO AN AIRCRAFT ON THE GROUND
 [54] DISPOSITIF D'ALIMENTATION ELECTRIQUE D'UN AERONEF AU SOL
 [72] VIEILLARD, SEBASTIEN, FR
 [72] LE DUIGOU, LOIC, FR
 [73] LABINAL POWER SYSTEMS,
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 [30] FR (1252957) 2012-03-30
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 [25] EN
 [54] VITAMIN D AS A TARGETING GROUP FOR THERAPEUTIC PEPTIDES
 [54] VITAMINE D COMME UN GROUPE CIBLE DE PEPTIDES THERAPEUTIQUES
 [72] SOLIMAN, TARIK M., US
 [72] HALES, LAURA M., US
 [72] SARD, HOWARD P., US
 [72] AMERE, MUKKANTI, US
 [73] EXTEND BIOSCIENCES, INC.,
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 [30] US (61/780,346) 2013-03-13
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 [25] EN
 [54] UNIVERSAL HEAD-MIX SWIRL INJECTOR FOR GAS TORCH
 [54] INJECTEUR TOURBILLONNAIRE UNIVERSEL DE MELANGE POUR TETE DE TORCHE A GAZ
 [72] PERISETTY, SHIVA, US
 [72] STAUFFER, GREGORY, US
 [73] THE ESAB GROUP, INC.,
 [85] 2014-11-05
 [86] 2013-05-14 (PCT/US2013/040934)
 [87] (WO2013/173327)
 [30] US (61/646,450) 2012-05-14
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[11] 2,873,688

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 [25] EN
 [54] METHOD AND DEVICE FOR MULTIMODAL NEUROLOGICAL EVALUATION
 [54] PROCEDE ET DISPOSITIF POUR ANALYSE NEUROLOGIQUE MULTIMODALE
 [72] ROTHMAN, NEIL S., US
 [73] BRAINSCOPE COMPANY, INC.,
 [85] 2014-07-17
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 [30] US (13/352,618) 2012-01-18
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[13] C

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 [25] EN
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 [54] COMMANDE DE COUPLE A FAIBLE ONDULATION ET GAMME DE VITESSE ELARGIE DE COMMANDES DE MOTEUR A RELUCTANCE COMMUTEE
 [72] EMADI, ALI, CA
 [72] YE, JIN, CA
 [73] MCMASTER UNIVERSITY,
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<p style="text-align: right;">[11] 2,876,180 [13] C</p> <p>[51] Int.Cl. C12N 15/113 (2010.01) A61K 31/712 (2006.01) C07H 21/04 (2006.01)</p> <p>[25] EN</p> <p>[54] OLIGONUCLEOTIDE-BASED INHIBITORS COMPRISING LOCKED NUCLEIC ACID MOTIF</p> <p>[54] INHIBITEURS À BASE D'OLIGONUCLEOTIDES COMPRENANT UN MOTIF D'ACIDE NUCLEIQUE BLOQUE</p> <p>[72] VAN ROOIJ, EVA, NL [72] DALBY, CHRISTINA M., US [72] MONTGOMERY, RUSTY L., US [73] MIRAGEN THERAPEUTICS, INC., [85] 2014-12-08 [86] 2013-06-21 (PCT/US2013/047157) [87] (WO2013/192576) [30] US (61/662,746) 2012-06-21 [30] US (61/801,533) 2013-03-15</p>	<p style="text-align: right;">[11] 2,877,376 [13] C</p> <p>[51] Int.Cl. H01H 1/54 (2006.01) H01H 50/54 (2006.01)</p> <p>[25] EN</p> <p>[54] ELECTRICAL CONTACT APPARATUS, ASSEMBLIES, AND METHODS OF OPERATION</p> <p>[54] APPAREIL À CONTACT ÉLECTRIQUE, ENSEMBLES, ET PROCÉDÉS DE FONCTIONNEMENT</p> <p>[72] IONESCU, BOGDAN, US [72] HAMMOND, PETER WILLARD, US [72] OSMAN, RICHARD H., US [73] SIEMENS AKTIENGESELLSCHAFT, [85] 2014-12-18 [86] 2013-06-28 (PCT/US2013/048461) [87] (WO2014/004967) [30] US (61/665,988) 2012-06-29 [30] US (13/928,477) 2013-06-27</p>	<p style="text-align: right;">[11] 2,889,391 [13] C</p> <p>[51] Int.Cl. C11D 1/62 (2006.01)</p> <p>[25] EN</p> <p>[54] ESTERQUAT COMPOSITION HAVING HIGH TRIESTERQUAT CONTENT</p> <p>[54] COMPOSITION D'ESTERQUAT PRÉSENTANT UNE TENEUR ÉLEVÉE EN TRIESTERQUAT</p> <p>[72] SCHRAMM, CHARLES JOHN, JR., US [72] TRUONG, KATIE, US [72] WISNIEWSKI, KAREN LEE, US [73] COLGATE-PALMOLIVE COMPANY, [85] 2015-04-24 [86] 2012-12-11 (PCT/US2012/068969) [87] (WO2014/092693)</p>
<p style="text-align: right;">[11] 2,886,415 [13] C</p> <p>[51] Int.Cl. F23K 5/04 (2006.01) F23D 11/24 (2006.01) F23K 5/14 (2006.01) F23N 1/00 (2006.01) F23N 5/24 (2006.01) B60H 1/22 (2006.01)</p> <p>[25] EN</p> <p>[54] HEATING DEVICE OPERATED WITH LIQUID FUEL</p> <p>[54] SYSTEME DE CHAUFFAGE FONCTIONNANT AVEC UN COMBUSTIBLE LIQUIDE</p> <p>[72] SOPPA, NICO, DE [73] SPHEROS GMBH, [85] 2015-03-27 [86] 2013-08-02 (PCT/EP2013/066303) [87] (WO2014/063845) [30] DE (10 2012 110 103.5) 2012-10-23</p>	<p style="text-align: right;">[11] 2,892,489 [13] C</p> <p>[51] Int.Cl. F16L 55/163 (2006.01)</p> <p>[25] EN</p> <p>[54] INNER SEAL COLLAR WITH IMPROVED LOCKING MECHANISM</p> <p>[54] MANCHETTE INTÉRIEURE DE GARNITURE D'ETANCHEITÉ À MECANISME D'ARRÊT AMÉLIORÉ</p> <p>[72] GRAF, JURGEN, DE [72] GRAF, JOACHIM, DE [73] GRAF PATENTVERWERTUNGS GBR, [85] 2015-05-21 [86] 2013-11-21 (PCT/EP2013/074424) [87] (WO2014/079955) [30] DE (10 2012 111 341.6) 2012-11-23 [30] DE (20 2012 012 667.9) 2012-11-23</p>	

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 - [54] DENTAL SCANNER DEVICE AND RELATED METHOD
 - [54] DISPOSITIF DE TOMODENSITOMETRIE DENTAIRE ET METHODE ASSOCIEE
 - [72] FERNANDEZ PULIDO, ALFONSO, ES
 - [72] DE PABLOS GARCIA, DAVID, ES
 - [73] APOLLO ORAL SCANNER, LLC,
 - [85] 2015-05-27
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 - [54] MECANISME D'EMBALLAGE INTEGRE A RACCORD A POUSSOIR, DISPOSITIF ET METHODES
 - [72] CROMPTON, DAVID B., US
 - [72] DIAS, LIBARDO OCHOA, US
 - [73] QUICK FITTING, INC.,
 - [86] (2893394)
 - [87] (2893394)
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 - [54] OVERHEAD LUGGAGE COMPARTMENT FOR AIRCRAFT
 - [54] COMPARTIMENT A BAGAGES SUPERIEUR POUR AVIONS
 - [72] KAMMERER, BERNHARD, AT
 - [72] SCHORKHUBER, JAKOB, AT
 - [73] FACC AG,
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 - [54] INTEGRATED STEERING DEVICE
 - [54] DISPOSITIF DE DIRECTION INTEGRE
 - [72] SIMCHONY, TAL, IL
 - [72] SINAY, AVRAHAM, IL
 - [72] KRIVORUK, ILIA, IL
 - [73] G.I. VIEW LTD.,
 - [85] 2015-07-17
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 - [54] CONTACT DEVICE FOR CONTACTING A CONTACT CONDUCTOR ARRANGEMENT
 - [54] DISPOSITIF D'ETABLISSEMENT D'UN CONTACT ELECTRIQUE AVEC UN SYSTEME DE CONDUCTEURS DE CONTACT
 - [72] GAM SJAGER, TOBIAS, AT
 - [73] SCHUNK BAHN- UND INDUSTRIECHNIK GMBH,
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 - [86] 2014-02-04 (PCT/EP2014/052157)
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 - [54] POLYMERES ET COPOLYMERES DE POLYAMIDE N-ALKYLES TELECHELIQUES
 - [72] ERDODI, GABOR, US
 - [72] POURAHMADY, NASER, US
 - [72] LAI, JOHN TA-YUAN, US
 - [73] LUBRIZOL ADVANCED MATERIALS, INC.,
 - [85] 2015-07-31
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- [72] PAJERSKI, ANTHONY D., US
- [73] LUBRIZOL ADVANCED MATERIALS, INC.,
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[54] PRODUCTION AMELIOREE DE PETROLE A L'AIDE D'UNE COMMANDE DE LA PRESSION DE GAZ DU CUVELAGE DE PUITS
[72] MCCRICKARD, JAMES P., US
[72] PETERSON, RONALD G., US
[72] BECK, THOMAS L., US
[72] DRY, MICHAEL D., US
[72] SMIGURA, THERESA, US
[73] UNICO, LLC,
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[86] 2014-03-07 (PCT/US2014/021828)
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[54] OSTOMY APPLIANCE
[54] APPAREIL DE STOMIE
[72] WILTSHIRE, NEIL, GB
[72] ARGENT, PETER, GB
[73] SALTS HEALTHCARE LIMITED,
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[86] 2014-03-14 (PCT/GB2014/050823)
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[25] EN
[54] AMBIENT CURABLE CORROSION RESISTANT SOL-GEL COATING AND COMPOSITION AND PROCESS FOR MAKING THE SAME
[54] REVETEMENT SOL-GEL RESISTANT A LA CORROSION ET DURCISSABLE A TEMPERATURE AMBIANTE AINSI QUE SA COMPOSITION ET SON PROCEDE DE FABRICATION
[72] KRAMER, KIRK, US
[72] SALET, LISA K., US
[73] HENKEL AG & CO. KGAA,
[85] 2015-09-14
[86] 2014-03-12 (PCT/IB2014/001103)
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[25] EN
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[54] DISPOSITIFS D'AFFICHAGE DE SECURITE, LEUR FABRICATION ET LEUR UTILISATION
[72] MACPHERSON, CHARLES DOUGLAS, US
[72] GARANZOTIS, THEODOROS, CA
[73] BANK OF CANADA,
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[54] PPROCEDE ET SYSTEME DE REPRISE
[72] ALLEN, GREGORY ARTHUR, CA
[72] MOROSAN, TUDOR, CA
[72] DUMITRACHE, ADRIAN G., CA
[72] PHILIPS, PATRICK J., CA
[73] TSX INC.,
[85] 2015-10-30
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[54] SEAM WELDING METHOD AND VEHICLE BODY
[54] PRODEDE DE SOUDURE DE RACCORD ET CARROSSERIE DE VEHICULE
[72] KAWAI, YASUHIRO, JP
[72] KURIMOTO, NORIKO, JP
[72] KANEKO, MITSUGU, JP
[72] KOBAYASHI, HARUHIKO, JP
[72] YAMAASHI, KAZUHIKO, JP
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[54] GROUPE D'AVANCE TEMPORELLE DANS UNE AMELIORATION DE PETITE CELLULE LTE
[72] BLANKENSHIP, YUFEI WU, US
[72] GAO, SHIWEI, CA
[72] XU, HUA, CA
[73] BLACKBERRY LIMITED, [85] 2016-01-19
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[54] METHOD FOR PREPARING PLURIPOTENT STEM CELLS
[54] PROCEDE DE PREPARATION DE CELLULES SOUCHE PLURIPOTENTES
[72] OKAIRI, RISA, JP
[72] NISHIMURA, MASUHIRO, JP
[72] WADA, TAMAKI, JP
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[54] SYSTEME A HAUTES PERFORMANCES ASSURANT UNE FUSION SELECTIVE DE SEGMENTS DE TRAME DE DONNEES EN MATERIEL
[72] FLINNSBAUGH, JACK W., US
[72] JONES, JUSTIN, US
[72] MULLENDORE, RODNEY N., US
[72] TOMLIN, ANDREW J., US
[73] WESTERN DIGITAL TECHNOLOGIES, INC., [85] 2016-03-04
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[54] PHYSICAL UPLINK CONTROL MANAGEMENT IN LTE/LTE-A SYSTEMS WITH UNLICENSED SPECTRUM
[54] GESTION DE COMMANDE DE LIAISON MONTANTE PHYSIQUE DANS DES SYSTEMES LTE/LTE-A A SPECTRE NON AUTORISE
[72] CHEN, WANSHI, US
[72] DAMNJANOVIC, ALEKSANDAR, US
[72] YERRAMALLI, SRINIVAS, US
[72] LUO, TAO, US
[72] GAAL, PETER, US
[73] QUALCOMM INCORPORATED, [85] 2016-03-09
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[25] EN
[54] VEHICLE DOOR CONTROL SYSTEM
[54] SYSTEME DE COMMANDE DE PORTIERE DE VEHICULE
[72] SAUERWEIN, SVEN, CA
[72] BROADHEAD, DOUGLAS, CA
[72] HETZLER, MARKUS, CA
[72] KENWORTHY, GARETH, CA
[72] ENGLISH, MITCHELL, CA
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[25] EN
[54] WELLBORE ISOLATION DEVICE MADE FROM A POWDERED FUSIBLE ALLOY MATRIX
[54] DISPOSITIF D'ISOLATION DE FORAGE FABRIQUE A PARTIR D'UNE MATRICE D'ALLIAGE FUSIBLE PULVERULENT
[72] MURPHREE, ZACHARY R., US
[72] FRIPP, MICHAEL L., US
[72] WALTON, ZACHARY W., US
[73] HALLIBURTON ENERGY SERVICES, INC., [85] 2016-03-22
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ARCHITECTURE USING
CHANNELIZER AND MATRIX
POWER AMPLIFIER
- [54] ARCHITECTURE FDMA/TDMA
NOVATRICE EMPLOYANT UN
CANALISEUR ET UN
AMPLIFICATEUR DE PUISSANCE
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- [72] HAHN, CARL J., III, US
- [72] ROSENHECK, LEONARD, US
- [73] THE BOEING COMPANY,
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SECURITY
- [54] SECURITE DE DONNEES A BASE
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- [72] RUNDLE, ROBERT, US
- [72] BAX, NICOLAAS PLEUN, US
- [72] PARTIPILO, MICHELANGELO, US
- [73] BAKER HUGHES INCORPORATED,
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- [25] EN
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PROGRAM FOR DETERMINING
CASTING STATE IN
CONTINUOUS CASTING
- [54] PROCEDE, DISPOSITIF ET
PROGRAMME PERMETTANT DE
DETERMINER L'ETAT D'UNE
COULEE LORS D'UNE COULEE
CONTINUE
- [72] KOSUGI, SATOSHI, JP
- [72] OKAZAWA, KENSUKE, JP
- [72] NAKAGAWA, JUNICHI, JP
- [73] NIPPON STEEL CORPORATION,
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- [25] EN
- [54] CORED WIRE, METHOD AND
DEVICE FOR THE PRODUCTION
- [54] FIL A AME, METHODE ET
DISPOSITIF DE PRODUCTION
- [72] KENDALL, MARTIN, BE
- [72] WHITAKER, ROBERT CHARLES,
GB
- [72] STRAETEMANS, MARC, BE
- [72] CHILDS, JACK, GB
- [72] FEYTONGS, DOMINIQUE, BE
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- [25] EN
- [54] CLAM SHELL PUSH-TO-
CONNECT ASSEMBLY
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POUSSEE DE TYPE COQUE A
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[72] KULKARNI, VINAY, IN
[72] GUBBI, CHETAN KUMAR VISWANATH, IN
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 [25] FR
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 [72] MALLET, LAURENT, FR
 [72] IVALDI, FREDERIC, FR
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 [54] OUTIL SERVANT A SEPARER OU A FACILITER LA SEPARATION D'UN CONDUIT
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 [72] YOUNGER, RAE, GB
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[25] EN
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METHOD, TERMINAL, AND
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REMOVAL WITH CERAMIC
MATERIAL AND MICROWAVES
[54] SYSTEME ET PROCEDE POUR
L'ELIMINATION DE BLOCAGE
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DISPENSING MACHINE
INCLUDING MIXING MANIFOLD
[54] MACHINE DE DISTRIBUTION DE
PRODUIT ALIMENTAIRE
CONGELE COMPRENANT UN
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INTRA BLOCK COPY
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 - [54] PROCEDE DE PREPARATION DE MANIERE CATALYTIQUE D'UN ALCOOL DIHYDRIQUE A FAIBLE TENEUR EN CARBONE A PARTIR D'HYDRATE DE CARBONE A L'AIDE D'UN CATALYSEUR EN ALLIAGE
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 - [54] SYSTEME D'AFFICHAGE D'IMAGES, PROCEDE DE COMMANDE D'UN SYSTEME D'AFFICHAGE D'IMAGES, SYSTEME DE DISTRIBUTION D'IMAGES ET VISIOCASQUE
 - [72] FUKUDA, HIROSHI, JP
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- [72] HARDESTY, JOHN T., US
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 - [72] MONROS, SERGE V., US
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 - [73] OSMOSE UTILITIES SERVICES, INC.,
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- [54] **METHOD FOR CREATING NUTRIENT RICH BIOLOGICALLY ACTIVE SOILS AND HORTICULTURE MEDIA WITH PREDETERMINED CHARACTERISTICS**
- [54] **PROCEDE DE CRÉATION DE SOLS BIOLOGIQUEMENT ACTIFS RICHES EN NUTRIMENTS ET DE MILIEUX D'HORTICULTURE PRÉSENTANT DES CARACTÉRISTIQUES PRÉDEFINIES**
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 - [54] **MACHINE DE TRAITE MECANISEE COMPORTANT UN DISPOSITIF D'INJECTION D'UN PRODUIT DE RINCAGE DE TUYAU SERVANT A ACHEMINER LE LAIT VERS LE RESERVOIR DE LAIT**
 - [72] CABON, ALAIN, FR
 - [73] BOUMATIC LLC,
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- [72] FOUTREL, PATRICE, FR
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- [72] WENDEL, ANDREAS, US
- [72] XU, ZHINAN, US
- [72] SILVER, DAVID HARRISON, US
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- [54] METHODE ET SYSTEME D'ENTOURAGE D'ATTACHES DANS UN PROCEDE DE FABRICATION DE MASQUE FACIAL
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- [54] SYSTEME DE NOTIFICATION DE VEHICULE AUTONOME
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- [72] GUO, JISI, US
- [72] BRANNSTROM, SEBASTIAN ROLF JOHAN, US
- [72] GARMS, JESS, US
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- [72] LACH, PATRICK, CA
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- [73] MAXI-THERME INC.,
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- [72] CONNELL, JASON, US
- [73] NEW YORK AIR BRAKE LLC,
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METHOD FOR DETECTING
POWER GRID ELECTRIC
TRANSIENTS AND ELECTRIC
MANAGEMENT SYSTEM WITH
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[54] DETECTEUR DE TRANSITOIRES
DANS UN RESEAU ELECTRIQUE,
PROCEDE DE DETECTION DE
TRANSITOIRES DANS UN
RESEAU ELECTRIQUE ET
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[72] AGBOSSOU, KODJO MAWUPE, CA
[72] LE COURTOIS, ERIC, CA
[72] CARDENAS, ALBEN, CA
[72] FOURNIER, MICHAEL, CA
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FILTRE AVEC CORDE OU SANS
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SACHET DE THE
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<p style="text-align: right; margin-top: -10px;">[21] 3,026,939</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B60B 30/00 (2006.01)</p> <p>[25] EN</p> <p>[54] PROTECTIVE PLUG</p> <p>[54] CAPUCHON PROTECTEUR</p> <p>[72] CZARNIK, SEBASTIEN, PL</p> <p>[72] CZARNIK, PAWEL, PL</p> <p>[71] DIPOL PLASTIC TECHNOLOGY SP. Z O.O., PL</p> <p>[22] 2018-12-10</p> <p>[41] 2019-11-09</p> <p>[30] PL (W.127311) 2018-05-09</p>	<p style="text-align: right; margin-top: -10px;">[21] 3,037,014</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B66D 1/34 (2006.01) B65H 75/44 (2006.01) B66D 1/60 (2006.01) E21B 19/08 (2006.01)</p> <p>[25] EN</p> <p>[54] A DRUM ASSEMBLY ADAPTED TO ACCOMMODATE WIRE ACCESS LINES OF VARYING DIAMETERS</p> <p>[54] ENSEMBLE TAMBOUR ADAPTE POUR ACCUEILLIR DES LIGNES D'ACCES POUR CABLES DE DIAMETRES VARIABLES</p> <p>[72] NERO, KENNETH M., US</p> <p>[71] MAGNETIC FIELD EFFECTS, LLC, US</p> <p>[22] 2019-03-18</p> <p>[41] 2019-11-03</p> <p>[30] US (15/970,533) 2018-05-03</p>	<p style="text-align: right; margin-top: -10px;">[21] 3,038,402</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. F25D 21/04 (2006.01) E06B 3/46 (2006.01) F25D 13/00 (2006.01) F25D 23/02 (2006.01)</p> <p>[25] EN</p> <p>[54] ENCLOSURE FOR REFRIGERATING CHAMBERS</p> <p>[54] ENCEINTE DESTINEE A DES CHAMBRES REFRIGEREES</p> <p>[72] IGLESIAS BALLESTER, MIGUEL ANGEL, ES</p> <p>[71] AMISERRU, S.L., ES</p> <p>[22] 2019-03-29</p> <p>[41] 2019-11-04</p> <p>[30] ES (201830440) 2018-05-04</p>
<p style="text-align: right; margin-top: -10px;">[21] 3,027,947</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A01G 9/24 (2006.01) A01G 9/02 (2018.01) A01G 9/20 (2006.01) A01G 31/02 (2006.01)</p> <p>[25] EN</p> <p>[54] ROTARY GARDEN APPARATUS, METHOD AND SYSTEM</p> <p>[54] APPAREIL DE JARDINAGE ROTATIF, METHODE ET SYSTEME</p> <p>[72] BROWN, PAUL WILLIAM, CA</p> <p>[71] BROWN, PAUL WILLIAM, CA</p> <p>[22] 2018-12-14</p> <p>[41] 2019-11-08</p> <p>[30] US (62/668,417) 2018-05-08</p>	<p style="text-align: right; margin-top: -10px;">[21] 3,037,314</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. F04B 47/02 (2006.01)</p> <p>[25] EN</p> <p>[54] PUMPING UNIT COUNTERWEIGHT BALANCING</p> <p>[54] EQUILIBRAGE A CONTREPOIDS DE MODULE DE POMPAGE</p> <p>[72] ROBISON, CLARK E., US</p> <p>[72] KING, ALEXANDER D., US</p> <p>[72] PAULET, BRYAN A., US</p> <p>[72] EBRAHIMI, BEHROUZ, US</p> <p>[72] WOODWARD, MILO B., US</p> <p>[72] GOMES, JEREMY M., US</p> <p>[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US</p> <p>[22] 2019-03-20</p> <p>[41] 2019-11-07</p> <p>[30] US (15/972,746) 2018-05-07</p>	<p style="text-align: right; margin-top: -10px;">[21] 3,038,934</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B29C 48/345 (2019.01) B29C 48/09 (2019.01)</p> <p>[25] EN</p> <p>[54] MULTIPLE EXTRUSION HEAD</p> <p>[54] TETE D'EXTRUSION MULTIPLE</p> <p>[72] LANG, KLAUS, DE</p> <p>[71] W. MULLER GMBH, DE</p> <p>[22] 2019-04-03</p> <p>[41] 2019-11-07</p> <p>[30] EP (EP 18171095.5) 2018-05-07</p>

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 [72] MOGA, CORINA, US
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 [72] NEFF, INGMAR, DE
 [72] WEBER, SIEGFRIED, DE
 [71] HARRO HOFLIGER
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 [72] GABUR, ANDREI-MIHAI, US
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 [72] LUGOMER, ANITA, US
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 [72] BRIDEGAN, JARED, US
 [72] DALCU, DAVID, US
 [72] HENSCH, EDWARD ALLEN, US
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 [54] **MECANISME DE LEVAGE DE LIT
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 SERVICE**
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 [72] AYOUB, SAMEH, CA
 [71] BLACKBERRY LIMITED, CA
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 [54] **ASSEMBLAGES DE RENFORTS
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 [72] WILLIAMS, JUSTIN, US
 [72] PRIBANIC, RUSSELL, US
 [72] MARCZYK, STANISLAW, US
 [71] COVIDIEN LP, US
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 [54] **RENFORTS D'AGRAFAGE
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 ASSEMBLIES**
 [54] **MECANISMES DE CHARGEMENT
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 [72] MOHANASUNDARAM, SURESH
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 CORRESPONDING MONITORING
 SYSTEM AND COMPUTER
 PROGRAM PRODUCT**
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 SURVEILLANCE D'ETAT
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<p style="text-align: right;">[21] 3,041,482</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A47B 3/10 (2006.01) A45F 3/46 (2006.01) A47B 3/06 (2006.01)</p> <p>[25] EN</p> <p>[54] COMPACT CAMPING TABLE</p> <p>[54] TABLE DE CAMPING COMPACTE</p> <p>[72] GARRISON, SCOTT, US</p> <p>[71] RIO BRANDS, LLC, US</p> <p>[22] 2019-04-29</p> <p>[41] 2019-11-04</p> <p>[30] US (62/666,805) 2018-05-04</p> <p>[30] US (16/396,658) 2019-04-27</p>	<p style="text-align: right;">[21] 3,041,499</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B62B 3/02 (2006.01)</p> <p>[25] EN</p> <p>[54] FOLDING WHEELED CART</p> <p>[54] CHARIOT ROULANT PLIANT</p> <p>[72] GARRISON, SCOTT, US</p> <p>[72] ZHANG, XIANG SHAN, CN</p> <p>[71] RIO BRANDS, LLC, US</p> <p>[22] 2019-04-29</p> <p>[41] 2019-11-04</p> <p>[30] US (62/666,796) 2018-05-04</p> <p>[30] US (16/393,871) 2019-04-24</p>	<p style="text-align: right;">[21] 3,041,589</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. F23D 14/62 (2006.01) F23D 14/02 (2006.01)</p> <p>[25] EN</p> <p>[54] PREMIXING DEVICE AND COMBUSTION DEVICE</p> <p>[54] DISPOSITIF DE PREMELANGE ET DISPOSITIF DE COMBUSTION</p> <p>[72] KANAZAWA, KOKI, JP</p> <p>[71] PALOMA CO., LTD., JP</p> <p>[22] 2019-04-29</p> <p>[41] 2019-11-09</p> <p>[30] JP (2018-090848) 2018-05-09</p> <p>[30] US (16/254,936) 2019-01-23</p>

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<p style="text-align: right;">[21] 3,041,692</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H04N 21/238 (2011.01) H04L 29/06 (2006.01)</p> <p>[25] EN</p> <p>[54] MULTICHANNEL VIDEO PROGRAMMING DISTRIBUTOR STREAM CONTROLLER</p> <p>[54] CONTROLEUR DE FLUX DE DISTRIBUTEUR DE PROGRAMMATION VIDEO MULTICANAUX</p> <p>[72] MILFORD, MATTHEW A., US</p> <p>[71] ARRIS ENTERPRISES LLC, US</p> <p>[22] 2019-04-30</p> <p>[41] 2019-11-03</p> <p>[30] US (62/666,651) 2018-05-03</p>	<p style="text-align: right;">[21] 3,041,697</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H02S 10/00 (2014.01) H02S 40/36 (2014.01) H01L 31/028 (2006.01)</p> <p>[25] EN</p> <p>[54] PHOTOVOLTAIC MODULE AND METHOD OF MAKING THE SAME</p> <p>[54] MODULE PHOTOVOLTAIQUE ET METHODE DE FABRICATION ASSOCIEE</p> <p>[72] XIA, ZHENGYUE, CN</p> <p>[72] YAN, XINCHUN, CN</p> <p>[72] XU, JIE, CN</p> <p>[72] DING, ZENGQIAN, CN</p> <p>[72] XING, GUOQIANG, CN</p> <p>[71] CSI SOLAR POWER GROUP CO., LTD., CN</p> <p>[71] CANADIAN SOLAR SOLUTIONS INC., CA</p> <p>[22] 2019-04-30</p> <p>[41] 2019-11-04</p> <p>[30] CN (201810420990.2) 2018-05-04</p>	<p style="text-align: right;">[21] 3,041,701</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E21B 10/46 (2006.01) E21B 10/56 (2006.01)</p> <p>[25] EN</p> <p>[54] SUPERHARD CUTTER WITH SPIKES</p> <p>[54] COUTEAU SUPER DUR DOTE DE CRAMPONS</p> <p>[72] BELLIN, FEDERICO, US</p> <p>[71] VAREL INTERNATIONAL IND., L.L.C., US</p> <p>[22] 2019-04-30</p> <p>[41] 2019-11-04</p> <p>[30] US (62/667,157) 2018-05-04</p>

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<p style="text-align: right;">[21] 3,042,074 [13] A1</p> <p>[51] Int.Cl. G06Q 10/06 (2012.01) G06Q 10/10 (2012.01) G06Q 50/10 (2012.01) [25] EN [54] A COMPUTER-IMPLEMENTED METHOD AND SYSTEM FOR MANAGING CHILD CARE SERVICES IN REAL-TIME [54] UNE METHODE INFORMATIQUE ET UN SYSTEME DE GESTION DE SERVICES DE SOINS A L'ENFANCE EN TEMPS REEL [72] TRANG, HON, CA [71] TRANG, HON, CA [22] 2019-05-01 [41] 2019-11-08 [30] US (15/974,152) 2018-05-08</p>		

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[54] RENDERING STREAM CONTROLLER
[54] CONTROLEUR DE CHAINE D'EQUARRISSEMENT
[72] MILFORD, MATTHEW A., US
[71] ARRIS ENTERPRISES LLC, US
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[54] DISPOSITIFS AERODYNAMIQUES SERVANT A DEPLACER LES VEHICULES
[72] BRERETON, TIMOTHY, US
[72] SIMMONS, BRETT, US
[71] INVENTURE HOLDINGS, LLC, US
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[54] CLAPET ANTIRETOUR
[72] GANNATAL, JAMES M., US
[72] LASSAS, MICHAEL W., US
[72] HAYES, CALVIN C., US
[71] PROCO PRODUCTS, INC., US
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[54] SYSTEM AND METHOD FOR QUEUE LOAD BALANCING
[54] SISTÈME ET MÉTHODE D'EQUILIBRAGE DE CHARGEMENT EN FILE D'ATTENTE
[72] MONTCALM, MICHAEL, CA
[71] MITEL NETWORKS CORPORATION, CA
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[25] EN
[54] FILTRATION MASK, PACKAGED FILTRATION MASK, AND TEARABLE CONTAINER
[54] MASQUE DE FILTRATION, MASQUE DE FILTRATION EMBALLE ET CONTENANT DECHIRABLE
[72] HUNTER, NICHOLAS JOHN, GB
[72] SMITH, PHILIP ADAM, GB
[71] AVON POLYMER PRODUCTS LIMITED, GB
[22] 2019-05-02
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[51] Int.Cl. A61K 47/68 (2017.01) A61K 38/17 (2006.01) A61P 7/00 (2006.01)
[25] EN
[54] METHODS OF TREATING KAWASAKI DISEASE
[54] METHODES DE TRAITEMENT DE LA MALADIE DE KAWASAKI
[72] PORTMAN, MICHAEL A., US
[71] SEATTLE CHILDREN'S HOSPITAL (DBA SEATTLE CHILDREN'S RESEARCH INSTITUTE, US
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<p>[21] 3,042,134 [13] A1</p> <p>[51] Int.Cl. C10G 3/00 (2006.01) C10G 49/08 (2006.01) C11B 1/00 (2006.01) A01H 6/20 (2018.01) A01H 17/00 (2006.01) C11B 3/00 (2006.01) C12N 1/20 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR PRODUCING RENEWABLE FUELS</p> <p>[54] METHODE DE PRODUCTION DE COMBUSTIBLES RENOUVELABLES</p> <p>[72] JOKELA, PEKKA, FI</p> <p>[72] RANTA, LIISA, FI</p> <p>[72] LEHESVIRTA, TIMO, FI</p> <p>[71] UPM-KYMMENE CORPORATION, FI</p> <p>[22] 2019-05-01</p> <p>[41] 2019-11-03</p> <p>[30] FI (20185411) 2018-05-03</p>	<p>[21] 3,042,166 [13] A1</p> <p>[51] Int.Cl. E04B 1/38 (2006.01) E04B 1/41 (2006.01) E04B 2/90 (2006.01) E04F 13/21 (2006.01) E04F 13/24 (2006.01) F16B 19/02 (2006.01) F16B 43/00 (2006.01)</p> <p>[25] EN</p> <p>[54] CENTERING SLEEVE AND METHOD FOR FASTENING</p> <p>[54] MANCHON DE CENTRAGE ET METHODE DE FIXATION</p> <p>[72] MAIR, ROLAND, CH</p> <p>[72] PALM, ERICH, CH</p> <p>[71] SFS INTEC HOLDING AG, CH</p> <p>[22] 2019-05-02</p> <p>[41] 2019-11-04</p> <p>[30] EP (18 170 723.3) 2018-05-04</p>	<p>[21] 3,042,189 [13] A1</p> <p>[51] Int.Cl. F04D 13/02 (2006.01) E21B 33/14 (2006.01) E21B 43/26 (2006.01) F04D 13/06 (2006.01) F04D 13/12 (2006.01) F04D 15/00 (2006.01) F04D 29/00 (2006.01)</p> <p>[25] EN</p> <p>[54] MOBILE PUMP SYSTEM</p> <p>[54] SYSTEME DE POMPE MOBILE</p> <p>[72] CURRY, MATTHEW, US</p> <p>[72] COMBS, CHRISTOPHER, US</p> <p>[71] RED LION CAPITAL PARTNERS, LLC, US</p> <p>[22] 2019-05-03</p> <p>[41] 2019-11-04</p> <p>[30] US (62/666,945) 2018-05-04</p>
<p>[21] 3,042,170 [13] A1</p> <p>[51] Int.Cl. B62D 25/18 (2006.01) B62D 37/02 (2006.01)</p> <p>[25] EN</p> <p>[54] FLOW RESTRICTING DEFLECTOR</p> <p>[54] DEFLECTEUR LIMITEUR D'ECOULEMENT</p> <p>[72] SMITH, JEFFREY P., US</p> <p>[71] PACCAR INC, US</p> <p>[22] 2019-05-03</p> <p>[41] 2019-11-03</p> <p>[30] US (15/970685) 2018-05-03</p>	<p>[21] 3,042,190 [13] A1</p> <p>[51] Int.Cl. E04H 4/14 (2006.01) E01D 18/00 (2006.01) E04F 11/00 (2006.01) E04H 4/00 (2006.01) E04H 4/04 (2006.01)</p> <p>[25] EN</p> <p>[54] BEACH ENTRY FIBERGLASS POOL SYSTEM</p> <p>[54] SYSTEME DE PISCINE EN FIBRE DE VERRE A ENTREE PROGRESSIVE</p> <p>[72] KHAMIS, WILLIAM, US</p> <p>[72] VONDELL, EDWARD, US</p> <p>[71] THURSDAY POOLS, US</p> <p>[22] 2019-05-03</p> <p>[41] 2019-11-04</p> <p>[30] US (15/971,014) 2018-05-04</p>	

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<p style="text-align: right;">[21] 3,042,225 [13] A1</p> <p>[51] Int.Cl. G06F 21/32 (2013.01) H04M 3/523 (2006.01) H04L 12/66 (2006.01)</p> <p>[25] EN</p> <p>[54] QUEUE MANAGEMENT BASED ON BIOMETRIC AUTHENTICATION</p> <p>[54] GESTION DE FILE D'ATTENTE FONDEE SUR L'AUTHENTIFICATION BIOMETRIQUE</p> <p>[72] BROWN, JEFFREY, US [72] JOHNSON, CLAYTON, US [71] CAPITAL ONE SERVICES, LLC, US [22] 2019-05-03 [41] 2019-11-07 [30] US (15/972921) 2018-05-07</p>	<p style="text-align: right;">[21] 3,042,269 [13] A1</p> <p>[51] Int.Cl. B65H 7/06 (2006.01) B65H 7/20 (2006.01) B65H 29/62 (2006.01) B65H 31/24 (2006.01) B65H 43/04 (2006.01) G06K 1/12 (2006.01) G06K 5/00 (2006.01) G06K 19/06 (2006.01)</p> <p>[25] EN</p> <p>[54] DISPENSING APPARATUS FOR DISPENSING CARD-SHAPED DATA CARRIERS</p> <p>[54] APPAREIL DE DISTRIBUTION SERVANT A DISTRIBUER DES PORTEUSES DE DONNEES EN FORME DE CARTE</p> <p>[72] MILLER, NORBERT, DE [71] SCHEIDT & BACHMANN GMBH, DE [22] 2019-05-06 [41] 2019-11-08 [30] DE (10 2018 110 996.2) 2018-05-08</p>	<p style="text-align: right;">[21] 3,042,341 [13] A1</p> <p>[51] Int.Cl. G06Q 30/00 (2012.01) G06Q 30/02 (2012.01) G06F 16/954 (2019.01)</p> <p>[25] EN</p> <p>[54] METHOD AND APPARATUS FOR FACILITATING INTERACTION WITH CUSTOMERS ON ENTERPRISE INTERACTION CHANNELS</p> <p>[54] METHODE ET APPAREIL SERVANT A FACILITER L'INTERACTION AVEC LES CLIENTS SUR LES CANAUX D'INTERACTION D'ENTREPRISE</p> <p>[72] UDUPA, RAJAGOPALA, IN [72] PRABHU, ANIL, IN [71] [24]7.AI, INC., US [22] 2019-05-06 [41] 2019-11-07 [30] US (16/396,295) 2019-04-26 [30] US (62/668,083) 2018-05-07</p>
<p style="text-align: right;">[21] 3,042,225 [13] A1</p> <p>[51] Int.Cl. G06F 21/32 (2013.01) H04M 3/523 (2006.01) H04L 12/66 (2006.01)</p> <p>[25] EN</p> <p>[54] QUEUE MANAGEMENT BASED ON BIOMETRIC AUTHENTICATION</p> <p>[54] GESTION DE FILE D'ATTENTE FONDEE SUR L'AUTHENTIFICATION BIOMETRIQUE</p> <p>[72] BROWN, JEFFREY, US [72] JOHNSON, CLAYTON, US [71] CAPITAL ONE SERVICES, LLC, US [22] 2019-05-03 [41] 2019-11-07 [30] US (15/972921) 2018-05-07</p>	<p style="text-align: right;">[21] 3,042,310 [13] A1</p> <p>[51] Int.Cl. F21V 7/00 (2006.01) F21K 9/00 (2016.01) F21V 7/04 (2006.01) F21V 7/10 (2006.01)</p> <p>[25] EN</p> <p>[54] OPTICS FOR AISLE LIGHTING</p> <p>[54] APPAREILS OPTIQUES DESTINES A L'ECLAIRAGE D'ALLEE</p> <p>[72] CHEN, JIE, US [72] MARQUARDT, CRAIG EUGENE, US [71] ABL IP HOLDING LLC, US [22] 2019-05-06 [41] 2019-11-04 [30] US (62/667,101) 2018-05-04</p>	<p style="text-align: right;">[21] 3,042,348 [13] A1</p> <p>[51] Int.Cl. B62D 13/04 (2006.01) B60B 35/02 (2006.01)</p> <p>[25] EN</p> <p>[54] AIR RESERVOIR FOR A STEERING AXLE AND METHOD OF CONSTRUCTION</p> <p>[54] RESRVOIR D'AIR D'UN ESSIEU DE DIRECTION ET METHODE DE CONSTRUCTION</p> <p>[72] HASLAM, NEIL, CA [71] DEXTER TRAILER PRODUCTS OF CANADA CORPORATION, CA [22] 2019-05-06 [41] 2019-11-05 [30] US (62/667,486) 2018-05-05</p>

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<p style="text-align: right;">[21] 3,042,362 [13] A1</p> <p>[51] Int.Cl. H04B 7/204 (2006.01) H04W 16/26 (2009.01) H04W 16/28 (2009.01) H04B 7/0452 (2017.01)</p> <p>[25] EN</p> <p>[54] MULTIPLE-INPUT MULTIPLE-OUTPUT(MIMO) REPEATER SYSTEM</p> <p>[54] SYSTEME DE REPETEUR MULTI-ENTREE MULTI-SORTIE (MIMO)</p> <p>[72] ASHWORTH, CHRISTOPHER KEN, US</p> <p>[72] COOK, PATRICK LEE, US</p> <p>[72] ANDERSON, DALE ROBERT, US</p> <p>[72] PATEL, ILESH V., US</p> <p>[72] RAGGIO, GLEN, US</p> <p>[71] WILSON ELECTRONICS, LLC., US</p> <p>[22] 2019-05-06</p> <p>[41] 2019-11-07</p> <p>[30] US (62/668,138) 2018-05-07</p> <p>[30] US (16/403,380) 2019-05-03</p>	<p style="text-align: right;">[21] 3,042,415 [13] A1</p> <p>[51] Int.Cl. F16S 1/12 (2006.01) A47B 13/08 (2006.01) A47B 96/20 (2006.01) B29C 49/00 (2006.01) E04C 2/22 (2006.01)</p> <p>[25] EN</p> <p>[54] BLOW-MOLDED RIB STRUCTURE</p> <p>[54] STRUCTURE DE CANNELURE MOULEE PAR SOUFFLAGE</p> <p>[72] LIN, CHEN-KANG, CN</p> <p>[71] DONGGUAN SHICHANG METALS FACTORY LTD., CN</p> <p>[22] 2019-05-06</p> <p>[41] 2019-11-07</p> <p>[30] US (15/972,375) 2018-05-07</p>	<p style="text-align: right;">[21] 3,042,455 [13] A1</p> <p>[51] Int.Cl. A01G 9/00 (2018.01) A01G 9/24 (2006.01) A01G 31/04 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS, METHODS AND APPARATUS FOR OPTIMAL GROWTH OF PLANTS</p> <p>[54] SYSTEMES, METHODES ET APPAREIL DE CROISSANCE OPTIMALE DES PLANTES</p> <p>[72] SOLOMON, JOHN VERNON, CA</p> <p>[72] CURRY, FORREST C., CA</p> <p>[72] GROVES, ROD, CA</p> <p>[72] PHILLIPS, BRANDON B., CA</p> <p>[72] QUATHAMER, MITCHELL, CA</p> <p>[72] RING, THOMAS, CA</p> <p>[72] STYLES, AARON, CA</p> <p>[72] RYDALL, JOHN, CA</p> <p>[72] WHITE, JOHN R., CA</p> <p>[71] CONCEPTS TO SOLUTIONS INC., CA</p> <p>[22] 2019-05-07</p> <p>[41] 2019-11-07</p> <p>[30] US (62/667,861) 2018-05-07</p>
<p style="text-align: right;">[21] 3,042,409 [13] A1</p> <p>[51] Int.Cl. E04B 1/41 (2006.01) E04C 5/16 (2006.01)</p> <p>[25] EN</p> <p>[54] INTERMEDIATE COUPLER FOR CONCRETE REINFORCEMENT</p> <p>[54] RACCORD INTERMEDIAIRE DESTINE AU RENFORCEMENT DE BETON</p> <p>[72] HAYES, NORRIS, US</p> <p>[72] HOHENSEE, PAUL, US</p> <p>[72] MATHEWS, THOMAS, US</p> <p>[72] BEAVER, TIM, US</p> <p>[71] PRECISION-HAYES INTERNATIONAL INC., US</p> <p>[22] 2019-05-03</p> <p>[41] 2019-11-03</p> <p>[30] US (62/666,530) 2018-05-03</p>	<p style="text-align: right;">[21] 3,042,420 [13] A1</p> <p>[51] Int.Cl. B60R 9/00 (2006.01) F16M 13/02 (2006.01)</p> <p>[25] EN</p> <p>[54] FIN GRIP WITH INDEPENDENTLY ADJUSTABLE ARMS</p> <p>[54] SAISIE D'AILLETTE A BRAS AJUSTABLES DE MANIERE INDEPENDANTE</p> <p>[72] WINKLER, JOHN MARK, US</p> <p>[72] GAVIC, COLLIN JACQUES, US</p> <p>[72] ANDREAE, RYAN J., US</p> <p>[72] HRITZ, MICHAEL ALAN, US</p> <p>[71] POLARIS INDUSTRIES INC., US</p> <p>[22] 2019-05-06</p> <p>[41] 2019-11-08</p> <p>[30] US (15/974050) 2018-05-08</p>	<p style="text-align: right;">[21] 3,042,420 [13] A1</p> <p>[51] Int.Cl. B60R 9/00 (2006.01) F16M 13/02 (2006.01)</p> <p>[25] EN</p> <p>[54] FIN GRIP WITH INDEPENDENTLY ADJUSTABLE ARMS</p> <p>[54] SAISIE D'AILLETTE A BRAS AJUSTABLES DE MANIERE INDEPENDANTE</p> <p>[72] WINKLER, JOHN MARK, US</p> <p>[72] GAVIC, COLLIN JACQUES, US</p> <p>[72] ANDREAE, RYAN J., US</p> <p>[72] HRITZ, MICHAEL ALAN, US</p> <p>[71] POLARIS INDUSTRIES INC., US</p> <p>[22] 2019-05-06</p> <p>[41] 2019-11-07</p> <p>[30] US (15/974050) 2018-05-08</p>
<p style="text-align: right;">[21] 3,042,489 [13] A1</p> <p>[51] Int.Cl. A61B 90/50 (2016.01) A61M 25/02 (2006.01)</p> <p>[25] EN</p> <p>[54] MEDICAL DEVICE FIXATION APPARATUS</p> <p>[54] APPAREIL DE FIXATION DE DISPOSITIF MEDICAL</p> <p>[72] GLOVER, BENEDICT, CA</p> <p>[71] GLOVER, BENEDICT, CA</p> <p>[22] 2019-05-07</p> <p>[41] 2019-11-07</p> <p>[30] US (62/667,672) 2018-05-07</p>	<p style="text-align: right;">[21] 3,042,489 [13] A1</p> <p>[51] Int.Cl. A61B 90/50 (2016.01) A61M 25/02 (2006.01)</p> <p>[25] EN</p> <p>[54] MEDICAL DEVICE FIXATION APPARATUS</p> <p>[54] APPAREIL DE FIXATION DE DISPOSITIF MEDICAL</p> <p>[72] GLOVER, BENEDICT, CA</p> <p>[71] GLOVER, BENEDICT, CA</p> <p>[22] 2019-05-07</p> <p>[41] 2019-11-07</p> <p>[30] US (62/667,672) 2018-05-07</p>	<p style="text-align: right;">[21] 3,042,492 [13] A1</p> <p>[51] Int.Cl. H05B 3/36 (2006.01) B33Y 80/00 (2015.01) B32B 7/025 (2019.01) A41D 13/005 (2006.01) B32B 5/26 (2006.01) B32B 7/12 (2006.01) B60N 2/56 (2006.01)</p> <p>[25] EN</p> <p>[54] PROXIMITY WARMING CONVECTOR (PWC)</p> <p>[54] CONVECTEUR DE CHAUFFAGE DE PROXIMITE</p> <p>[72] SADEGHI, MOHAMMAD ALI, CA</p> <p>[71] SADEGHI, MOHAMMAD ALI, CA</p> <p>[22] 2019-05-07</p> <p>[41] 2019-11-08</p> <p>[30] US (15/974,220) 2018-05-08</p>

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<p style="text-align: right;">[21] 3,042,541</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06F 21/31 (2013.01) G06N 3/02 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS AND PROCESSES FOR UTILIZING INFORMATION COLLECTED FOR ENHANCED VERIFICATION</p> <p>[54] METHODES ET PROCEDES D'UTILISATION D'INFORMATION COLLECTEE EN VUE D'UNE VERIFICATION AMELIOREE</p> <p>[72] SHERIF, TIMUR, US</p> <p>[72] LINDQUIST, BENJAMIN, US</p> <p>[71] CAPITAL ONE SERVICES, LLC, US</p> <p>[22] 2019-05-07</p> <p>[41] 2019-11-07</p> <p>[30] US (15/972697) 2018-05-07</p>	<p style="text-align: right;">[21] 3,042,579</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B60K 11/02 (2006.01) B60K 1/00 (2006.01) B60K 17/00 (2006.01)</p> <p>[25] EN</p> <p>[54] ROTOR COOLING APPARATUS OF AN ELECTRIC VEHICLE POWERTRAIN COMPRISING INTEGRATED MOTOR, REDUCTION GEARBOX AND DIFFERENTIAL AND ROTOR COOLING METHOD OF THE SAME</p> <p>[54] APPAREIL DE REFROIDISSEMENT DE ROTOR D'UN GROUPE MOTOPROPULSEUR DE VEHICULE ELECTRIQUE COMPRENANT UN MOTEUR INTEGRE, UN ENGRENAGE DE REDUCTION ET UN DIFFERENTIEL, ET METHODE DE REFROIDISSEMENT ASSOCIEE</p> <p>[72] YANG, AN-TAO ANTHONY, CA</p> <p>[71] YANG, AN-TAO ANTHONY, CA</p> <p>[22] 2019-05-08</p> <p>[41] 2019-11-09</p> <p>[30] TW (107115708) 2018-05-09</p>	<p style="text-align: right;">[21] 3,042,650</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B29C 70/48 (2006.01) C08J 5/04 (2006.01) C08J 5/24 (2006.01)</p> <p>[25] EN</p> <p>[54] REINFORCED COMPOSITES AND METHODS FOR THEIR MANUFACTURE</p> <p>[54] COMPOSITES RENFORCES ET LEURS METHODES DE FABRICATION</p> <p>[72] HANLEY, SHAUNE JOHN, CA</p> <p>[72] OULANTI, OTMAN, CA</p> <p>[72] GURNAGUL, NORAYR, CA</p> <p>[72] GAGNE, DANIELLE, CA</p> <p>[71] RESOLUTE FP CANADA, INC., CA</p> <p>[22] 2019-05-08</p> <p>[41] 2019-11-09</p> <p>[30] US (62/669,098) 2018-05-09</p> <p>[30] US (62/738,096) 2018-09-28</p>
<p style="text-align: right;">[21] 3,042,572</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E21B 19/16 (2006.01)</p> <p>[25] EN</p> <p>[54] PORTABLE BUCKING FRAME</p> <p>[54] CADRE DE COUPE PORTATIF</p> <p>[72] HAGGART, STEVEN, CA</p> <p>[72] MCDONALD, LANDON, CA</p> <p>[71] PRO TORQUE CONNECTION TECHNOLOGIES LTD., CA</p> <p>[22] 2019-05-08</p> <p>[41] 2019-11-08</p> <p>[30] US (62/668,583) 2018-05-08</p>	<p style="text-align: right;">[21] 3,042,622</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H04N 21/466 (2011.01) H04N 21/435 (2011.01) G06F 17/21 (2006.01)</p> <p>[25] EN</p> <p>[54] USING CONTEXTUAL DATA TO RECOMMEND RELEVANT CONTENT</p> <p>[54] UTILISATION DE DONNEES CONTEXTUELLES POUR RECOMMANDER UN CONTENU PERTINENT</p> <p>[72] TURE, FERHAN, US</p> <p>[71] COMCAST CABLE COMMUNICATIONS, LLC, US</p> <p>[22] 2019-05-08</p> <p>[41] 2019-11-08</p> <p>[30] US (15/974,338) 2018-05-08</p>	<p style="text-align: right;">[21] 3,042,654</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A47C 27/05 (2006.01) A47C 27/15 (2006.01)</p> <p>[25] EN</p> <p>[54] MATTRESS ASSEMBLIES INCLUDING A HYBRID POSTURE SUPPORT SYSTEM</p> <p>[54] ASSEMBLAGES DE MATELAS COMPRENANT UN SYSTEME DE SUPPORT POSTURAL HYBRIDE</p> <p>[72] SADIQ, RAHEEL, US</p> <p>[72] GLADNEY, RICHARD F., US</p> <p>[71] DREAMWELL, LTD., US</p> <p>[22] 2019-05-07</p> <p>[41] 2019-11-07</p> <p>[30] US (15/972,281) 2018-05-07</p>
<p style="text-align: right;">[21] 3,042,670</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B29C 64/176 (2017.01) B29C 64/393 (2017.01)</p> <p>[25] EN</p> <p>[54] MODULAR ADDITIVE MANUFACTURING SYSTEM AND RELATED METHODS FOR CONTINUOUS PART PRODUCTION</p> <p>[54] SYSTEME DE FABRICATION ADDITIVE MODULAIRE ET METHODES ASSOCIEES SERVANT A LA PRODUCTION DE PIECE EN CONTINU</p> <p>[72] COTE, SAMUEL, CA</p> <p>[71] 9328-8082 QUEBEC INC., CA</p> <p>[22] 2019-05-08</p> <p>[41] 2019-11-08</p> <p>[30] US (62/668,487) 2018-05-08</p>		

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3 novembre 2019 au 9 novembre 2019

<p style="text-align: right;">[21] 3,042,749</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B64D 43/00 (2006.01) G01C 9/00 (2006.01) G01K 13/02 (2006.01) G01P 5/00 (2006.01)</p> <p>[25] EN</p> <p>[54] MULTI-FUNCTION PROBE AIR DATA SYSTEM ARCHITECTURE INCLUDING ACOUSTIC SENSORS</p> <p>[54] ARCHITECTURE DE SYSTEME DE DONNEES AERIENNES A SONDE MULTIFONCTIONNELLE COMPRENANT DES CAPTEURS ACOUSTIQUES</p> <p>[72] SLY, JAIME, US</p> <p>[72] NASLUND, BRIAN BRENT, US</p> <p>[71] ROSEMOUNT AEROSPACE INC., US</p> <p>[22] 2019-05-08</p> <p>[41] 2019-11-09</p> <p>[30] US (15/975,355) 2018-05-09</p>	<p style="text-align: right;">[21] 3,042,817</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B60N 2/005 (2006.01) B60N 2/015 (2006.01)</p> <p>[25] EN</p> <p>[54] SEAT LATCH MECHANISM</p> <p>[54] MECANISME DE LOQUET DE SIEGE</p> <p>[72] RUBANOVICH, BORIS, US</p> <p>[71] POLARIS INDUSTRIES INC., US</p> <p>[22] 2019-05-09</p> <p>[41] 2019-11-09</p> <p>[30] US (15/975252) 2018-05-09</p>	<p style="text-align: right;">[21] 3,042,833</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06F 21/00 (2013.01) G06F 21/31 (2013.01) G06N 20/00 (2019.01)</p> <p>[25] EN</p> <p>[54] REAL-TIME SELECTION OF AUTHENTICATION PROCEDURES BASED ON RISK ASSESSMENT</p>
<p style="text-align: right;">[21] 3,042,762</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A01K 29/00 (2006.01) G06K 9/00 (2006.01) H04L 12/16 (2006.01)</p> <p>[25] EN</p> <p>[54] APPARATUSES AND METHODS FOR SMART PET ALERT, AND STORAGE MEDIUM THEREOF</p> <p>[54] APPAREILS ET METHODES D'ALERTE INTELLIGENTE DESTINEE AUX ANIMAUX DE COMPAGNIE ET SUPPORT DE STOCKAGE ASSOCIE</p> <p>[72] CHANG, YO-CHEN VICTOR, CN</p> <p>[72] CHENG, JEN-PO, CN</p> <p>[71] TOMOFUN CO., LTD., CN</p> <p>[22] 2019-05-08</p> <p>[41] 2019-11-08</p> <p>[30] US (15/973665) 2018-05-08</p>	<p style="text-align: right;">[21] 3,042,819</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06N 20/00 (2019.01) A61B 5/107 (2006.01) G06N 3/08 (2006.01) G06T 7/00 (2017.01)</p> <p>[25] EN</p> <p>[54] METHOD AND SYSTEM FOR POSTURAL ANALYSIS AND MEASURING ANATOMICAL DIMENSIONS FROM A DIGITAL IMAGE USING MACHINE LEARNING</p> <p>[54] METHODE ET SYSTEMES D'ANALYSE POSTURALE ET DE MESURE DE DIMENSIONS ANATOMIQUES A PARTIR D'UNE IMAGE NUMERIQUE AU MOYEN DE L'APPRENTISSAGE MACHINE</p> <p>[72] FERRANTELLI, JOSEPH RALPH, US</p> <p>[72] BOBERG, DOUGLAS, JR., US</p> <p>[71] POSTURECO, INC., US</p> <p>[22] 2019-05-09</p> <p>[41] 2019-11-09</p> <p>[30] US (62/669,025) 2018-05-09</p>	<p style="text-align: right;">[21] 3,042,819</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06N 20/00 (2019.01) A61B 5/107 (2006.01) G06N 3/08 (2006.01) G06T 7/00 (2017.01)</p> <p>[25] EN</p> <p>[54] METHOD AND SYSTEM FOR POSTURAL ANALYSIS AND MEASURING ANATOMICAL DIMENSIONS FROM A DIGITAL IMAGE USING MACHINE LEARNING</p> <p>[54] METHODE ET SYSTEMES D'ANALYSE POSTURALE ET DE MESURE DE DIMENSIONS ANATOMIQUES A PARTIR D'UNE IMAGE NUMERIQUE AU MOYEN DE L'APPRENTISSAGE MACHINE</p> <p>[72] FERRANTELLI, JOSEPH RALPH, US</p> <p>[72] BOBERG, DOUGLAS, JR., US</p> <p>[71] POSTURECO, INC., US</p> <p>[22] 2019-05-09</p> <p>[41] 2019-11-09</p> <p>[30] US (62/669,025) 2018-05-09</p>
<p style="text-align: right;">[21] 3,042,801</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B23Q 16/00 (2006.01) B23D 47/04 (2006.01)</p> <p>[25] EN</p> <p>[54] WORKPIECE LIMITING DEVICE FOR POWER TOOLS</p> <p>[54] DISPOSITIF DE LIMITATION DE PIECE DE TRAVAIL DESTINE A DES OUTILS ELECTRIQUES</p> <p>[72] CHAN, WAI TONG, CN</p> <p>[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, CN</p> <p>[22] 2019-05-09</p> <p>[41] 2019-11-09</p> <p>[30] CN (201820689441.0) 2018-05-09</p>	<p style="text-align: right;">[21] 3,045,204</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B32B 3/16 (2006.01) A63B 6/00 (2006.01) B28B 23/00 (2006.01) B29C 70/30 (2006.01) B32B 37/15 (2006.01) E01C 5/00 (2006.01) E01C 15/00 (2006.01)</p> <p>[25] EN</p> <p>[54] ARTICULATING COMPOSITE SURFACE COVERING MAT AND METHOD OF MAKING</p> <p>[54] TAPIS DE REVETEMENT DE SURFACE EN COMPOSITE A ARTICULATION ET METHODE DE FABRICATION</p> <p>[72] RICCOPENE, THOMAS S., US</p> <p>[72] RICCOPENE, DOMINIC T., US</p> <p>[71] RICCOPENE DESIGNS LLC, US</p> <p>[22] 2019-05-03</p> <p>[41] 2019-11-08</p> <p>[30] US (PCT/US2018/031495) 2018-05-08</p> <p>[30] US (16/365,894) 2019-03-27</p>	<p style="text-align: right;">[21] 3,045,204</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B32B 3/16 (2006.01) A63B 6/00 (2006.01) B28B 23/00 (2006.01) B29C 70/30 (2006.01) B32B 37/15 (2006.01) E01C 5/00 (2006.01) E01C 15/00 (2006.01)</p> <p>[25] EN</p> <p>[54] ARTICULATING COMPOSITE SURFACE COVERING MAT AND METHOD OF MAKING</p> <p>[54] TAPIS DE REVETEMENT DE SURFACE EN COMPOSITE A ARTICULATION ET METHODE DE FABRICATION</p> <p>[72] RICCOPENE, THOMAS S., US</p> <p>[72] RICCOPENE, DOMINIC T., US</p> <p>[71] RICCOPENE DESIGNS LLC, US</p> <p>[22] 2019-05-03</p> <p>[41] 2019-11-08</p> <p>[30] US (PCT/US2018/031495) 2018-05-08</p> <p>[30] US (16/365,894) 2019-03-27</p>

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[21] **3,053,303**

[13] A1

[51] **Int.Cl. B61D 17/08 (2006.01) B61D
17/18 (2006.01)**

[25] EN

[54] **SIDE WALL FOR A RAIL
VEHICLE BODY**

[54] **PAROI LATERALE POUR CAISSE
DE VEHICULE FERROVIAIRE**

[72] LESSARD, NANCY, CA

[72] HIGGINS, DANNY, CA

[72] GOULET, STEPHANE, CA

[72] MORNEAU, GASTON, CA

[72] GOSSELIN, YVAN, CA

[72] BIGRAS, MARTIN, CA

[71] **BOMBARDIER TRANSPORTATION
GMBH, DE**

[22] 2019-08-28

[41] 2019-11-05

[21] **3,053,689**

[13] A1

[51] **Int.Cl. B61C 5/00 (2006.01) B61C 3/00
(2006.01) B61C 17/00 (2006.01)**

[25] EN

[54] **RAIL VEHICLE HAVING AN
IMPROVED COOLING SYSTEM
AND METHOD FOR ITS
INTERNAL COMBUSTION
ENGINE**

[54] **VEHICULE SUR RAIL AYANT UN
SYSTEME DE
REFROIDISSEMENT AMELIORE
ET METHODE RELATIVE A SON
MOTEUR A COMBUSTION
INTERNE**

[72] DIEDRICHS, BEN, CH

[71] **BOMBARDIER TRANSPORTATION
GMBH, DE**

[22] 2019-08-30

[41] 2019-11-05

PCT Applications Entering the National Phase

Demandes PCT entrant en phase nationale

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[51] Int.Cl. B07C 5/36 (2006.01)

[25] FR

[54] PNEUMATIC EJECTION DEVICE
AND SORTING MACHINE
COMPRISING SUCH A DEVICE

[54] DISPOSITIF D'EJECTION
PNEUMATIQUE ET MACHINE DE
TRI COMPORANT UN TEL
DISPOSITIF

[72] BOURELY, ANTOINE, FR

[72] MASSON, FLORENT, FR

[71] PELLENC SELECTIVE
TECHNOLOGIES (SOCIETE PAR
ACTIONS SIMPLIFIEE), FR

[85] 2019-10-16

[86] 2018-05-17 (PCT/EP2018/062953)

[87] (WO2018/211023)

[30] FR (1754485) 2017-05-19

[21] 3,060,182

[13] A1

[51] Int.Cl. F01D 11/08 (2006.01) F01D
5/22 (2006.01)

[25] FR

[54] DEVICE FOR SEALING BETWEEN
A ROTOR AND A STATOR OF A
TURBINE ENGINE

[54] DISPOSITIF D'ETANCHEITE
ENTRE ROTOR ET STATOR DE
TURBOMACHINE

[72] JOUY, BAPTISTE MARIE AUBIN
PIERRE, FR

[72] SICARD, JOSSELIN LUC FLORENT,
FR

[72] VERDIERE, MATHIEU CHARLES
JEAN, FR

[72] VILLARD, LOIC FABIEN
FRANCOIS, FR

[71] SAFRAN AIRCRAFT ENGINES, FR

[85] 2019-10-16

[86] 2018-04-24 (PCT/FR2018/051022)

[87] (WO2018/197800)

[30] FR (1753535) 2017-04-24

[21] 3,060,186

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(2006.01) E06B 1/36 (2006.01) E06B
3/54 (2006.01)

[25] FR

[54] SYSTEM FOR SECURING A
GLAZING TO THE VEHICLE
STRUCTURE

[54] SYSTEME DE SOLIDARISATION
D'UN VITRAGE A LA
STRUCTURE D'UN VEHICULE

[72] BELHIOUANE, YOUNESS, FR

[72] LUBIN, BENOIT, FR

[72] BRUGGEMAN, FLORIAN, FR

[71] SAINT-GOBAIN GLASS FRANCE,
FR

[85] 2019-10-16

[86] 2018-04-24 (PCT/FR2018/051023)

[87] (WO2018/197801)

[30] FR (1753805) 2017-04-28

[21] 3,060,202

[13] A1

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5/00 (2006.01) F16D 55/00 (2006.01)
F16D 65/02 (2006.01) F16D 65/097
(2006.01)

[25] FR

[54] RAILWAY BRAKE SYSTEM FOR
A RAILWAY VEHICLE

[54] SYSTEME DE FREINAGE
FERROVIAIRE POUR VEHICULE
FERROVIAIRE

[72] GONCALVES, CLAUDINO, FR

[72] MAILLARD, LOUIS, FR

[72] LAURENT, FABRICE, FR

[72] CROSNIER, GUILLAUME, FR

[71] FAIVELEY TRANSPORT AMIENS,
FR

[85] 2019-10-16

[86] 2018-06-15 (PCT/FR2018/051428)

[87] (WO2018/234665)

[30] FR (1755566) 2017-06-19

[21] 3,060,297

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[51] Int.Cl. A63G 7/00 (2006.01) A63J
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A63G 31/16 (2006.01) A63J 3/00
(2006.01) A63J 5/12 (2006.01)

[25] EN

[54] SEATED MOTION SIMULATION
AMUSEMENT PARK
ATTRACTION

[54] ATTRACTION ASSISE DE PARC
D'ATTRACTONS A SIMULATION
DE MOUVEMENT

[72] WHITE, NATHANAEL G., US

[72] VAN WINKLE, TED W., US

[72] FREEDMAN, DANIEL, US

[72] SCHWARTZ, JUSTIN MICHAEL, US

[72] SOUTH, DWAIN, US

[72] TRESAUGUE, MICHAEL, US

[72] HALL, GREGORY, US

[71] UNIVERSAL CITY STUDIOS LLC,
US

[85] 2019-10-16

[86] 2018-04-23 (PCT/US2018/028938)

[87] (WO2018/200410)

[30] US (62/489,895) 2017-04-25

[30] US (15/852,744) 2017-12-22

[21] 3,060,298

[13] A1

[51] Int.Cl. A63G 31/16 (2006.01) A63J
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(2006.01) A63J 5/12 (2006.01)

[25] EN

[54] MOTION SIMULATION
AMUSEMENT PARK
ATTRACTION

[54] ATTRACTION DE PARC
D'ATTRACTONS A SIMULATION
DE MOUVEMENT

[72] FREEDMAN, DANIEL, US

[72] WHITE, NATHANAEL G., US

[72] STENZLER, PAULA, US

[71] UNIVERSAL CITY STUDIOS LLC,
US

[85] 2019-10-16

[86] 2018-04-23 (PCT/US2018/028944)

[87] (WO2018/200413)

[30] US (62/489,895) 2017-04-25

[30] US (15/852,727) 2017-12-22

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- [25] EN
- [54] **DEVICES, SYSTEMS, AND METHODS FOR REMOVAL OF SOLUBLE GASES FROM FLUID SAMPLES**
- [54] **DISPOSITIFS, SYSTEMES ET PROCEDES D'ELIMINATION DES GAZ SOLUBLES PRESENTS DANS DES ECHANTILLONS DE FLUIDE**
- [72] ALBURTY, DAVID SCOTT, US
- [72] HORNBACK, MICHAEL LEE, US
- [72] LONG, BRYAN CHARLES, US
- [72] PAGE, ANDREW EDWARD, US
- [71] INNOVAPREP LLC, US
- [85] 2019-10-16
- [86] 2018-04-23 (PCT/US2018/028965)
- [87] (WO2018/195557)
- [30] US (62/488,693) 2017-04-21

[21] 3,060,305
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- [25] EN
- [54] **TOPICAL COMPOSITIONS FOR THE TREATMENT OF ACNE**
- [54] **COMPOSITIONS TOPIQUES DESTINEES AU TRAITEMENT DE L'ACNE**
- [72] BOMSTEIN, YONIT, IL
- [72] MARDER, JONATHAN, IL
- [71] KAMEDIS LTD., IL
- [85] 2019-10-25
- [86] 2017-11-13 (PCT/IL2017/051231)
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[13] A1

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- [25] EN
- [54] **DRUG DELIVERY COMPOSITION AND METHOD OF FABRICATION**
- [54] **COMPOSITION D'ADMINISTRATION DE MEDICAMENT ET PROCEDE DE FABRICATION**
- [72] SIRIANNI, RACHAEL, US
- [72] HOUSEHOLDER, KYLE, US
- [72] DIPERNA, DANIELLE, US
- [71] DIGNITY HEALTH, US
- [85] 2019-10-28
- [86] 2018-05-09 (PCT/US2018/031905)
- [87] (WO2018/208993)
- [30] US (62/503,383) 2017-05-09

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- [51] Int.Cl. A61C 19/04 (2006.01) A61C 1/14 (2006.01)
- [25] EN
- [54] **APEX LOCATOR ATTACHMENT**
- [54] **ACCESOIRE DE LOCALISATEUR D'APPEX**
- [72] LANGBEIN, SILVIO, US
- [72] STORCH, REINHOLD, US
- [71] DENTSPLY SIRONA INC., US
- [85] 2019-10-16
- [86] 2018-04-30 (PCT/US2018/030133)
- [87] (WO2018/201127)
- [30] US (62/491,506) 2017-04-28

[21] 3,060,313
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- [51] Int.Cl. H04B 7/155 (2006.01) H04B 3/36 (2006.01)
- [25] EN
- [54] **SIGNAL BOOSTER SYSTEM WITH AUTOMATIC GAIN CONTROL**
- [54] **SYSTEME D'AMPLIFICATION DE SIGNAL AVEC COMMANDE DE GAIN AUTOMATIQUE**
- [72] BOHLS, DOUGLAS EDWARD, US
- [72] THORNTON, WILLIAM IRL, US
- [72] ANDERSON, DALE ROBERT, US
- [72] RAGGIO, GLEN, US
- [72] ASHWORTH, CHRISTOPHER KEN, US
- [71] WILSON ELECTRONICS, LLC, US
- [85] 2019-10-16
- [86] 2018-05-08 (PCT/US2018/031664)
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- [51] Int.Cl. A61K 31/519 (2006.01) A61P 37/00 (2006.01) C07D 487/04 (2006.01)
- [25] EN
- [54] **FORMULATIONS, METHODS, KITS, AND DOSAGE FORMS FOR TREATING ATOPIC DERMATITIS AND FOR IMPROVED STABILITY OF AN ACTIVE PHARMACEUTICAL INGREDIENT**
- [54] **FORMULATIONS, PROCEDES, TROUSSES ET FORMES PHARMACEUTIQUES POUR TRAITER LA DERMATITE ATOPIQUE ET POUR AMELIORER LA STABILITE D'UN COMPOSANT PHARMACEUTIQUE ACTIF**

- [72] RAILKAR, ARUNA, US
- [72] JARIWALA, PARAS, US
- [72] PHUAPRADIT, WANTANEE, US
- [72] ZAMMIT, DAVID, US
- [72] DENIS, LOUIS, US
- [72] RAO, NIRANJAN, US
- [72] USANSKY, HELEN, US
- [72] GUPTA, SANDEEP, US
- [71] ASANA BIOSCIENCES, LLC, US
- [85] 2019-10-16
- [86] 2018-04-30 (PCT/US2018/030158)
- [87] (WO2018/201131)
- [30] US (62/491,655) 2017-04-28
- [30] US (62/514,246) 2017-06-02
- [30] US (62/630,392) 2018-02-14

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- [25] EN
- [54] **RESINS DERIVED FROM RENEWABLE SOURCES AND STRUCTURES MANUFACTURED FROM SAID RESINS**
- [54] **RESINES ISSUES DE SOURCES RENOUVELABLES ET STRUCTURES FABRIQUEES A PARTIR DESDITES RESINES**
- [72] JENSEN, MARTIN, DK
- [72] PEDERSEN, THOMAS BRORSEN, DK
- [71] BIO BOND APS, DK
- [85] 2019-10-17
- [86] 2018-04-24 (PCT/EP2018/025127)
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- [30] EP (17020184) 2017-04-26

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- [25] EN
- [54] A PROCESS TO PREPARE A CYCLIC OLIGOMER AND A CYCLIC OLIGOMER OBTAINABLE THEREBY AND A PROCESS TO POLYMERIZE IT
- [54] PROCEDE DE PREPARATION D'UN OLIGOMERE CYCLIQUE ET OLIGOMERE CYCLIQUE POUVANT ETRE OBTENU PAR CE PROCEDE ET PROCEDE DE POLYMERISATION DE CELUI-CI
- [72] COSTA, LIBORIO IVANO, CH
- [72] FLECKENSTEIN, PETER JOACHIM, CH
- [72] ROSENBOOM, JAN-GEORG, CH
- [72] STORTI, GIUSEPPE, CH
- [72] MORBIDELLI, MASSIMO, CH
- [71] SULZER MANAGEMENT AG, CH
- [85] 2019-10-17
- [86] 2018-03-23 (PCT/EP2018/057518)
- [87] (WO2018/192743)
- [30] EP (17167601.8) 2017-04-21

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- [25] EN
- [54] ELECTROCHEMICAL DEVICE AND METHOD FOR OPERATING AN ELECTROCHEMICAL DEVICE
- [54] DISPOSITIF ELECTROCHIMIQUE ET PROCEDE DE FONCTIONNEMENT D'UN DISPOSITIF ELECTROCHIMIQUE
- [72] HERRMANN, JOACHIM, DE
- [72] ALLEBROD, FRANK, DE
- [71] H-TEC SYSTEMS GMBH, DE
- [85] 2019-10-17
- [86] 2018-04-19 (PCT/EP2018/060123)
- [87] (WO2018/193071)
- [30] DE (10 2017 108 440.1) 2017-04-20

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- [25] EN
- [54] TARGETED GENE DISRUPTION METHODS AND IMMUNOGENIC COMPOSITIONS
- [54] METHODES DE DISRUPTION GENIQUE CIBLEE ET COMPOSITIONS IMMUNOGENES
- [72] GANTA, ROMAN R., US
- [72] WANG, YING, US
- [71] KANSAS STATE UNIVERSITY RESEARCH FOUNDATION, US
- [85] 2019-10-16
- [86] 2018-04-30 (PCT/US2018/030302)
- [87] (WO2018/201153)
- [30] US (62/491,896) 2017-04-28

[21] 3,060,321
[13] A1

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- [25] EN
- [54] COMPOSITION FOR CLEANING SURFACES
- [54] COMPOSITION DE NETTOYAGE DE SURFACES
- [72] HERZOG, DANIEL, AT
- [71] THONHAUSER GMBH, AT
- [85] 2019-10-17
- [86] 2018-04-27 (PCT/AT2018/060086)
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- [30] AT (A 50350/2017) 2017-04-29

[21] 3,060,322
[13] A1

- [51] Int.Cl. H02J 3/12 (2006.01) H02J 3/18 (2006.01) H02J 7/00 (2006.01) H02J 7/02 (2016.01) H02J 7/34 (2006.01)
- [25] EN
- [54] CHARGING STATION FOR CHARGING MULTIPLE ELECTRIC VEHICLES, IN PARTICULAR ELECTRIC CARS
- [54] STATION DE CHARGE POUR CHARGER PLUSIEURS VEHICULES ELECTRIQUES, EN PARTICULIER DES VOITURES ELECTRIQUES
- [72] BROMBACH, JOHANNES, DE
- [72] BLAAK, ISABEL, DE
- [71] WOBKEN PROPERTIES GMBH, DE
- [85] 2019-10-17
- [86] 2018-04-20 (PCT/EP2018/060202)
- [87] (WO2018/193097)
- [30] DE (102017108562.9) 2017-04-21

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- [25] EN
- [54] SYSTEMS AND METHODS FOR MANAGING CONDITIONS IN ENCLOSED SPACE
- [54] SYSTEMES ET PROCEDES DE GESTION DE CONDITIONS DANS UN ESPACE RENFERME
- [72] LEPOUDRE, PHILIP PAUL, CA
- [72] GERBER, MANFRED, CA
- [71] NORTEK AIR SOLUTIONS CANADA, INC., CA
- [85] 2019-10-17
- [86] 2017-04-18 (PCT/CA2017/050478)
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<p>[21] 3,060,330 [13] A1</p> <p>[51] Int.Cl. C07D 498/18 (2006.01) [25] EN</p> <p>[54] PROCESS TO CONVERT CRUDE ASCOMYCIN INTO PURIFIED PIMECROLIMUS</p> <p>[54] PROCEDE DE CONVERSION D'ASCOMYCINE BRUTE EN PIMECROLIMUS PURIFIE</p> <p>[72] GABRIEL, BORUT, SI [72] KAJTNA, ALJA, SI [72] LUKIC, ANJA, SI [72] DE SOUZA, DOMINIC, AT [72] HASSELWANDER, WERNER, DE [71] MEDA PHARMA GMBH & CO. KG, DE [71] MEDA AB, SE [85] 2019-10-17 [86] 2018-05-02 (PCT/EP2018/061235) [87] (WO2018/202733) [30] US (62/492,394) 2017-05-01</p>

<p>[21] 3,060,331 [13] A1</p> <p>[51] Int.Cl. A61K 38/17 (2006.01) A61P 27/02 (2006.01) [25] EN</p> <p>[54] COVERSIN FOR THE TREATMENT OF CICATRISING EYE INFLAMMATORY DISORDERS</p> <p>[54] COVERSINE POUR LE TRAITEMENT DE TROUBLES INFLAMMATOIRES DE L'OEIL CICATRISANT</p> <p>[72] WESTON-DAVIES, WYNNE H, GB [71] VOLUTION IMMUNO PHARMACEUTICALS SA, CH [85] 2019-10-17 [86] 2018-04-20 (PCT/EP2018/060239) [87] (WO2018/193120) [30] GB (1706398.3) 2017-04-21 [30] GB (1706406.4) 2017-04-21</p>

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<p style="text-align: right;">[21] 3,060,335</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C05F 9/00 (2006.01) C05F 17/00 (2006.01) C05F 17/02 (2006.01)</p> <p>[25] FR</p> <p>[54] METHOD FOR DRY BIOLOGICAL TREATMENT OF ORGANIC WASTE</p> <p>[54] PROCEDE DE TRAITEMENT BIOLOGIQUE PAR VOIE SECHE DE DECHETS ORGANIQUES</p> <p>[72] SOMMAIN, ARNAUD, FR [72] MARTEL, JEAN-LUC, FR [71] SUEZ GROUPE, FR [85] 2019-10-17 [86] 2018-05-09 (PCT/EP2018/061988) [87] (WO2018/206634) [30] FR (1754067) 2017-05-10</p>	<p style="text-align: right;">[21] 3,060,337</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H04L 9/16 (2006.01)</p> <p>[25] EN</p> <p>[54] SEQUENCE ENCRYPTION METHOD ACCOMPANYING ADJUSTABLE RANDOM RECONFIGURATION OF KEY</p> <p>[54] PROCEDE DE CHIFFREMENT DE SEQUENCE ACCOMPAGNANT UNE RECONFIGURATION ALEATOIRE AJUSTABLE DE CLE</p> <p>[72] XU, ZHINENG, CN [71] XU, ZHINENG, CN [85] 2019-10-17 [86] 2018-04-11 (PCT/CN2018/082638) [87] (WO2018/192399) [30] CN (201710249427.9) 2017-04-17</p>	<p style="text-align: right;">[21] 3,060,342</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C08K 3/00 (2018.01) C08K 3/013 (2018.01) C08K 3/22 (2006.01) C09D 123/08 (2006.01) H01L 31/048 (2014.01)</p> <p>[25] EN</p> <p>[54] A POLYMER COMPOSITION FOR PHOTOVOLTAIC APPLICATIONS</p> <p>[54] COMPOSITION POLYMERIQUE POUR APPLICATIONS PHOTOVOLTAIQUES</p> <p>[72] HELLSTROM, STEFAN, SE [72] COSTA, FRANCIS, AT [72] BROEDERS, BERT, BE [72] GALGALI, GIRISH SURESH, AT [71] BOREALIS AG, AT [85] 2019-10-17 [86] 2018-06-14 (PCT/EP2018/065797) [87] (WO2018/229182) [30] EP (17176290.9) 2017-06-16</p>
<p style="text-align: right;">[21] 3,060,339</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C07K 14/36 (2006.01) C07C 245/08 (2006.01) C07K 14/195 (2006.01) G01N 33/53 (2006.01)</p> <p>[25] EN</p> <p>[54] LIGHT-SWITCHABLE POLYPEPTIDE AND USES THEREOF</p> <p>[54] POLYPEPTIDE A COMMUTATION PAR LA LUMIERE ET UTILISATIONS ASSOCIEES</p> <p>[72] SKERRA, ARNE, DE [72] REICHERT, ANDREAS, DE [72] DAUNER, MARTIN, DE [71] TECHNISCHE UNIVERSITAT MUNCHEN, DE [85] 2019-10-17 [86] 2018-05-09 (PCT/EP2018/062160) [87] (WO2018/206738) [30] EP (17170516.3) 2017-05-10</p>		

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<p style="text-align: right;">[21] 3,060,344 [13] A1</p> <p>[51] Int.Cl. B05B 3/10 (2006.01) B64D 1/18 (2006.01)</p> <p>[25] EN</p> <p>[54] ATOMIZING DISC, ATOMIZING DEVICE WITH ATOMIZING DISC, AND UNMANNED AERIAL VEHICLE</p> <p>[54] DISQUE DE PULVERISATION, DISPOSITIF DE PULVERISATION AVEC DISQUE DE PULVERISATION, ET VEHICULE AERIEN SANS PILOTE</p> <p>[72] LI, JIESUN, CN</p> <p>[72] LI, SHENGHUA, CN</p> <p>[71] GUANGZHOU XAIRCRAFT TECHNOLOGY CO., LTD, CN</p> <p>[85] 2019-10-17</p> <p>[86] 2018-06-28 (PCT/CN2018/093395)</p> <p>[87] (WO2019/011131)</p> <p>[30] CN (201710560279.2) 2017-07-11</p>	<p style="text-align: right;">[21] 3,060,346 [13] A1</p> <p>[51] Int.Cl. A01N 25/30 (2006.01) C07F 9/30 (2006.01)</p> <p>[25] EN</p> <p>[54] POLYPHENYLMETHANOL SURFACTANTS</p> <p>[54] TENSIOACTIFS POLYPHENYLMETHANOL</p> <p>[72] MEREDITH, MATTHEW T., US</p> <p>[72] STERN, ALAN J., US</p> <p>[71] HUNTSMAN PETROCHEMICAL LLC, US</p> <p>[85] 2019-10-16</p> <p>[86] 2018-05-29 (PCT/US2018/034844)</p> <p>[87] (WO2018/226446)</p> <p>[30] US (62/516,747) 2017-06-08</p>	<p style="text-align: right;">[21] 3,060,349 [13] A1</p> <p>[51] Int.Cl. A61F 9/008 (2006.01) B23K 26/06 (2014.01)</p> <p>[25] EN</p> <p>[54] BIREFRINGENT LENS FOR LASER BEAM DELIVERY</p> <p>[54] LENTILLE BIREFRINGENTE DESTINEE A EMETTRE UN FAISCEAU LASER</p> <p>[72] BOR, ZSOLT, US</p> <p>[72] OVCHINNIKOV, MIKHAIL, US</p> <p>[71] NOVARTIS AG, CH</p> <p>[85] 2019-10-17</p> <p>[86] 2018-06-08 (PCT/IB2018/054154)</p> <p>[87] (WO2018/229616)</p> <p>[30] US (62/520,061) 2017-06-15</p>
<p style="text-align: right;">[21] 3,060,347 [13] A1</p> <p>[51] Int.Cl. A47J 42/40 (2006.01) A47J 42/38 (2006.01)</p> <p>[25] EN</p> <p>[54] BEAN GRINDING APPARATUS</p> <p>[54] APPAREIL DE BROYAGE DE GRAINS</p> <p>[72] NICHOLSON, MARTIN, GB</p> <p>[71] NICHOLSON DESIGN CONSULTANTS LIMITED, GB</p> <p>[85] 2019-10-17</p> <p>[86] 2018-05-15 (PCT/GB2018/051317)</p> <p>[87] (WO2018/211264)</p> <p>[30] GB (1707868.4) 2017-05-16</p> <p>[30] GB (1707889.0) 2017-05-17</p> <p>[30] GB (1707893.2) 2017-05-17</p> <p>[30] GB (1707894.0) 2017-05-17</p> <p>[30] GB (1708633.1) 2017-05-31</p>		

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- [54] DESCRIPTEURS DE STRUCTURE DE DONNEES POUR UNE ACCELERATION D'APPRENTISSAGE PROFOND
- [72] LIE, SEAN, US
- [72] MORRISON, MICHAEL, US
- [72] AREKAPUDI, SRIKANTH, US
- [72] LAUTERBACH, GARY R., US
- [72] JAMES, MICHAEL EDWIN, US
- [71] CEREBRAS SYSTEMS INC., US
- [85] 2019-10-17
- [86] 2018-04-17 (PCT/IB2018/052643)
- [87] (WO2018/193363)
- [30] US (62/486,372) 2017-04-17
- [30] US (62/517,949) 2017-06-11
- [30] US (62/520,433) 2017-06-15
- [30] US (62/522,065) 2017-06-19
- [30] US (62/542,645) 2017-08-08
- [30] US (62/542,657) 2017-08-08
- [30] US (62/522,081) 2017-06-19
- [30] US (62/580,207) 2017-11-01
- [30] US (62/628,773) 2018-02-09
- [30] US (62/628,784) 2018-02-09
- [30] US (62/652,933) 2018-04-05
- [30] US (62/655,210) 2018-04-09

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- [25] EN
- [54] ULTRA-LIGHTWEIGHT REINFORCED FLEXIBLE HOSE
- [54] TUYAU FLEXIBLE RENFORCE ULTRALEGER
- [72] CEGALIN, ALESSANDRO, IT
- [72] BATTAGLIA, LUCA, IT
- [72] VIGOLO, VALENTINO, IT
- [71] FITT S.P.A., IT
- [85] 2019-10-17
- [86] 2018-06-27 (PCT/IB2018/054743)
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- [25] EN
- [54] PRIMARY CELLS FOR HIGH DISCHARGE RATE
- [54] CELLULES PRIMAIRES A TAUX DE DECHARGE ELEVE
- [72] KAPELUSHNIK, NIR, IL
- [71] POWER ME TECH LTD., IL
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- [86] 2017-04-12 (PCT/IL2017/050445)
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- [25] EN
- [54] COMPOSITIONS AND METHODS FOR CONTROLLING STRONG ACID SYSTEMS
- [54] COMPOSITIONS ET PROCEDES DE COMMANDE DE SYSTEMES ACIDES FORTS
- [72] SAYED, MOHAMMED, US
- [72] CAIRNS, AMY J., US
- [72] ALDAKKAN, BASHAYER S., SA
- [72] GOMAA, AHMED M., SA
- [72] AL-NOAIMI, KHALID R., SA
- [71] SAUDI ARABIAN OIL COMPANY, SA
- [85] 2019-10-16
- [86] 2018-06-22 (PCT/US2018/038937)
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- [51] Int.Cl. G06N 3/08 (2006.01) G06N 3/04 (2006.01)
- [25] EN
- [54] TASK ACTIVATING FOR ACCELERATED DEEP LEARNING
- [54] ACTIVATION DE TACHE POUR UN APPRENTISSAGE PROFOND ACCELERE
- [72] LIE, SEAN, US
- [72] MORRISON, MICHAEL, US
- [72] AREKAPUDI, SRIKANTH, US
- [72] JAMES, MICHAEL EDWIN, US
- [72] LAUTERBACH, GARY R., US
- [71] CEREBRAS SYSTEMS INC., US
- [85] 2019-10-17
- [86] 2018-04-17 (PCT/IB2018/052651)
- [87] (WO2018/193370)
- [30] US (62/486,372) 2017-04-17
- [30] US (62/517,949) 2017-06-11
- [30] US (62/520,433) 2017-06-15
- [30] US (62/522,065) 2017-06-19
- [30] US (62/522,081) 2017-06-19
- [30] US (62/542,645) 2017-08-08
- [30] US (62/542,657) 2017-08-08
- [30] US (62/580,207) 2017-11-01
- [30] US (62/628,773) 2018-02-09
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- [25] EN
- [54] A GAME BOARD APPARATUS AND A METHOD OF PLACEMENT OF TOKENS ON THE SAME
- [54] APPAREIL DE TYPE PLATEAU DE JEU ET PROCEDE DE PLACEMENT DE JETONS SUR CELUI-CI
- [72] KHURANA, ASHUTOSH, IN
- [71] KHURANA, ASHUTOSH, IN
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- [86] 2018-04-21 (PCT/IN2018/050240)
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<p style="text-align: right;">[21] 3,060,358</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H04B 7/145 (2006.01) H04W 84/06 (2009.01) H01Q 21/10 (2006.01) H04B 7/08 (2006.01)</p> <p>[25] EN</p> <p>[54] RADIO WAVE COMMUNICATION DEVICE, RADIO WAVE RECEPTION DEVICE, AND RADIO WAVE COMMUNICATION SYSTEM</p> <p>[54] DISPOSITIF DE COMMUNICATION PAR ONDES RADIOELECTRIQUES, DISPOSITIF DE RECEPTION D'ONDES RADIOELECTRIQUES, ET SYSTEME DE COMMUNICATION PAR ONDES RADIOELECTRIQUES</p> <p>[72] YOKOTA, NOBUYUKI, JP</p> <p>[71] NEC CORPORATION, JP</p> <p>[85] 2019-10-17</p> <p>[86] 2018-04-20 (PCT/JP2018/016345)</p> <p>[87] (WO2018/198987)</p> <p>[30] JP (2017-088184) 2017-04-27</p>

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- [25] FR
- [54] AMIDE DERIVATIVES OF POLYCAFFEOYLQUINIC ACIDS, PROCESS FOR PRODUCING SAME AND USES THEREOF
- [54] DERIVES AMIDES DES ACIDES POLYCAFFEOYLQUINIQUES, PROCEDE DE PREPARATION ET UTILISATIONS
- [72] BOEGLIN, DAMIEN, FR
- [72] WARNAULT, PIERRE, FR
- [71] TEMISIS, FR
- [85] 2019-10-17
- [86] 2017-04-26 (PCT/EP2017/059898)
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- [25] EN
- [54] PHARMACEUTICAL COMPOSITION FOR ORAL ADMINISTRATION COMPRISING ENZALUTAMIDE
- [54] COMPOSITION PHARMACEUTIQUE POUR ADMINISTRATION ORALE COMPRENANT DE L'ENZALUTAMIDE
- [72] UMEMOTO, YOSHIKI, JP
- [72] YOSHIDA, TAKATSUNE, JP
- [72] NAMIKI, SACHIE, JP
- [72] TAKAGI, AKIRA, JP
- [72] KOJIMA, RYO, JP
- [72] SAKAI, TOSHIRO, JP
- [72] OBA, SHINSUKE, JP
- [72] AOKI, HAJIME, JP
- [71] ASTELLAS PHARMA INC., JP
- [85] 2019-10-17
- [86] 2018-04-27 (PCT/JP2018/017159)
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- [25] EN
- [54] METHOD FOR DETERMINING ASTIGMATISM OF AN EYE OF A PERSON
- [54] METHODE DE DETERMINATION DE L'ASTIGMATISME DE L'OEIL D'UNE PERSONNE
- [72] MARIN, GILDAS, FR
- [72] PERRIN, JEAN-LUC, FR
- [72] HERNANDEZ-CASTANEDA, MARTHA, FR
- [71] ESSIOL INTERNATIONAL, FR
- [85] 2019-10-17
- [86] 2018-05-02 (PCT/EP2018/061207)
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- [25] EN
- [54] DATAFLOW TRIGGERED TASKS FOR ACCELERATED DEEP LEARNING
- [54] TACHES DECLENCHÉES PAR UN FLUX DE DONNÉES POUR APPRENTISSAGE PROFOND ACCELÉRÉ
- [72] LIE, SEAN, US
- [72] LAUTERBACH, GARY R., US
- [72] JAMES, MICHAEL EDWIN, US
- [72] MORRISON, MICHAEL, US
- [72] AREKAPUDI, SRIKANTH, US
- [71] CEREBRAS SYSTEMS INC., US
- [85] 2019-10-17
- [86] 2018-04-15 (PCT/IB2018/052606)
- [87] (WO2018/193352)
- [30] US (62/486,372) 2017-04-17
- [30] US (62/517,949) 2017-06-11
- [30] US (62/520,433) 2017-06-15
- [30] US (62/522,065) 2017-06-19
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- [30] US (62/542,657) 2017-08-08
- [30] US (62/580,207) 2017-11-01
- [30] US (62/628,773) 2018-02-09
- [30] US (62/628,784) 2018-02-09
- [30] US (62/652,933) 2018-04-05
- [30] US (62/655,210) 2018-04-09

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- [51] Int.Cl. C12Q 1/6869 (2018.01) C12N 15/10 (2006.01)
- [25] EN
- [54] OPTIMAL INDEX SEQUENCES FOR MULTIPLEX MASSIVELY PARALLEL SEQUENCING
- [54] SEQUENCES INDEX OPTIMALES POUR SEQUENCAGE MULTIPLEX MASSIVEMENT PARALLELE
- [72] KELLEY, RYAN, US
- [72] BEAN, GORDON, US
- [72] VERMAAS, ERIC, US
- [71] ILLUMINA, INC., US
- [85] 2019-10-16
- [86] 2018-05-01 (PCT/US2018/030539)
- [87] (WO2018/204423)
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- [25] EN
- [54] CRYSTALLINE SOLID FORMS OF SALTS OF N-{4-[6,7-DIMETHOXYQUINOLIN-4-YL]OXY}PHENYL}-N'-(4-FLUOROPHENYL)CYCLOPROPANE-1,1-DICARBOXAMIDE, PROCESSES FOR MAKING, AND METHODS OF USE
- [54] FORMES SOLIDES CRISTALLINES DE SELS DE N-{4-[6,7-DIMETHOXYQUINOLIN-4-YL]OXY}PHENYL}-N'-(4-FLUOROPHENYL)CYCLOPROPANE-1,1-DICARBOXAMIDE, PROCEDES DE PRÉPARATION ET D'UTILISATION
- [72] SHAH, KHALID, US
- [72] BLAZEY, CHARLES M., US
- [71] EXELIXIS, INC., US
- [85] 2019-10-16
- [86] 2018-05-26 (PCT/US2018/034784)
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 - [25] EN
 - [54] METHOD FOR INCREASING AMOUNT OF PHENOLIC COMPOUND IN PLANT
 - [54] PROCEDE POUR AUGMENTER LA QUANTITE DE COMPOSE PHENOLIQUE DANS UNE PLANTE
 - [72] OKAZAWA, ATSUSHI, JP
 - [72] FUJIKAWA, YASUO, JP
 - [72] TSURUMOTO, TOMOHIRO, JP
 - [71] NICHIA CORPORATION, JP
 - [85] 2019-10-17
 - [86] 2018-04-27 (PCT/JP2018/017259)
 - [87] (WO2018/199307)
 - [30] JP (2017-090020) 2017-04-28
 - [30] JP (2018-038715) 2018-03-05
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- [25] EN
- [54] IMPROVED METHODS FOR GENERATING SMALL MOLECULE DEGRADERS AND DIMERIZERS
- [54] PROCEDES AMELIORES PERMETTANT DE GENERER DES AGENTS DE DEGRADATION DE PETITES MOLECULES ET DES AGENTS DE DIMERISATION
- [72] FISCHER, ERIC, US
- [72] NOWAK, RADOSLAW, US
- [71] DANA-FARBER CANCER INSTITUTE, INC., US
- [85] 2019-10-16
- [86] 2018-06-07 (PCT/US2018/036487)
- [87] (WO2018/226978)
- [30] US (62/517,500) 2017-06-09
- [30] US (62/575,059) 2017-10-20

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- [51] Int.Cl. A61F 9/007 (2006.01)
 - [25] EN
 - [54] DEVICES AND METHODS FOR OCULAR SURGERY
 - [54] DISPOSITIFS ET PROCÉDÉS POUR LA CHIRURGIE OCULAIRE
 - [72] CLAUSON, LUKE W., US
 - [72] SCHALLER, MICHAEL P., US
 - [72] CHAMNESS, SCOTT, US
 - [72] REESE, BRENDAN, US
 - [71] CARL ZEISS MEDITEC CATARACT TECHNOLOGY INC., US
 - [85] 2019-10-16
 - [86] 2018-05-03 (PCT/US2018/030964)
 - [87] (WO2018/204699)
 - [30] US (62/501,710) 2017-05-04
 - [30] US (62/597,826) 2017-12-12
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- [51] Int.Cl. G01N 21/47 (2006.01) G01N 21/15 (2006.01) G01N 21/59 (2006.01)
- [25] EN
- [54] OPTICAL TEST PLATFORM
- [54] PLATE-FORME DE TEST OPTIQUE
- [72] YAM, JACKY S., US
- [72] MAES, GREGORY R., US
- [72] PRICE, JEFFREY EDWARD, US
- [72] HOFFMANN, JACK R., JR., US
- [72] KOCHER, CHRISTOPHER GEORGE, US
- [72] BULLOCK, JARED IAN, US
- [72] CRANDALL, SAMUEL B., US
- [72] CLYNES, WALTER J., US
- [71] BIOMERIEUX, INC., US
- [85] 2019-10-18
- [86] 2018-04-20 (PCT/US2018/028701)
- [87] (WO2018/195513)
- [30] US (62/487,736) 2017-04-20
- [30] US (62/487,796) 2017-04-20
- [30] US (62/487,807) 2017-04-20
- [30] US (62/487,860) 2017-04-20
- [30] US (62/488,450) 2017-04-21

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[13] A1

- [51] Int.Cl. H05B 3/14 (2006.01) H01L 35/30 (2006.01) H01L 35/32 (2006.01) H02N 3/00 (2006.01)
 - [25] EN
 - [54] HEAT-GENERATING DEVICE AND USE THEREOF
 - [54] DISPOSITIF DE GÉNÉRATION DE CHALEUR ET SON UTILISATION
 - [72] YAMAMOTO, HIROAKI, JP
 - [71] INTERNATIONAL ENGINEERED ENVIRONMENTAL SOLUTIONS INC., JP
 - [85] 2019-10-17
 - [86] 2018-12-28 (PCT/JP2018/048611)
 - [87] (WO2019/132041)
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- [25] EN
- [54] METHOD, APPARATUS, AND COMPUTER PROGRAM PRODUCT FOR CONTROLLING COMPONENTS OF A DETECTION DEVICE
- [54] PROCEDE, APPAREIL ET PRODUIT PROGRAMME D'ORDINATEUR POUR COMMANDER DES COMPOSANTS D'UN DISPOSITIF DE DETECTION
- [72] HARRISON, JOEL PATRICK, US
- [72] KORTE, JOHN KENNETH, US
- [72] PRICE, JEFFREY EDWARD, US
- [71] BIOMERIEUX, INC., US
- [85] 2019-10-18
- [86] 2018-04-20 (PCT/US2018/028702)
- [87] (WO2018/195514)
- [30] US (62/487,736) 2017-04-20
- [30] US (62/487,796) 2017-04-20
- [30] US (62/487,807) 2017-04-20
- [30] US (62/487,860) 2017-04-20
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 - [25] EN
 - [54] IMPROVED CLEANSING COMPOSITIONS
 - [54] COMPOSITIONS NETTOYANTES AMELIOREES
 - [72] BLACHECHEN, TATIANA, BR
 - [72] GUEDES JORGE, MARIA CRISTINA, BR
 - [72] MORAIS, JACQUELINE, BR
 - [72] BISHOP, CHRISTINA, US
 - [72] DEXTER, MARNI, US
 - [71] JOHNSON & JOHNSON CONSUMER INC., US
 - [85] 2019-10-16
 - [86] 2018-05-04 (PCT/US2018/031041)
 - [87] (WO2018/204752)
 - [30] US (62/501,213) 2017-05-04
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[13] A1

- [51] Int.Cl. C12N 15/115 (2010.01) C12Q 1/68 (2018.01)
- [25] EN
- [54] FLUOROGEN-BINDING RNA APTAMERS
- [54] APTAMERES D'ARN SE LIANT A UN FLUOROGENE
- [72] UNRAU, PETER, CA
- [72] DOLGOSHEINA, ELENA, CA
- [72] JENG, SUNNY CHIU YUK, CA
- [72] PANCHAPAKESAN, SHANKER SHYAM SUNDHAR, IN
- [72] ABDOLAHZADEH, AMIR, CA
- [72] COJOCARU, RAZVAN, CA
- [72] TRACHMAN, ROBERT, US
- [72] FERRE D'AMARE, ADRIAN, US
- [72] AUTOEUR, ALEXIS, FR
- [72] RYCKELYNCK, MICHAEL, FR
- [71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMT OF HEALTH AND HUMAN SERVICES, US
- [71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
- [71] UNIVERSITE DE STRASBOURG, FR
- [71] SIMON FRASER UNIVERSITY, CA
- [85] 2019-10-17
- [86] 2018-04-23 (PCT/IB2018/052808)
- [87] (WO2018/198013)
- [30] US (62/489,346) 2017-04-24

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[13] A1

- [51] Int.Cl. B65D 30/20 (2006.01) B65D 30/10 (2006.01) B65D 75/00 (2006.01) B65D 75/58 (2006.01)
 - [25] EN
 - [54] FLEXIBLE CONTAINER
 - [54] RECIPIENT SOUPLE
 - [72] BLACK, MARC S., US
 - [72] JESPERSEN, SIMON TAGE, CH
 - [72] SCHUETTE, CHAD V., US
 - [72] SIDDIQUI, MUHAMMAD ALI, CH
 - [72] LOWRY, HALEY A., US
 - [72] DIGONNET, FABRICE, CH
 - [72] WALther, BRIAN W., US
 - [72] BONEKAMP, JEFFREY E., US
 - [71] DOW GLOBAL TECHNOLOGIES LLC, US
 - [85] 2019-10-18
 - [86] 2018-04-23 (PCT/US2018/028797)
 - [87] (WO2018/200351)
 - [30] US (62/489,189) 2017-04-24
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[13] A1

- [51] Int.Cl. G06Q 50/12 (2012.01) G06Q 20/10 (2012.01) G06Q 50/10 (2012.01) G06Q 50/30 (2012.01)
- [25] EN
- [54] METHOD FOR PROVIDING ACCOMMODATION SHARING SERVICE BASED ON WEB PLATFORM AND WEB SERVER THEREFOR
- [54] PROCEDE DE FOURNITURE DE SERVICE DE PARTAGE DE LOGEMENTS BASE SUR UNE PLATEFORME WEB ET SERVEUR WEB ASSOCIE
- [72] KIM, SANG DEOK, KR
- [71] W IN DOUBLE SPACE CO., KR
- [85] 2019-10-18
- [86] 2018-03-06 (PCT/KR2018/002623)
- [87] (WO2018/169238)
- [30] KR (10-2017-0032620) 2017-03-15

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[13] A1

- [51] Int.Cl. B01J 19/32 (2006.01)
 - [25] EN
 - [54] STRUCTURED PACKING MODULE FOR MASS TRANSFER COLUMNS
 - [54] MODULE DE GARNISSAGE STRUCTURE POUR COLONNES DE TRANSFERT DE MASSE
 - [72] CLIFFORD, SCOTT, US
 - [72] TALBOT, MALCOLM, US
 - [72] NIEUWOUDT, IZAK, US
 - [71] KOCH-GLITSCH, LP, US
 - [85] 2019-10-17
 - [86] 2018-04-30 (PCT/IB2018/052997)
 - [87] (WO2018/203224)
 - [30] US (62/500,033) 2017-05-02
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[13] A1

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- [25] EN
- [54] SYSTEM AND METHOD FOR MEASURING CARDIORRESPIRATORY RESPONSE
- [54] SYSTEME ET PROCEDE DE MESURE DE LA REPONSE CARDIO-RESPIRATOIRE
- [72] WILSON, RICHARD, CA
- [72] JENDZJOWSKY, NICHOLAS, CA
- [72] HERMAN, ROBERT, CA
- [72] TSAI, WILLIS, CA
- [72] COSTELLO, FIONA, CA
- [72] STEINBACK, CRAIG, CA
- [71] UTI LIMITED PARTNERSHIP, CA
- [71] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA
- [85] 2019-10-18
- [86] 2018-05-03 (PCT/CA2018/050526)
- [87] (WO2018/201253)
- [30] US (62/500,837) 2017-05-03

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[13] A1

[51] Int.Cl. G04C 3/00 (2006.01) G04G
17/06 (2006.01)
[25] EN
[54] CROWN PUSHER ASSEMBLY
AND WRISTWEARABLE
ELECTRONIC DEVICE
COMPRISING SAME
[54] ENSEMBLE POUSSOIR DE
COURONNE ET DISPOSITIF
ELECTRONIQUE PORTABLE SUR
LE POIGNET LE COMPRENANT
[72] ODI, JULIUS MICHAEL, PH
[72] HUDSON, BRIAN J., US
[71] TIMEX GROUP USA, INC., US
[85] 2019-10-18
[86] 2018-04-16 (PCT/US2018/027756)
[87] (WO2018/194967)
[30] US (62/486,724) 2017-04-18

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[13] A1

[51] Int.Cl. C23C 14/00 (2006.01) C23C
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C23C 14/32 (2006.01) C23C 28/00
(2006.01)
[25] EN
[54] PVD BOND COAT
[54] COUCHE DE LIAISON PAR PVD
[72] RAMM, JURGEN, CH
[72] WIDRIG, BENO, CH
[72] POLCIK, PETER, AT
[72] GINDRAT, MALKO, CH
[71] OERLIKON SURFACE SOLUTIONS
AG, PFAFFIKON, CH
[85] 2019-10-18
[86] 2018-04-19 (PCT/EP2018/060045)
[87] (WO2018/193035)
[30] CH (00534/17) 2017-04-21

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[13] A1

[51] Int.Cl. B01J 19/32 (2006.01)
[25] EN
[54] STRUCTURED PACKING
MODULE FOR MASS TRANSFER
COLUMNS
[54] MODULE DE GARNISSAGE
STRUCTUREE POUR COLONNES
DE TRANSFERT DE MASSE
[72] NIEUWoudt, IZAK, US
[72] CLIFFORD, SCOTT, US
[71] KOCH-GLITSCH, LP, US
[85] 2019-10-17
[86] 2018-06-04 (PCT/IB2018/053995)
[87] (WO2018/224949)
[30] US (62/517,368) 2017-06-09

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[51] Int.Cl. A63F 9/00 (2006.01) A63H
33/00 (2006.01) A63H 33/32 (2006.01)
[25] EN
[54] APPARATUS AND A METHOD
FOR THE PREPARATION OF A
PLAY, CRAFT AND/OR TOY
COMPOUND
[54] APPAREIL ET PROCEDE POUR
LA PREPARATION D'UN JEU,
D'UN ENGIN ET/OU D'UN
COMPOSE DE JOUET
[72] ALBER, ROSS, US
[72] OSNATO, JEFF, US
[71] WECOOL TOYS INC., US
[85] 2019-10-18
[86] 2018-04-18 (PCT/IB2018/000398)
[87] (WO2018/193301)
[30] GB (1706076.5) 2017-04-18
[30] GB (1706077.3) 2017-04-18

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[51] Int.Cl. A61K 38/17 (2006.01) A61K
31/121 (2006.01) A61P 9/00 (2006.01)
[25] EN
[54] MEANS AND METHODS FOR
TREATING DIASTOLIC
DYSFUNCTION IN A SUBJECT
[54] MOYEN ET PROCEDES DE
TRAITEMENT D'UNE
DYSFONCTION DIASTOLIQUE
CHEZ UN SUJET
[72] PAULUS, WALTER JOSEPH, NL
[71] STICHTING VUMC, NL
[85] 2019-10-18
[86] 2017-04-21 (PCT/NL2017/050254)
[87] (WO2017/183978)
[30] EP (16166468.5) 2016-04-21

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31/454 (2006.01) A61K 31/496
(2006.01) A61K 31/5377 (2006.01)
A61P 35/00 (2006.01)
[25] EN
[54] METHODS OF USE FOR
TRISUBSTITUTED
BENZOTRIAZOLE DERIVATIVES
AS DIHYDROORotate
OXYGENASE INHIBITORS
[54] METHODES D'UTILISATION DE
DERIVES DE BENZOTRIAZOLE
TRISUBSTITUES EN TANT
QU'INHIBITEURS DE
DIHYDROORotate
OXYGENASE
[72] NELLORE, KAVITHA, IN
[72] HOSAHALLI, SUBRAMANYA, IN
[71] AURIGENE DISCOVERY
TECHNOLOGIES LIMITED, IN
[85] 2019-10-18
[86] 2018-04-19 (PCT/IB2018/052710)
[87] (WO2018/197997)
[30] US (15/494,820) 2017-04-24
[30] US (15/899,707) 2018-02-20

[21] **3,060,391**
[13] A1

[51] Int.Cl. E21D 21/00 (2006.01)
[25] EN
[54] FRICTION ROCK BOLT
[54] BOULON D'ANCRAGE A
FROTTEMENT
[72] DARLINGTON, BRADLEY, AU
[72] YOUNG, PETER, AU
[72] RATAJ, MIETEK, AU
[71] SANDVIK INTELLECTUAL
PROPERTY AB, SE
[85] 2019-10-18
[86] 2018-05-09 (PCT/EP2018/061979)
[87] (WO2018/206628)
[30] AU (2017901571) 2017-05-11

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[21] 3,060,392

[13] A1

- [51] Int.Cl. F21V 31/04 (2006.01)
 - [25] EN
 - [54] **LIGHT FOR MARKING AN OBSTRUCTION OR A BEACON AND METHOD FOR ASSEMBLING SUCH A LIGHT**
 - [54] LUMIERE POUR LE MARQUAGE D'UNE OBSTRUCTION OU D'UNE BALISE ET PROCEDE D'ASSEMBLAGE D'UNE TELLE LUMIERE
 - [72] GOEDKNEGT, PIETER GERARDUS, NL
 - [72] DE BRUIJN, JOHANNES ARIE, NL
 - [72] LAM, SAI CHEUNG, NL
 - [71] ORGA HOLDING B.V., NL
 - [85] 2019-10-18
 - [86] 2018-04-20 (PCT/NL2018/050249)
 - [87] (WO2018/194455)
 - [30] NL (2018757) 2017-04-20
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[21] 3,060,393

[13] A1

- [51] Int.Cl. E21D 21/00 (2006.01)
- [25] EN
- [54] **FRiction ROCK BOLT**
- [54] BOULON D'ANCRAGE A FROTTEMENT
- [72] DARLINGTON, BRADLEY, AU
- [72] YOUNG, PETER, AU
- [72] RATAJ, MIETEK, AU
- [71] SANDVIK INTELLECTUAL PROPERTY AB, SE
- [85] 2019-10-18
- [86] 2018-05-09 (PCT/EP2018/061981)
- [87] (WO2018/206630)
- [30] AU (2017901751) 2017-05-11

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- [51] Int.Cl. C07D 413/14 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) C07D 405/12 (2006.01) C07D 409/04 (2006.01) C07D 409/12 (2006.01)
 - [25] EN
 - [54] PYRIMIDINE DERIVATIVES AS PGE2 RECEPTOR MODULATORS
 - [54] DERIVES DE PYRIMIDINE UTILISES EN TANT QUE MODULATEURS DES RECEPTEURS DES PGE2
 - [72] BOSS, CHRISTOPH, CH
 - [72] CORMINBOUEUF, OLIVIER, CH
 - [72] FRETZ, HEINZ, CH
 - [72] LYOTHIER, ISABELLE, CH
 - [72] POZZI, DAVIDE, CH
 - [72] RICHARD-BILDSTEIN, SYLVIA, CH
 - [72] SIENDT, HERVE, CH
 - [72] SIFFERLEN, THIERRY, CH
 - [71] IDORSIA PHARMACEUTICALS LTD, CH
 - [85] 2019-10-18
 - [86] 2018-05-17 (PCT/EP2018/062844)
 - [87] (WO2018/210988)
 - [30] EP (PCT/EP2017/061989) 2017-05-18
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[13] A1

- [51] Int.Cl. A61K 31/403 (2006.01) A61K 31/133 (2006.01) A61K 31/424 (2006.01) A61K 31/43 (2006.01) A61K 31/454 (2006.01) A61K 31/496 (2006.01) A61K 45/06 (2006.01) A61P 31/06 (2006.01) A61P 31/08 (2006.01)
- [25] EN
- [54] SANFETRINEM OR A SALT OR ESTER THEREOF FOR USE IN TREATING MYCOBACTERIAL INFECTION
- [54] SANFETRINEM OU UN SEL OU ESTER DE CELUI-CI DESTINE A ETRE UTILISE DANS LE TRAITEMENT D'UNE INFECTION MYCOBACTERIENNE
- [72] BARROS AGUIRRE, DAVID, ES
- [72] BATES, ROBERT H., ES
- [72] GONZALEZ DEL RIO, RUBEN, ES
- [72] MENDOZA LOSANA, ALFONSO, ES
- [72] RAMON, GARCIA SANTIAGO, ES
- [71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
- [71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
- [85] 2019-10-18
- [86] 2018-05-04 (PCT/EP2018/061615)
- [87] (WO2018/206466)
- [30] EP (17382255.2) 2017-05-08

[21] 3,060,397

[13] A1

- [51] Int.Cl. F41A 21/10 (2006.01) F41A 33/00 (2006.01)
 - [25] EN
 - [54] ARRANGEMENT AND METHOD FOR ALIGNING A SUB-CALIBRE BARREL
 - [54] AGENCEMENT ET PROCEDE D'ALIGNEMENT D'UN CANON SOUS-CALIBRE
 - [72] TJUS, EMIL, SE
 - [72] JANSSON, PER, SE
 - [71] SAAB AB, SE
 - [85] 2019-10-17
 - [86] 2018-04-27 (PCT/SE2018/050437)
 - [87] (WO2018/203803)
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[21] 3,060,398

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- [51] Int.Cl. G05F 1/70 (2006.01) H02M 1/42 (2007.01) H02J 3/18 (2006.01) H02J 3/38 (2006.01) H02M 7/42 (2006.01) H02M 7/527 (2006.01)
- [25] EN
- [54] APPARATUS AND METHOD OF AGGREGATING AND SUPPLYING ENERGY
- [54] APPAREIL ET PROCEDE D'AGREGATION ET DE DISTRIBUTION D'ENERGIE
- [72] QURESHI, WASEEM ASHRAF, AE
- [71] KILOWATT LABS, INC., US
- [85] 2019-10-18
- [86] 2018-04-18 (PCT/US2018/028078)
- [87] (WO2018/195148)
- [30] US (62/486,654) 2017-04-18
- [30] US (15/954,993) 2018-04-17

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[21] **3,060,399**
[13] A1

[51] Int.Cl. H04W 72/04 (2009.01)
[25] EN
[54] **METHOD FOR CONFIGURING TRANSMISSION DIRECTION OF TIME-FREQUENCY RESOURCE, AND APPARATUS**
[54] **PROCEDE ET DISPOSITIF DE CONFIGURATION D'UNE DIRECTION DE TRANSMISSION DE RESSOURCES TEMPS-FREQUENCE**
[72] ZHANG, LILI, CN
[72] LI, GUORONG, CN
[72] ZHUANG, HONGCHENG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-10-18
[86] 2017-05-05 (PCT/CN2017/083328)
[87] (WO2018/192015)
[30] CN (201710267471.2) 2017-04-21

[21] **3,060,404**
[13] A1

[51] Int.Cl. H02N 11/00 (2006.01) H01F 27/24 (2006.01) H01F 27/28 (2006.01) H01F 38/14 (2006.01)
[25] EN
[54] **METHOD FOR PRODUCING ELECTRICITY USING INDUCTIVE ELECTROMAGNETIC FORCE OF POWER GENERATION COIL**
[54] **PROCEDE DE PRODUCTION D'ELECTRICITE A L'AIDE D'UNE FORCE ELECTROMAGNETIQUE INDUCTIVE D'UNE BOBINE DE PRODUCTION D'ENERGIE**
[72] PARK, SUN MI, KR
[71] PARK, SUN MI, KR
[85] 2019-10-18
[86] 2018-04-25 (PCT/KR2018/004778)
[87] (WO2018/199612)
[30] KR (10-2017-0054995) 2017-04-28

[21] **3,060,405**
[13] A1

[51] Int.Cl. B01D 46/52 (2006.01)
[25] EN
[54] **AIR FILTER MEDIA WITH POST-PLEAT-DEPOSITED SORBENT PARTICLES**
[54] **MILIEU FILTRANT L'AIR AVEC PARTICULES DE SORBANT DEPOSEES APRES PLISSAGE**
[72] FOX, ANDREW R., CN
[72] JASUJA, HIMANSHU, US
[72] BELKIN, MIKHAIL A., US
[72] GERHARDT, BRYAN L., US
[72] GREGERSON, GLEN O., US
[72] HOFFDAHL, GERRY A., US
[72] LISE, JONATHAN M., US
[72] WU, TIEN T., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2019-10-18
[86] 2017-04-18 (PCT/CN2017/080905)
[87] (WO2018/191865)

[21] **3,060,406**
[13] A1

[51] Int.Cl. H04W 72/12 (2009.01)
[25] EN
[54] **COMMUNICATION METHOD, ACCESS NETWORK DEVICE AND TERMINAL DEVICE**
[54] **PROCEDE DE COMMUNICATION, DISPOSITIF DE RESEAU D'ACCES ET DISPOSITIF TERMINAL**
[72] LIU, JIANHUA, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-10-18
[86] 2017-04-20 (PCT/CN2017/081277)
[87] (WO2018/191917)

[21] **3,060,407**
[13] A1

[51] Int.Cl. A61K 39/395 (2006.01) A61K 31/517 (2006.01) A61K 31/7068 (2006.01) A61P 35/00 (2006.01)
[25] EN
[54] **TREATMENT OF HER2 POSITIVE CANCERS**
[54] **TRAITEMENT DES CANCERS POSITIFS A HER2**
[72] PETERSON, SCOTT, US
[72] WALKER, LUKE, US
[71] SEATTLE GENETICS, INC., US
[85] 2019-10-18
[86] 2018-04-27 (PCT/US2018/029899)
[87] (WO2018/201016)
[30] US (62/491,872) 2017-04-28

[21] **3,060,408**
[13] A1

[51] Int.Cl. B26B 15/00 (2006.01) B25F 5/00 (2006.01)
[25] EN
[54] **PORTABLE IN-LINE HYDRAULIC TOOL**
[54] **OUTIL HYDRAULIQUE EN LIGNE PORTATIF**
[72] WASON, PETER MATTHEW, US
[72] LEFAVOUR, JOHN DAVID, US
[71] HUBBELL INCORPORATED, US
[85] 2019-10-18
[86] 2018-05-15 (PCT/US2018/032642)
[87] (WO2018/213226)
[30] US (62/506,441) 2017-05-15

[21] **3,060,409**
[13] A1

[51] Int.Cl. A61K 39/00 (2006.01) A61K 39/395 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01)

[25] EN
[54] **TREM2 ANTIGEN BINDING PROTEINS AND USES THEREOF**
[54] **PROTEINES DE LIAISON A UN ANTIGENE ANTI-TREM2 ET LEURS UTILISATIONS**
[72] FOLTZ, IAN, CA
[72] SAMBASHIVAN, SHILPA, US
[72] CHEN, IRWIN, US
[72] HARRIS, SUSIE MIKI, US
[72] TOLEDO WARSHAVIAK, DORA, US
[72] DRIVER, IAN, US
[72] LU, DANIEL, US
[71] AMGEN INC., US
[85] 2019-10-18
[86] 2018-04-20 (PCT/US2018/028691)
[87] (WO2018/195506)
[30] US (62/488,691) 2017-04-21
[30] US (62/530,753) 2017-07-10
[30] US (62/580,400) 2017-11-01

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- [51] Int.Cl. F16J 15/3208 (2016.01) F16J 15/3232 (2016.01) F16J 15/324 (2016.01)
- [25] EN
- [54] SEAL FOR BI-DIRECTIONAL ROTATION AND PRESSURE
- [54] JOINT D'ETANCHEITE POUR ROTATION ET PRESSION BIDIRECTIONNELLES
- [72] DIETLE, LANNIE LAROY, US
- [71] KALSI ENGINEERING INC., US
- [85] 2019-10-18
- [86] 2018-05-11 (PCT/US2018/032405)
- [87] (WO2018/213138)
- [30] US (62/603,075) 2017-05-16

[21] **3,060,412**
[13] A1

- [51] Int.Cl. B01D 53/30 (2006.01) B09B 1/00 (2006.01) B09C 1/08 (2006.01) E21B 43/12 (2006.01) G01N 29/44 (2006.01) G05D 11/08 (2006.01)
- [25] EN
- [54] DEVICES AND TECHNIQUES RELATING TO LANDFILL GAS EXTRACTION
- [54] DISPOSITIFS ET TECHNIQUES SE RAPPORTANT A L'EXTRACTION DE GAZ D'ENFOUISSEMENT
- [72] CAMPANELLA, ANDREW, US
- [72] MARTIN, IAN, US
- [72] MICHELS, JOSEPH G., US
- [72] QUIGLEY, PETER, US
- [72] PALLO, NATHAN, US
- [72] SIMS, MELINDA, US
- [71] LOCI CONTROLS, INC., US
- [85] 2019-10-18
- [86] 2017-04-21 (PCT/US2017/028818)
- [87] (WO2018/194650)

[21] **3,060,413**
[13] A1

- [51] Int.Cl. B64C 39/02 (2006.01) B64C 27/00 (2006.01) B64C 27/04 (2006.01) B64C 37/02 (2006.01) B64D 1/22 (2006.01)
- [25] EN
- [54] SYSTEMS, METHODS, AND DEVICES IMPROVING SAFETY AND FUNCTIONALITY OF CRAFT HAVING ONE OR MORE ROTORS
- [54] SYSTEMES, PROCEDES ET DISPOSITIFS AMELIORANT LA SECURITE ET LA FONCTIONNALITE D'UN ENGIN A UN OU PLUSIEURS ROTORS
- [72] MILLER, RALPH IRAD, US
- [72] MILLER, WANNETT SMITH OGDEN, US
- [71] MILLER, RALPH IRAD, US
- [71] MILLER, WANNETT SMITH OGDEN, US
- [85] 2019-10-18
- [86] 2018-04-26 (PCT/US2018/029629)
- [87] (WO2018/200858)
- [30] US (62/491,145) 2017-04-27
- [30] US (62/512,784) 2017-05-31
- [30] US (62/540,007) 2017-08-01
- [30] US (62/593,008) 2017-11-30

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- [25] EN
- [54] USING CELL-FREE DNA FRAGMENT SIZE TO DETECT TUMOR-ASSOCIATED VARIANT
- [54] UTILISATION D'UNE TAILLE DE FRAGMENT D'ADN ACELLULAIRE POUR DETECTER UN VARIANT ASSOCIE A UNE TUMEUR
- [72] JIANG, TINGTING, US
- [72] ZHAO, CHEN, US
- [72] CHUANG, HAN-YU, US
- [71] ILLUMINA, INC., US
- [85] 2019-10-18
- [86] 2018-04-20 (PCT/US2018/028654)
- [87] (WO2018/195483)
- [30] US (62/488,549) 2017-04-21

[21] **3,060,415**
[13] A1

- [51] Int.Cl. A61K 35/76 (2015.01) A61K 35/741 (2015.01) A61K 47/64 (2017.01) A61K 45/00 (2006.01) A61P 17/10 (2006.01) C12N 7/00 (2006.01)
- [25] EN
- [54] COMPOSITIONS COMPRISING PROPIONIBACTERIUM ACNES BACTERIOPHAGES FOR TREATING ACNE
- [54] COMPOSITIONS COMPRENANT DES BACTERIOPHAGES DE PROPIONIBACTERIUM ACNES DESTINEES AU TRAITEMENT DE L'ACNE
- [72] VARMA, YUG, US
- [72] VAN PROOYEN, NANCY, US
- [71] PHI THERAPEUTICS, INC., US
- [85] 2019-10-18
- [86] 2018-04-20 (PCT/US2018/028556)
- [87] (WO2018/195415)
- [30] US (62/488,326) 2017-04-21

[21] **3,060,416**
[13] A1

- [51] Int.Cl. A61K 31/44 (2006.01) A61K 31/505 (2006.01) A61K 31/506 (2006.01)
- [25] EN
- [54] COMBINATION THERAPIES WITH EHMT2 INHIBITORS
- [54] THERAPIES D'ASSOCIATION AVEC DES INHIBITEURS D'EHMT2
- [72] CAMPBELL, JOHN EMMERSON, US
- [72] DUNCAN, KENNETH WILLIAM, US
- [72] RAIMONDI, MARIA ALEJANDRA, US
- [72] KLAUS, CHRISTINE, US
- [72] PENEBORE, ELAYNE, US
- [71] EPIZYME, INC., US
- [85] 2019-10-18
- [86] 2018-04-20 (PCT/US2018/028609)
- [87] (WO2018/195450)
- [30] US (62/488,679) 2017-04-21
- [30] US (62/574,147) 2017-10-18

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<p>[21] 3,060,418 [13] A1</p> <p>[51] Int.Cl. A01K 15/00 (2006.01) A01K 27/00 (2006.01)</p> <p>[25] EN</p> <p>[54] PET SPRAY TRAINING SYSTEM</p> <p>[54] SYSTEME D'ENTRAINEMENT D'ANIMAL DE COMPAGNIE PAR PULVERISATION</p> <p>[72] WEIMIN, BAI, US</p> <p>[72] REINHART, ANTHONY J., US</p> <p>[71] RADIO SYSTEMS CORPORATION, US</p> <p>[85] 2019-10-18</p> <p>[86] 2018-04-20 (PCT/US2018/028547)</p> <p>[87] (WO2018/195407)</p> <p>[30] US (15/493,190) 2017-04-21</p>
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<p>[21] 3,060,419 [13] A1</p> <p>[51] Int.Cl. G05B 23/02 (2006.01)</p> <p>[25] EN</p> <p>[54] DETECTING AND CORRECTING FOR DISCREPANCY EVENTS IN FLUID PIPELINES</p> <p>[54] DETECTION ET CORRECTION D'EVENEMENTS D'ECART DANS DES PIPELINES DE FLUIDE</p> <p>[72] ROSSI, DAVID, US</p> <p>[71] SCHLUMBERGER CANADA LIMITED, CA</p> <p>[85] 2019-10-18</p> <p>[86] 2018-04-20 (PCT/US2018/028457)</p> <p>[87] (WO2018/195368)</p> <p>[30] US (62/487,987) 2017-04-20</p>

<p>[21] 3,060,420 [13] A1</p> <p>[51] Int.Cl. H04W 12/08 (2009.01) H04W 76/19 (2018.01)</p> <p>[25] EN</p> <p>[54] RADIO LINK RECOVERY FOR USER EQUIPMENT</p> <p>[54] RECUPERATION AMELIOREE DE LIAISON RADIO DESTINEE A UN EQUIPEMENT UTILISATEUR</p> <p>[72] NAIR, SURESH, US</p> <p>[71] NOKIA TECHNOLOGIES OY, FI</p> <p>[85] 2019-10-18</p> <p>[86] 2018-03-29 (PCT/US2018/025006)</p> <p>[87] (WO2018/194809)</p> <p>[30] US (62/488,179) 2017-04-21</p> <p>[30] US (15/700,940) 2017-09-11</p>
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<p>[21] 3,060,421 [13] A1</p> <p>[51] Int.Cl. G06F 21/33 (2013.01) G06F 21/32 (2013.01) G06F 21/46 (2013.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND MECHANISM TO CONTROL THE LIFETIME OF AN ACCESS TOKEN DYNAMICALLY BASED ON ACCESS TOKEN USE</p> <p>[54] SYSTEMES ET MECANISME DE GESTION DE LA DUREE DE VIE D'UN JETON D'ACCES, BASEE DYNAMIQUEMENT SUR L'UTILISATION DU JETON D'ACCES</p> <p>[72] JAIN, PARUL, US</p> <p>[72] FOILES, DOUG, US</p> <p>[72] PETERSON, ERIK, US</p> <p>[71] INTUIT INC., US</p> <p>[85] 2019-10-18</p> <p>[86] 2018-04-17 (PCT/US2018/027884)</p> <p>[87] (WO2018/195024)</p> <p>[30] US (15/490,015) 2017-04-18</p>

<p>[21] 3,060,422 [13] A1</p> <p>[51] Int.Cl. B25F 1/02 (2006.01) B23K 3/00 (2006.01)</p> <p>[25] EN</p> <p>[54] A GAS POWERED TOOL AND A METHOD FOR RETAINING AN ISOLATING VALVE OF A GAS POWERED TOOL IN AN ISOLATING STATE</p> <p>[54] OUTIL FONCTIONNANT AU GAZ ET PROCEDE DE RETENUE D'UNE VANNE D'ISOLEMENT D'UN OUTIL FONCTIONNANT AU GAZ DANS UN ETAT D'ISOLATION</p> <p>[72] STOREY, JOHN JOSEPH, IE</p> <p>[71] OGLESBY & BUTLER RESEARCH & DEVELOPMENT LIMITED, IE</p> <p>[85] 2019-10-18</p> <p>[86] 2018-05-08 (PCT/IE2018/000006)</p> <p>[87] (WO2018/203319)</p> <p>[30] IE (S2017/0099) 2017-05-05</p> <p>[30] IE (S2017/0163) 2017-08-14</p>
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<p>[21] 3,060,423 [13] A1</p> <p>[51] Int.Cl. E04B 1/58 (2006.01) F16B 7/00 (2006.01)</p> <p>[25] EN</p> <p>[54] REINFORCED BEAM SYSTEM</p> <p>[54] SYSTEME DE POUTRES RENFORCEES</p> <p>[72] NAVON, RAM, IL</p> <p>[71] NAVON, RAM, IL</p> <p>[85] 2019-10-18</p> <p>[86] 2018-04-18 (PCT/IL2018/050438)</p> <p>[87] (WO2018/20322)</p> <p>[30] US (62/492,321) 2017-05-01</p>
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<p>[21] 3,060,424 [13] A1</p> <p>[51] Int.Cl. C07D 403/12 (2006.01) A61P 3/00 (2006.01) C07D 239/26 (2006.01) C07D 401/12 (2006.01) C07D 405/12 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01)</p> <p>[25] EN</p> <p>[54] NOVEL GLP-1 RECEPTOR MODULATORS</p> <p>[54] NOUVEAUX MODULATEURS DU RECEPTEUR DU GLP-1</p> <p>[72] TAMIYA, JUNKO, US</p> <p>[72] TURNBULL, PHILIP, US</p> <p>[72] ENUGURTHI, BRAHMACHARY, US</p> <p>[72] HUANG, LIMING, US</p> <p>[72] YEAGER, ADAM R., US</p> <p>[72] FOWLER, THOMAS, GB</p> <p>[72] IACOBINI, GREG P., GB</p> <p>[72] CRITTALL, MATTHEW RICHARD, GB</p> <p>[71] CELGENE INTERNATIONAL II SARL, CH</p> <p>[85] 2019-10-18</p> <p>[86] 2018-04-26 (PCT/US2018/029597)</p> <p>[87] (WO2018/200833)</p> <p>[30] US (62/491,892) 2017-04-28</p>
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<p>[21] 3,060,425 [13] A1</p> <p>[51] Int.Cl. H02K 49/10 (2006.01)</p> <p>[25] EN</p> <p>[54] IMPROVED MAGNETIC CLUTCH ASSEMBLY</p> <p>[54] ENSEMBLE EMBRAYAGE MAGNETIQUE AMELIORE</p> <p>[72] SHLAKHETSKI, VIKTOR, IL</p> <p>[72] MOSTOVoy, ALEXANDER, IL</p> <p>[71] INTELLITECH PTY LTD., AU</p> <p>[85] 2019-10-18</p> <p>[86] 2018-06-21 (PCT/GB2018/051734)</p> <p>[87] (WO2018/234812)</p> <p>[30] GB (1709945.8) 2017-06-21</p>
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<p style="text-align: right;">[21] 3,060,436</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H04L 29/08 (2006.01) H04L 9/30 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS OF BIDIRECTIONAL PACKET EXCHANGE OVER NODAL PATHWAYS</p> <p>[54] PROCEDES D'ECHANGE BIDIRECTIONNEL DE PAQUETS SUR DES VOIES D'ACCES NODALES</p> <p>[72] FIELDER, GLENN, US</p> <p>[71] NETWORK NEXT, INC., US</p> <p>[85] 2019-10-21</p> <p>[86] 2018-05-08 (PCT/US2018/031641)</p> <p>[87] (WO2018/208809)</p> <p>[30] US (62/503,808) 2017-05-09</p> <p>[30] US (62/524,705) 2017-06-26</p> <p>[30] US (15/656,454) 2017-07-21</p>	<p style="text-align: right;">[21] 3,060,438</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H01H 9/00 (2006.01) H01F 29/02 (2006.01) H02J 3/38 (2006.01)</p> <p>[25] EN</p> <p>[54] FLEXIBLE VOLTAGE TRANSFORMATION SYSTEM</p> <p>[54] SYSTEME DE TRANSFORMATION DE TENSION FLEXIBLE</p> <p>[72] PRIETO, ALBERTO, US</p> <p>[72] ZANT, NIKOLAUS, US</p> <p>[72] BALA, SANDEEP, US</p> <p>[72] HENRIKSEN, MATTHEW LEE, US</p> <p>[72] UPADHYAY, PARAG, US</p> <p>[72] RADU, ION C., CA</p> <p>[71] ABB SCHWEIZ AG, CH</p> <p>[85] 2019-10-21</p> <p>[86] 2018-04-24 (PCT/US2018/029118)</p> <p>[87] (WO2018/200506)</p> <p>[30] US (62/489,197) 2017-04-24</p>	<p style="text-align: right;">[21] 3,060,440</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. F16C 11/06 (2006.01) F15B 15/26 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM, APPARATUS AND METHOD FOR PATIENT POSITIONING PRIOR TO, DURING AND/OR AFTER MEDICAL PROCEDURES</p> <p>[54] SYSTEME, APPAREIL ET PROCEDE DE POSITIONNEMENT DE PATIENTS AVANT, PENDANT ET/OU APRES DES ACTES MEDICAUX</p> <p>[72] DESILETS, MARK, US</p> <p>[72] SCHMID, STEPHAN JOHN, US</p> <p>[72] HODGES, VINCENT, US</p> <p>[72] VAN LE, PETER THIEN, US</p> <p>[71] OSI, MIZUHO, US</p> <p>[85] 2019-10-21</p> <p>[86] 2018-04-20 (PCT/US2018/028480)</p> <p>[87] (WO2018/195375)</p> <p>[30] US (15/493,700) 2017-04-21</p> <p>[30] US (15/912,530) 2018-03-05</p>

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 - [54] ENSEMBLE RESSORT ENSACHE COMPRENANT DES SERIES DE RESSORTS AVEC DES LANGUETTES
 - [72] JEWETT, JASON, US
 - [72] LONG, AUSTIN G., US
 - [72] RICHMOND, DARRELL A., US
 - [71] L&P PROPERTY MANAGEMENT COMPANY, US
 - [85] 2019-10-21
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- [25] EN
- [54] IMMUNE CELLS EXPRESSING ENGINEERED ANTIGEN RECEPTORS
- [54] CELLULES IMMUNITAIRES EXPRIMANT DES RECEPTEURS D'ANTIGENES MODIFIES
- [72] REZVANI, KATY, US
- [72] SHPALL, ELIZABETH J., US
- [71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
- [85] 2019-10-17
- [86] 2018-04-19 (PCT/US2018/028418)
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- [54] PHOSPHOROTHIONATES DE TRIPHENYLE ALKYLES UTILISES COMME COLLECTEURS SELECTIFS DE SULFURE METALLIQUE
- [72] VILLANUEVA BERINDOAGUE, ADRIAN MAURICIO, DE
- [72] MICHAILOVSKI, ALEXEJ, DE
- [72] DICKIE, SCOTT ALEXANDER, NZ
- [72] CHIPFUNHU, DANIEL, AU
- [71] BASF SE, DE
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- [86] 2018-05-23 (PCT/EP2018/063444)
- [87] (WO2018/215509)
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- [25] EN
- [54] ELECTROSURGICAL INSTRUMENT FOR FREEZING AND ABLATING BIOLOGICAL TISSUE
- [54] INSTRUMENT ELECTROCHIRURGICAL POUR LA CONGELATION ET L'ABLATION DE TISSU BIOLOGIQUE
- [72] HANCOCK, CHRISTOPHER PAUL, GB
- [72] WHITE, MALCOLM, GB
- [72] BURN, PATRICK, GB
- [72] CLEGG, PETER, GB
- [72] SHAH, PALLAV, GB
- [71] CREO MEDICAL LIMITED, GB
- [85] 2019-10-17
- [86] 2018-06-01 (PCT/EP2018/064465)
- [87] (WO2018/220177)
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- [25] EN
- [54] COMPOUNDS FOR THE TREATMENT OF EPILEPSY, NEURODEGENERATIVE DISORDERS AND OTHER CNS DISORDERS
- [54] COMPOSES POUR LE TRAITEMENT DE L'EPILEPSIE, DE TROUBLES NEURODEGENERATIFS ET D'AUTRES TROUBLES DU SNC
- [72] GRIFFIOEN, JOHAN GERARD, BE
- [72] PRINCEN, KATRIEN, BE
- [72] VAN DOOREN, TOM FRANCOIS L., BE
- [72] MARCHAND, ARNAUD DIDIER MARIE, BE
- [72] KILONDA, AMURI, BE
- [72] ALLASIA, SARA, BE
- [72] CHALTIN, PATRICK, BE
- [71] REMYND N.V., BE
- [71] KATHOLIEKE UNIVERSITEIT LEUVEN, BE
- [85] 2019-10-17
- [86] 2018-05-11 (PCT/EP2018/062199)
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- [54] AJOUT DE CHALEUR SECONDAIRE A UN PROCESSUS DE PRODUCTION DE PARTICULES ET APPAREIL
- [72] TAYLOR, ROSCOE W., US
- [72] HOERMANN, ALEXANDER F., US
- [72] JOHNSON, PETER L., US
- [72] HANSON, ROBERT J., US
- [72] HAMPTON, AARON S., US
- [71] MONOLITH MATERIALS, INC., US
- [85] 2019-10-17
- [86] 2017-04-28 (PCT/US2017/030179)
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- [54] RESINE POUR UNE DISPERSION PIGMENTAIRE UNIVERSELLE A BASE DE SOLVANT
- [72] COAD, MICHAEL D., US
- [72] PALMER, AARON M., US
- [72] SHUMPERT, CATRINA A., US
- [72] STEFFY, PEGGY L., US
- [72] RUHOFF, PHILIP J., US
- [72] HASAN, SYED Y., US
- [72] KIGER, TIMOTHY B., US
- [71] SWIMC LLC, US
- [85] 2019-10-17
- [86] 2018-02-08 (PCT/US2018/017356)
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- [54] PANSEMENTS COMPOSITES PERSONNALISABLES DESTINES A UN TRAITEMENT PAR PRESSION NEGATIVE A GRANULATION AMELIOREE ET A MACERATION REDUITE
- [72] LOCKE, CHRISTOPHER BRIAN, GB
- [72] ROBINSON, TIMOTHY MARK, GB
- [71] KCI LICENSING, INC., US
- [85] 2019-10-18
- [86] 2018-06-05 (PCT/US2018/036019)
- [87] (WO2018/226667)
- [30] US (62/516,566) 2017-06-07
- [30] US (62/516,550) 2017-06-07
- [30] US (62/516,540) 2017-06-07
- [30] US (62/565,754) 2017-09-29
- [30] US (62/576,498) 2017-10-24
- [30] US (62/592,950) 2017-11-30
- [30] US (62/613,494) 2018-01-04
- [30] US (62/615,821) 2018-01-10
- [30] US (62/616,244) 2018-01-11
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- [25] EN
- [54] ACID RESISTANT CARBON COMPOSITES, METHODS OF MANUFACTURE, AND ARTICLES FORMED THEREOF
- [54] COMPOSITES DE CARBONE RESISTANT AUX ACIDES, PROCEDES DE FABRICATION ET ARTICLES FORMES A PARTIR DE CES COMPOSITES
- [72] XU, ZHIYUE, US
- [72] ZHAO, LEI, US
- [71] BAKER HUGHES, A GE COMPANY, LLC, US
- [85] 2019-10-17
- [86] 2018-03-14 (PCT/US2018/022418)
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- [25] EN
- [54] METHOD FOR ASSEMBLING A WIND TURBINE AND A WIND TURBINE SYSTEM
- [54] PROCEDE D'ASSEMBLAGE D'UNE EOLIENNE ET SYSTEME D'EOLIENNE
- [72] GERAETS, PATRICK, GB
- [72] BALLARD, GEORGE, GB
- [71] SENSE WIND LIMITED, GB
- [85] 2019-10-18
- [86] 2018-04-19 (PCT/GB2018/051031)
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- [54] SYSTEME DE BATTERIE DE VEHICULE A MOTEUR ELECTRIQUE
- [72] TANDON, AAYUSH, CA
- [72] WRIGHT, WILLIAM, CA
- [72] ORNAI, ROEI, CA
- [72] AYOUB, AHMED, CA
- [71] ELECTRAMECCANICA VEHICLES CORP., CA
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- [86] 2018-08-17 (PCT/CA2018/051001)
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- [54] MOISSONNAGE DU WEB MOBILE
- [72] KAVURI, SATEESH, IN
- [71] YODLEE, INC., US
- [85] 2019-10-17
- [86] 2018-04-16 (PCT/US2018/027829)
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- [30] IN (201741013546) 2017-04-17
- [30] US (15/624,578) 2017-06-15

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- [25] EN
- [54] TEMPORARY SUPPORT STRUCTURE
- [54] STRUCTURE DE SUPPORT TEMPORAIRE
- [72] NEIGHBOR, KRISTOPHER MARK, US
- [71] OSMOSE UTILITIES SERVICES, INC., US
- [85] 2019-10-18
- [86] 2018-05-31 (PCT/US2018/035458)
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- [30] US (62/513,072) 2017-05-31
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 - [25] EN
 - [54] **IMPLANTABLE SCAFFOLDS FOR TREATMENT OF SINUSITIS**
 - [54] **ECHAFAUDAGES IMPLANTABLES POUR LE TRAITEMENT DE LA SINUSITE**
 - [72] YOU, CHANGCHENG, US
 - [72] PHAM, QUYNH, US
 - [72] CONCAGH, DANNY, US
 - [71] 480 BIOMEDICAL, INC., US
 - [85] 2019-10-18
 - [86] 2018-04-20 (PCT/US2018/028655)
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- [25] EN
- [54] **LANTIBIOTICS, LANTIBIOTIC-PRODUCING BACTERIA, COMPOSITIONS AND METHODS OF PRODUCTION AND USE THEREOF**
- [54] **LANTIBIOTIQUES, BACTERIES PRODUISANT UN LANTIBIOTIQUE, COMPOSITIONS ET PROCEDES DE PRODUCTION ET LEUR UTILISATION**
- [72] PAMER, ERIC, US
- [72] KIM, SOHN, US
- [72] MCKENNEY, PETER, US
- [72] CABALLERO, SILVIA, US
- [71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
- [85] 2019-10-18
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 - [72] BARBON, LAURENT, FR
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- [72] LISANTI, MICHAEL P., US
- [71] LUNELLA BIOTECH, INC., CA
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 - [54] **VITAMINE C ET DOXYCYCLINE : POLYTHERAPIE LETALE SYNTHETIQUE POUR ERADIQUER DES CELLULES SOUCHES CANCEREUSES (CSC)**
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 - [72] SOTGIA, FEDERICA, US
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- [72] OGILVIE, KATHLEEN, US
- [71] ATYR PHARMA, INC., US
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 - [72] CASOLARI, JASON, US
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- [72] JEON, HONGJAE, KR
- [72] MOON, EUN SANG, KR
- [72] CHI, SUNGKUON, KR
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- [72] CHATTERJEE, ARNAB K., US
- [72] WRIGHT, TIMOTHY M., US
- [72] WISLER, JOHN, US
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- [71] THE SCRIPPS RESEARCH INSTITUTE, US
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 - [72] JOHNSON, MICHAEL AUSTIN, US
 - [72] WILLIAMS, TIMOTHY K., US
 - [72] NEFF, LUCAS PAUL, US
 - [71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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- [72] NEIGHBOR, KRISTOPHER MARK, US
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<p style="text-align: right;">[21] 3,060,525 [13] A1</p> <p>[51] Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 3/10 (2006.01) A61P 15/10 (2006.01) A61P 25/00 (2006.01)</p> <p>[25] EN</p> <p>[54] NOVEL DUAL MODE OF ACTION SOLUBLE GUANYLATE CYCLASE ACTIVATORS AND PHOSPHODIESTERASE INHIBITORS AND USES THEREOF</p> <p>[54] NOUVEAUX ACTIVATEURS DE LA GUANYLATE CYCLASE SOLUBLES A DOUBLE MODE D'ACTION, INHIBITEURS DE PHOSPHODIESTERASE ET LEURS UTILISATIONS</p> <p>[72] NAEF, RETO, CH</p> <p>[72] TENOR, HERMANN, DE</p> <p>[71] TOPADUR PHARMA AG, DE</p> <p>[85] 2019-10-18</p> <p>[86] 2018-05-22 (PCT/EP2018/063339)</p> <p>[87] (WO2018/215433)</p> <p>[30] EP (17172193.9) 2017-05-22</p>	<p style="text-align: right;">[21] 3,060,528 [13] A1</p> <p>[51] Int.Cl. A23J 1/14 (2006.01) A23L 29/10 (2016.01) A23L 33/185 (2016.01) A23J 3/14 (2006.01)</p> <p>[25] FR</p> <p>[54] IMPROVED PEA ALBUMINS, METHOD FOR OBTAINING SAME AND APPLICATIONS THEREOF</p> <p>[54] ALBUMINES DE POIS AMELIOREES, PROCEDE D'OBTENTION ET LEURS APPLICATIONS</p> <p>[72] SENECOT, LUDOVIC, FR</p> <p>[72] LECOCQ, ALINE, FR</p> <p>[72] BARATA, MANUEL, FR</p> <p>[71] ROQUETTE FRERES, FR</p> <p>[85] 2019-10-21</p> <p>[86] 2018-04-27 (PCT/FR2018/051076)</p> <p>[87] (WO2018/197822)</p> <p>[30] FR (17 53765) 2017-04-28</p>	<p style="text-align: right;">[21] 3,060,531 [13] A1</p> <p>[51] Int.Cl. H02J 7/00 (2006.01)</p> <p>[25] EN</p> <p>[54] PLUG-IN ENERGY STORAGE BATTERIES AND NETWORKED PLUG-IN ENERGY STORAGE BATTERIES</p> <p>[54] BATTERIES DE STOCKAGE D'ENERGIE ENFICHABLES ET BATTERIES DE STOCKAGE D'ENERGIE ENFICHABLES EN RESEAU</p> <p>[72] HAFNER, ERIC, AZ</p> <p>[71] LEVEL ENERGY SYSTEMS LLC, US</p> <p>[85] 2019-10-22</p> <p>[86] 2017-10-18 (PCT/US2017/057273)</p> <p>[87] (WO2018/085048)</p> <p>[30] US (62/416,152) 2016-11-01</p> <p>[30] US (62/435,341) 2016-12-16</p> <p>[30] US (62/553,642) 2017-09-01</p>

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[54] ELEMENT D'ACCOUPLEMENT
[72] JACOBS, JON JOSEPH, US
[72] JACOBS, LONNIE JOSEPH, US
[72] NOYER, ROBERT WAYNE, US
[72] SEATON, LLOYD DALE, US
[71] COBALT COUPLER SYSTEMS, LLC, US
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[54] COMPOSES DE PHENYL-2-HYDROXY-ACETYLAMINO-2-METHYL-PHENYLE
[72] CIFUENTES-GARCIA, MARTA MARIA, US
[72] GARCIA-PAREDES, MARIA CRISTINA, US
[71] ELI LILLY AND COMPANY, US
[85] 2019-10-17
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[25] EN
[54] NEOANTIGEN IDENTIFICATION, MANUFACTURE, AND USE
[54] IDENTIFICATION DE NEOANTIGENES, FABRICATION ET UTILISATION
[72] BOUCHER, THOMAS, US
[72] BULIK-SULLIVAN, BRENDAN, US
[72] BUSBY, JENNIFER, US
[72] YELENSKY, ROMAN, US
[71] GRITSTONE ONCOLOGY, INC., US
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[54] EDITION THERAPEUTIQUE DU GENOME DANS LE SYNDROME DE WISKOTT-ALDRICK ET LA THROMBOCYTOPENIE LIEE AUX RAYONS X
[72] RAWLINGS, DAVID J., US
[72] KHAN, IRAM, US
[71] SEATTLE CHILDREN'S HOSPITAL (DBA SEATTLE CHILDREN'S RESEARCH INSTITUTE, US
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[25] EN
[54] SMART FOOT POSITION SENSOR FOR POWER WHEELCHAIR USERS, AND SYSTEMS AND METHODS OF USING SAME
[54] CAPTEUR INTELLIGENT DE POSITION DE PIED POUR UTILISATEURS DE FAUTEUIL ROULANT MOTORISE, ET SYSTEMES ET PROCEDES D'UTILISATION ASSOCIES
[72] BOGIE, KATHERINE M., US
[72] HENZEL, MARY KRISTINA, US
[72] MAJERUS, STEVEN, US
[72] MITCHELL, STEVEN J., US
[71] U.S. DEPARTMENT OF VETERANS AFFAIRS, US
[71] CASE WESTERN RESERVE UNIVERSITY, US
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[54] METHOD FOR COMPLETE AND FRAGMENTED MARKERS
[54] PROCEDE POUR MARQUEURS COMPLETS ET FRAGMENTES
[72] PUGIA, MICHAEL JOSEPH, US
[72] BAIRD, ZANE, US
[72] CAO, ZEHUI, US
[71] INDIANA BIOSCIENCES RESEARCH INSTITUTE, INC., US
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 - [54] **FORMULATIONS D'ANTICORPS ANTI-LAG3 ET CO-FORMULATIONS D'ANTICORPS ANTI-LAG3 ET D'ANTICORPS ANTI-PD-1**
 - [72] DESAI, PREETI G., US
 - [72] SHI, SHUAI, US
 - [72] ANTOCHSHUK, VALENTYN, US
 - [72] BURLAGE, RUBI, US
 - [72] RAGHAVA, SMITA, US
 - [71] MERCK SHARP & DOHME CORP., US
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- [54] **SYSTEME ET PROCEDE D'ANALYSE DE COMPOSITION**
- [72] KARLSSON, JAN, FI
- [72] ORAVA, RISTO, FI
- [71] SENSIITE OY, FI
- [85] 2019-10-18
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 - [54] **DERIVES D'INDOLINE SUBSTITUES UTILISES EN TANT QU'INHIBITEURS DE REPLICATION DU VIRUS DE LA DENGUE**
 - [72] BONFANTI, JEAN-FRANCOIS, FR
 - [72] KESTELEYN, BART RUDOLF ROMANIE, BE
 - [72] BARDIOT, DOROTHEE ALICE MARIE-EVE, BE
 - [72] MARCHAND, ARNAUD DIDIER M., BE
 - [72] COESEMANS, ERWIN, BE
 - [72] FORTIN, JEROME MICHEL CLAUDE, FR
 - [72] MERCEY, GUILLAUME JEAN MAURICE, FR
 - [72] RABOISSON, PIERRE JEAN-MARIE BERNARD, BE
 - [71] JANSSEN PHARMACEUTICALS, INC., US
 - [71] KATHOLIEKE UNIVERSITEIT LEUVEN, BE
 - [85] 2019-10-21
 - [86] 2018-05-18 (PCT/EP2018/063028)
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- [54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE DETECTION DE TEMPERATURE DANS DES SYSTEMES DE CHAUFFAGE PAR INDUCTION**
- [72] BLELOCH, ANDREW L., US
- [72] BHARDWAJ, NEERAJ, US
- [72] GREENFIELD, MATTHEW, US
- [72] NYSEN, PETER, US
- [71] LOTO LABS, INC., US
- [85] 2019-10-10
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 - [54] **NOUVELLE TECHNIQUE DE CLONAGE DIRECT DE GRANDS FRAGMENTS GENOMIQUES ET ENSEMBLE MULTI-MOLECULAIRE D'ADN**
 - [72] ZHANG, YOUNMING, CN
 - [72] WANG, HAILONG, CN
 - [72] FU, JUN, CN
 - [72] STEWART, ADRIAN FRANCIS, DE
 - [71] SHANDONG UNIVERSITY, CN
 - [71] TECHNISCHE UNIVERSITAT DRESDEN, DE
 - [85] 2019-10-21
 - [86] 2017-08-02 (PCT/CN2017/000483)
 - [87] (WO2018/170614)
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- [54] **AGENCEMENT DE PORTE COULISSANTE**
- [72] DREYER, ROGER, SE
- [72] RAJIC, IVAN, SE
- [72] AHLQVIST, OLA, SE
- [71] ASSA ABLOY ENTRANCE SYSTEMS AB, SE
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NETWORKS

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[72] GUNNERUD, VIDAR, NO

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[72] UGLANE, VIDAR THUNE, NO

[72] UR SIN-HOLM, STINE, NO

[71] SOLUTION SEEKER AS, NO

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IMPROVED GRANULATION AND
REDUCED MACERATION WITH
NEGATIVE-PRESSURE
TREATMENT

[54] PANSEMENTS COMPOSITES DE
GRANULATION AMELIOREE ET
DE MACERATION REDUITE
AVEC TRAITEMENT A PRESSION
NEGATIVE

[72] LOCKE, CHRISTOPHER BRIAN, GB

[72] ROBINSON, TIMOTHY MARK, GB

[71] KCI LICENSING, INC., US

[85] 2019-10-18

[86] 2018-06-05 (PCT/US2018/035957)

[87] (WO2018/226624)

[30] US (62/516,566) 2017-06-07

[30] US (62/516,550) 2017-06-07

[30] US (62/516,540) 2017-06-07

[30] US (62/565,754) 2017-09-29

[21] **3,060,589**

[13] A1

[51] Int.Cl. F04B 47/04 (2006.01) F04B
17/03 (2006.01) F04B 47/08 (2006.01)
F04B 47/12 (2006.01)

[25] EN

[54] POWER SYSTEM AND METHOD

[54] SYSTEME D'ALIMENTATION ET
PROCEDE

[72] BISHOP, MARK DANIEL, US

[71] MGB OILFIELD SOLUTIONS, LLC,
US

[85] 2019-10-18

[86] 2018-04-17 (PCT/US2018/028035)

[87] (WO2018/195124)

[30] US (62/486,858) 2017-04-18

[21] **3,060,591**

[13] A1

[51] Int.Cl. A61F 13/00 (2006.01) A61F
13/02 (2006.01)

[25] EN

[54] COMPOSITE DRESSINGS FOR
IMPROVED GRANULATION AND
REDUCED MACERATION WITH
NEGATIVE-PRESSURE
TREATMENT

[54] PANSEMENTS COMPOSITES DE
GRANULATION AMELIOREE ET
DE MACERATION REDUITE
AVEC TRAITEMENT A PRESSION
NEGATIVE

[72] ROBINSON, TIMOTHY MARK, GB

[72] LOCKE, CHRISTOPHER BRIAN, GB

[72] HARPER, JOHN R., US

[71] KCI LICENSING, INC., US

[85] 2019-10-18

[86] 2018-06-05 (PCT/US2018/035945)

[87] (WO2018/226616)

[30] US (62/516,540) 2017-06-07

[30] US (62/516,566) 2017-06-07

[30] US (62/516,550) 2017-06-07

[21] **3,060,592**

[13] A1

[51] Int.Cl. C07D 487/04 (2006.01)

[25] EN

[54] PROCESS FOR THE
PREPARATION OF PIPERAZINE
RING FOR THE SYNTHESIS OF
PYRAZINOCARBAZOLE
DERIVATIVES

[54] PROCEDE DE PREPARATION
D'UN CYCLE PIPERAZINE POUR
LA SYNTHESE DE DERIVES DE
PYRAZINOCARBAZOLE

[72] DA COSTA PEREIRA ROSA, CARLA
PATRICIA, PT

[72] RAMOS DAMIL, JOAO CARLOS, PT

[72] CORDEIRO SIMOES, ANA
VANESSA, PT

[72] SILVA SERRA, JOAO PEDRO, PT

[71] TECNIMIDE, SOCIEDADE
TECNICO-MEDICINAL, SA, PT

[85] 2019-10-21

[86] 2018-04-20 (PCT/IB2018/052753)

[87] (WO2018/193414)

[30] PT (110037) 2017-04-21

[30] EP (17167851.9) 2017-04-24

[21] **3,060,593**

[13] A1

[51] Int.Cl. C07D 487/04 (2006.01)

[25] EN

[54] PROCESS FOR THE
PREPARATION OF PIRLINDOLE
ENANTIOMERS AND ITS SALTS

[54] PROCEDE DE PREPARATION
D'ENANTIOMERES DE
PIRLINDOLE ET DE LEURS SELS

[72] DA COSTA PEREIRA ROSA, CARLA
PATRICIA, PT

[72] RAMOS DAMIL, JOAO CARLOS, PT

[72] CORDEIRO SIMOES, ANA
VANESSA, PT

[72] SILVA SERRA, JOAO PEDRO, PT

[71] TECNIMIDE, SOCIEDADE
TECNICO-MEDICINAL, SA, PT

[85] 2019-10-21

[86] 2018-04-20 (PCT/IB2018/052756)

[87] (WO2018/193415)

[30] PT (110038) 2017-04-21

[30] EP (17167852.7) 2017-04-24

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[21] 3,060,594
[13] A1

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- [25] EN
- [54] THE METHOD AND SYSTEM OF PROCESSING MEAL FROM OILSEEDS
- [54] PROCEDE ET SYSTEME DE TRAITEMENT DE PATEE A PARTIR DE GRAINES OLEAGINEUSES
- [72] LUKASZEWCZ, MARCIN, PL
- [72] KULAZYNKI, MAREK, PL
- [72] KRASOWSKA, ANNA, PL
- [71] INVENTIONBIO SP. Z O.O., PL
- [85] 2019-10-21
- [86] 2018-04-20 (PCT/IB2018/052768)
- [87] (WO2018/193421)
- [30] PL (PL421356) 2017-04-21

[21] 3,060,595
[13] A1

- [51] Int.Cl. B29C 64/153 (2017.01) B33Y 30/00 (2015.01) B33Y 50/02 (2015.01) B29C 64/393 (2017.01)
- [25] EN
- [54] METHOD AND SYSTEM FOR QUALITY ASSURANCE AND CONTROL OF ADDITIVE MANUFACTURING PROCESS
- [54] PROCEDE ET SYSTEME D'ASSURANCE QUALITE ET DE COMMANDE DE PROCESSUS DE FABRICATION ADDITIVE
- [72] JURG, MARTEN, AU
- [72] MOLOTHNIKOV, ANDREY, AU
- [71] MONASH UNIVERSITY, AU
- [85] 2019-10-18
- [86] 2018-05-10 (PCT/AU2018/050434)
- [87] (WO2018/204981)
- [30] AU (2017901729) 2017-05-10

[21] 3,060,597
[13] A1

[51] Int.Cl. C07D 403/04 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) C07D 239/42 (2006.01) C07D 409/04 (2006.01) C07D 413/04 (2006.01)

- [25] EN
- [54] PHENYL DERIVATIVES AS PGE2 RECEPTOR MODULATORS
- [54] DERIVES DE PHENYLE UTILISEES EN TANT QUE MODULATEURS DES RECEPTEURS DES PGE2
- [72] BOSS, CHRISTOPH, CH
- [72] CORMINBOUEUF, OLIVIER, CH
- [72] FRETZ, HEINZ, CH
- [72] LYOTHIER, ISABELLE, CH
- [72] POZZI, DAVIDE, CH
- [72] RICHARD-BILDSTEIN, SYLVIA, CH
- [72] SIENDT, HERVE, CH
- [72] SIFFERLEN, THIERRY, CH
- [71] IDORSIA PHARMACEUTICALS LTD, CH
- [85] 2019-10-18
- [86] 2018-05-17 (PCT/EP2018/062862)
- [87] (WO2018/210994)

[21] 3,060,598
[13] A1

- [51] Int.Cl. C07K 16/24 (2006.01) A61P 1/00 (2006.01)
- [25] EN
 - [54] TOPICAL TREATMENT OF INFLAMMATORY BOWEL DISEASE USING ANTIBODIES AND FRAGMENTS THEREOF
 - [54] TRAITEMENT TOPIQUE D'UNE MALADIE INFLAMMATOIRE DE L'INTESTIN A L'AIDE D'ANTICORPS ET DE FRAGMENTS DE CEUX-CI
 - [72] YADAV, VIPUL, GB
 - [72] BASIT, ABDUL WASEH, GB
 - [72] OLIVEIRA VARUM, FELIPE JOSE, CH
 - [72] BRAVO GONZALEZ, ROBERTO CARLOS, CH
 - [72] FURRER, ESTHER MARIA, CH
 - [71] TILLOTTS PHARMA AG, CH
 - [71] UNIVERSITY COLLEGE LONDON, GB
 - [85] 2019-10-21
 - [86] 2018-04-26 (PCT/EP2018/060690)
 - [87] (WO2018/219559)
 - [30] EP (17173847.9) 2017-05-31

[21] 3,060,600
[13] A1

[51] Int.Cl. F24F 13/24 (2006.01) F24F 7/04 (2006.01) F24F 13/02 (2006.01) F24F 13/06 (2006.01) F24F 13/08 (2006.01) F24F 13/26 (2006.01)

- [25] EN
- [54] INSERT FOR SUCTION DUCT
- [54] INSERT POUR CONDUIT D'ASPIRATION
- [72] HANSEN, ERIC, CA
- [72] TABESH, MOHAMMAD, CA
- [72] POINTEL, VINCENT, CA
- [72] COLAVINCENZO, STEPHEN, CA
- [72] CARON L'ECUYER, ALEXIS, CA
- [72] ETCHESSAHAR, MANUEL, CA
- [71] BOMBARDIER INC., CA
- [85] 2019-10-21
- [86] 2018-04-09 (PCT/IB2018/052466)
- [87] (WO2018/193335)
- [30] US (62/488,386) 2017-04-21

[21] 3,060,602
[13] A1

- [51] Int.Cl. B25J 19/00 (2006.01) B25J 13/08 (2006.01) B25J 19/06 (2006.01)
- [25] EN
 - [54] DETECTING A COLLISION OF A HANDLING DEVICE WITH AN OBSTACLE
 - [54] RECONNAISSANCE D'UNE COLLISION D'UN APPAREIL DE MANIPULATION AVEC UN OBSTACLE
 - [72] BALDINGER, ANDREAS, AT
 - [72] FERNER, TOBIAS, AT
 - [72] WOHLKINGER, WALTER, AT
 - [72] ZILLICH, MICHAEL, AT
 - [71] BLUE DANUBE ROBOTICS GMBH, AT
 - [85] 2019-10-21
 - [86] 2018-04-24 (PCT/AT2018/000031)
 - [87] (WO2018/195570)
 - [30] AT (A 166/2017) 2017-04-24

[21] 3,060,603
[13] A1

- [51] Int.Cl. B66B 7/06 (2006.01) F16B 2/00 (2006.01) F16B 2/02 (2006.01) F16B 2/14 (2006.01) F16G 11/04 (2006.01)
- [25] EN
 - [54] WEDGE CABLE CLAMP
 - [54] SERRE-CABLE A CALES
 - [72] DIETZ, WILLIAM HENRY, US
 - [71] HUBBELL INCORPORATED, US
 - [85] 2019-10-21
 - [86] 2018-04-20 (PCT/US2018/028509)
 - [87] (WO2018/195389)
 - [30] US (62/488,349) 2017-04-21

Demandes PCT entrant en phase nationale

<p>[21] 3,060,604 [13] A1</p> <p>[51] Int.Cl. B04B 5/04 (2006.01) B04B 5/06 (2006.01)</p> <p>[25] EN</p> <p>[54] COMPACT REVERSE FLOW CENTRIFUGE SYSTEM</p> <p>[54] SYSTEME DE CENTRIFUGEUSE A FLUX INVERSE COMPACT</p> <p>[72] FITZPATRICK, IAN, AU</p> <p>[72] JAMES, DAVID, AU</p> <p>[72] WILSON, STEPHEN, AU</p> <p>[71] SCINOGY PRODUCTS PTY LTD, AU</p> <p>[85] 2019-10-21</p> <p>[86] 2018-05-11 (PCT/AU2018/050449)</p> <p>[87] (WO2018/204992)</p> <p>[30] AU (2017901771) 2017-05-12</p> <p>[30] AU (2018900193) 2018-01-22</p>

<p>[21] 3,060,605 [13] A1</p> <p>[51] Int.Cl. F04D 29/22 (2006.01) F03B 3/12 (2006.01)</p> <p>[25] EN</p> <p>[54] SPLIT RUNNER</p> <p>[54] ROTOR A PLUSIEURS PARTIES</p> <p>[72] LOETSCHER, BENNO, CH</p> <p>[72] KUHN, KLAUS, DE</p> <p>[72] ISLER, PASCAL, CH</p> <p>[71] ANDRITZ HYDRO GMBH, AT</p> <p>[85] 2019-10-21</p> <p>[86] 2018-06-07 (PCT/AT2018/060116)</p> <p>[87] (WO2019/018866)</p>

<p>[21] 3,060,606 [13] A1</p> <p>[51] Int.Cl. A61K 31/185 (2006.01) A61K 33/04 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR INHIBITING GLYCOLYSIS IN CELLS AND USE THEREOF</p> <p>[54] PROCEDE D'INHIBITION DE PROCESSUS DE GLYCOLYSE CELLULAIRE ET SON APPLICATION</p> <p>[72] QIN, CAIDONG, CN</p> <p>[71] QIN, CAIDONG, CN</p> <p>[85] 2019-10-21</p> <p>[86] 2018-04-20 (PCT/CN2018/083952)</p> <p>[87] (WO2018/192573)</p> <p>[30] CN (201710285989.9) 2017-04-22</p> <p>[30] CN (201710324594.5) 2017-05-02</p> <p>[30] CN (201710740788.3) 2017-08-17</p> <p>[30] CN (201710956579.2) 2017-09-27</p>

<p>[21] 3,060,608 [13] A1</p> <p>[51] Int.Cl. H04N 21/431 (2011.01) H04N 21/462 (2011.01) H04N 21/4782 (2011.01) H04N 21/81 (2011.01) H04N 21/8543 (2011.01)</p> <p>[25] EN</p> <p>[54] METHOD, DEVICE AND SYSTEM FOR CONTROLLING CONTENT DISPLAY</p> <p>[54] PROCEDE, DISPOSITIF ET SYSTEME DE COMMANDE D'AFFICHAGE DE CONTENU</p> <p>[72] BUNDI, PRASHANTH NAIDU, GB</p> <p>[71] REZONENCE LIMITED, GB</p> <p>[85] 2019-10-21</p> <p>[86] 2018-04-23 (PCT/GB2018/051060)</p> <p>[87] (WO2018/193274)</p> <p>[30] GB (1706386.8) 2017-04-21</p>

<p>[21] 3,060,611 [13] A1</p> <p>[51] Int.Cl. A47C 27/06 (2006.01) B68G 15/00 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD AND APPARATUS FOR MANUFACTURING A COVER LAYER OF A FLEECE MATERIAL FOR AN INNERSPRING UNIT AND INNERSPRING UNIT</p> <p>[54] PROCEDE ET APPAREIL DE FABRICATION D'UNE COUCHE DE RECOUVREMENT D'UN MATERIAU NON TISSE POUR UNITE DE RESSORTS INTERNES ET UNITE DE RESSORTS INTERNES</p> <p>[72] FISCHER, ANDREAS, CH</p> <p>[71] SPUHL GMBH, CH</p> <p>[85] 2019-10-21</p> <p>[86] 2017-06-07 (PCT/EP2017/063836)</p> <p>[87] (WO2018/224141)</p>
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[21] 3,060,617
[13] A1

- [51] Int.Cl. A61B 90/00 (2016.01) A61M 5/00 (2006.01) G06K 9/00 (2006.01) A61B 34/10 (2016.01) A61B 34/20 (2016.01) A61B 90/50 (2016.01)
- [25] EN
- [54] SYSTEM AND METHOD FOR HOLOGRAPHIC IMAGE-GUIDED NON-VASCULAR PERCUTANEOUS PROCEDURES
- [54] SYSTEME ET PROCEDE POUR DES PROCEDURES PERCUTANNEES NON VASCULAIRES GUIDEES PAR IMAGE HOLOGRAPHIQUE
- [72] WEST, KARL, US
- [72] YANOF, JEFFREY H., US
- [71] THE CLEVELAND CLINIC FOUNDATION, US
- [85] 2019-10-18
- [86] 2018-04-20 (PCT/US2018/028615)
- [87] (WO2018/195456)
- [30] US (62/487,519) 2017-04-20

[21] 3,060,618
[13] A1

- [51] Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12N 15/63 (2006.01) G01N 33/574 (2006.01)
- [25] EN
- [54] NOVEL MONOCLOINAL ANTIBODIES TO CYTOTOXIC T-LYMPHOCYTE-ASSOCIATED PROTEIN 4 (CTLA-4)
- [54] NOUVEAUX ANTICORPS MONOCLONAUX DIRIGES CONTRE LA PROTEINE 4 ASSOCIEE AUX LYMPHOCYTES T CYTOTOXIQUES (CTLA-4)
- [72] WANG, ZHUOZHI, CN
- [72] LI, JING, US
- [72] GOLOLOBOV, GENNADY, US
- [72] XU, JIANQING, CN
- [71] WUXI BIOLOGICS (SHANGHAI) CO. LTD., CN
- [85] 2019-10-21
- [86] 2017-05-19 (PCT/CN2017/085134)
- [87] (WO2018/209701)

[21] 3,060,619
[13] A1

- [51] Int.Cl. C25D 7/04 (2006.01) C25D 17/00 (2006.01) C25D 17/06 (2006.01) C25D 17/12 (2006.01)
- [25] EN
- [54] TUBULAR ARTICLES WITH ELECTRODEPOSITED COATINGS, AND SYSTEMS AND METHODS FOR PRODUCING THE SAME
- [54] ARTICLES TUBULAIRES DOTES DE REVETEMENTS DEPOSES PAR ELECTRODEPOSITION ET SYSTEMES ET PROCEDES DE PRODUCTION DESDITS ARTICLES
- [72] LOMASNEY, CHRISTINA A., US
- [72] LI, GUOHUA, US
- [72] ANGELO, NICHOLAS, US
- [71] MODUMETAL, INC., US
- [85] 2019-10-17
- [86] 2018-04-20 (PCT/US2018/028704)
- [87] (WO2018/195516)
- [30] US (62/488,645) 2017-04-21

[21] 3,060,621
[13] A1

- [51] Int.Cl. H04W 64/00 (2009.01) G01S 5/00 (2006.01) H04W 76/50 (2018.01)
- [25] EN
- [54] SYSTEMS AND METHODS FOR POSITIONING MOBILE DEVICES IN A FIFTH GENERATION WIRELESS NETWORK
- [54] SYSTEMES ET PROCEDES DE POSITIONNEMENT DE DISPOSITIFS MOBILES DANS UN RESEAU SANS FIL DE CINQUIEME GENERATION
- [72] EDGE, STEPHEN WILLIAM, US
- [72] FISCHER, SVEN, US
- [72] KITAZOE, MASATO, US
- [72] ZISIMOPoulos, HARIS, US
- [72] LOPES, LUIS FERNANDO BRISSON, US
- [71] QUALCOMM INCORPORATED, US
- [85] 2019-10-18
- [86] 2018-04-13 (PCT/US2018/027460)
- [87] (WO2018/217323)
- [30] US (62/511,958) 2017-05-26
- [30] US (15/951,870) 2018-04-12

[21] 3,060,623
[13] A1

- [51] Int.Cl. H04W 72/04 (2009.01)
- [25] EN
- [54] WIRELESS COMMUNICATION METHOD, TERMINAL DEVICE, AND NETWORK DEVICE
- [54] PROCEDE DE COMMUNICATION SANS FIL, DISPOSITIF TERMINAL ET DISPOSITIF DE RESEAU
- [72] TANG, HAI, CN
- [72] XU, HUA, CA
- [71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
- [85] 2019-10-21
- [86] 2017-05-03 (PCT/CN2017/082900)
- [87] (WO2018/201344)

[21] 3,060,626
[13] A1

- [51] Int.Cl. C10G 61/02 (2006.01) C10L 1/06 (2006.01) C10L 10/10 (2006.01)
- [25] EN
- [54] FIRST STAGE PROCESS CONFIGURATIONS IN A 2-STAGE BIO-REFORMING REACTOR SYSTEM
- [54] CONFIGURATIONS DE PROCEDE DE PREMIER ETAGE DANS UN SYSTEME DE REACTEUR DE BIREFORMAGE A 2 ETAGES
- [72] JACK, DOUGLAS S., US
- [72] BROERMAN, ANDREW S., US
- [71] SUNDROP IP HOLDINGS, LLC, US
- [85] 2019-10-21
- [86] 2018-04-26 (PCT/US2018/029547)
- [87] (WO2018/200797)

[21] 3,060,629
[13] A1

- [51] Int.Cl. A41C 3/10 (2006.01) A41C 5/00 (2006.01)
- [25] EN
- [54] BRASSIERE AND ASSOCIATED METHOD OF MANUFACTURE
- [54] SOUTIEN-GORGE ET PROCEDE DE FABRICATION ASSOCIE
- [72] TRANGMAR, NANCY KAY, US
- [72] MARSDEN, MEGHAN ELIZABETH, US
- [72] STEWART, BENJAMIN ELLIOTT, US
- [71] VEIL INTIMATES LLC, US
- [85] 2019-10-21
- [86] 2018-05-07 (PCT/US2018/031428)
- [87] (WO2018/204927)

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[21] 3,060,630
[13] A1

[51] Int.Cl. A01K 67/027 (2006.01) C12N 5/075 (2010.01) C12N 15/873 (2010.01) C12N 15/877 (2010.01) C12N 5/16 (2006.01) C12N 15/90 (2006.01)
[25] EN
[54] METHODS FOR GENERATING GENETICALLY MODIFIED ANIMALS
[54] PROCEDES DE PRODUCTION D'ANIMAUX GENETIQUEMENT MODIFIES
[72] YANG, LUHAN, US
[71] EGENESIS, INC., US
[85] 2019-10-18
[86] 2018-04-20 (PCT/US2018/028539)
[87] (WO2018/195402)
[30] US (62/487,898) 2017-04-20
[30] US (62/500,197) 2017-05-02
[30] US (62/527,702) 2017-06-30
[30] US (62/543,610) 2017-08-10

[21] 3,060,632
[13] A1

[51] Int.Cl. A61B 90/98 (2016.01) A61B 5/07 (2006.01) A61M 39/00 (2006.01) A61M 39/02 (2006.01)
[25] EN
[54] IMPLANTABLE UNIQUE DEVICE IDENTIFIER AND DETECTION SYSTEM
[54] IDENTIFIANT DE DISPOSITIF UNIQUE IMPLANTABLE ET SYSTEME DE DETECTION
[72] BODNICKI, KYLE, US
[72] CHANDUSZKO, ANDRZEJ J., US
[72] CHEN, LONG, US
[72] LIGOURI, KIM ROMNEY, US
[72] LOPEZ, LENNY, US
[72] MESSINA, GENEVIEVE, US
[72] ZHENG, PENG, US
[71] BARD PERIPHERAL VASCULAR, INC., US
[85] 2019-10-21
[86] 2018-04-20 (PCT/US2018/028605)
[87] (WO2018/200333)
[30] US (62/491,846) 2017-04-28

[21] 3,060,634
[13] A1

[51] Int.Cl. A01B 63/24 (2006.01) A01B 15/06 (2006.01) A01B 21/08 (2006.01) A01B 63/111 (2006.01) A01B 63/112 (2006.01) A01B 63/32 (2006.01)
[25] EN
[54] AGRICULTURAL SOIL CULTIVATION UNIT
[54] ENGIN DE TRAVAIL DE SOL DANS LE DOMAINE DE L'AGRICULTURE
[72] PREMESS, HANS-JORG, AT
[72] BALDINGER, FRIEDRICH, AT
[72] KALTEIS, FRIEDRICH, AT
[72] MEINDLHUMER, WILHELM, AT
[71] POTTINGER LANDTECHNIK GMBH, AT
[85] 2019-10-21
[86] 2018-04-24 (PCT/EP2018/060491)
[87] (WO2018/197505)

[21] 3,060,639
[13] A1

[51] Int.Cl. F04D 29/32 (2006.01) F04D 19/00 (2006.01) F04D 29/00 (2006.01) F04D 29/34 (2006.01) F04D 29/64 (2006.01)
[25] EN
[54] COOLING TOWER AXIAL FAN IN A HOLLOWED DISC/RING CONFIGURATION
[54] VENTILATEUR AXIAL DE TOUR DE REFROIDISSEMENT DANS UNE CONFIGURATION CREUSEE DE DISQUE/ANNEAU
[72] MARTINI, LUIGI, US
[72] STRAUSS, DANIEL, US
[72] DE ARAUJO PEREIRA ANDRADE, RICARDO, US
[71] EVAPCO, INC., US
[85] 2019-10-17
[86] 2018-04-23 (PCT/US2018/028884)
[87] (WO2018/195539)
[30] US (62/488,303) 2017-04-21
[30] US (15/959,998) 2018-04-23

[21] 3,060,641
[13] A1

[51] Int.Cl. C25B 15/02 (2006.01) C25B 1/10 (2006.01) C25B 9/00 (2006.01) C25B 15/08 (2006.01)
[25] EN
[54] METHOD FOR OPERATING A WATER ELECTROLYSIS DEVICE
[54] PROCEDE DE FONCTIONNEMENT D'UN DISPOSITIF D'ELECTROLYSE DE L'EAU
[72] HOLLER, STEFAN, DE
[71] HOELLER ELECTROLYZER GMBH, DE
[85] 2019-10-21
[86] 2018-04-23 (PCT/EP2018/060352)
[87] (WO2018/197419)
[30] EP (PCT/EP2017/059628) 2017-04-24

[21] 3,060,642
[13] A1

[51] Int.Cl. E21B 43/08 (2006.01) E21B 33/13 (2006.01) E21B 34/06 (2006.01) E21B 34/08 (2006.01) E21B 43/12 (2006.01)
[25] EN
[54] TEMPORARY BARRIER FOR INFLOW CONTROL DEVICE
[54] BARRIERE TEMPORAIRE POUR DISPOSITIF DE REGULATION D'ECOULEMENT ENTRANT
[72] MHASKAR, NAUMAN, US
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2019-10-17
[86] 2018-04-23 (PCT/US2018/028946)
[87] (WO2018/208493)
[30] US (15/593,466) 2017-05-12

[21] 3,060,654
[13] A1

[51] Int.Cl. A61F 2/24 (2006.01) A61B 17/00 (2006.01) A61B 17/34 (2006.01)
[25] EN
[54] DELIVERY APPARATUS FOR A PROSTHETIC HEART VALVE
[54] DISPOSITIF DE POSE D'UNE VALVE CARDIAQUE PROTHETIQUE
[72] COHEN, OREN, US
[72] WITZMAN, OFIR, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2019-10-17
[86] 2018-04-24 (PCT/US2018/029150)
[87] (WO2018/200531)
[30] US (62/490,210) 2017-04-26
[30] US (15/959,623) 2018-04-23

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<p>[21] 3,060,656 [13] A1</p> <p>[51] Int.Cl. E21B 33/12 (2006.01) E21B 23/06 (2006.01)</p> <p>[25] EN</p> <p>[54] PLUG INSERT FOR A FRAC PLUG TOOL AND METHOD OF ASSEMBLING THEREOF</p> <p>[54] PIECE RAPPORTEE DE BOUCHON POUR UN OUTIL DE BOUCHON DE FRACTURATION ET SON PROCEDE D'ASSEMBLAGE</p> <p>[72] WILCOX, DAVID J., US</p> <p>[72] CHAFFER, KEVIN B., US</p> <p>[71] HALLIBURTON ENERGY SERVICES, INC., US</p> <p>[85] 2019-10-21</p> <p>[86] 2017-06-29 (PCT/US2017/040077)</p> <p>[87] (WO2019/005077)</p>
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<p>[21] 3,060,658 [13] A1</p> <p>[51] Int.Cl. C10M 137/08 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD OF LUBRICATING A MECHANICAL DEVICE WITH HIGH PYROPHOSPHATE LEVEL LUBRICANT</p> <p>[54] PROCEDE DE LUBRIFICATION D'UN DISPOSITIF MECANIQUE A L'AIDE D'UN LUBRIFIANT A HAUTE TENEUR EN PYROPHOSPHATE</p> <p>[72] FILIPPINI, BRIAN B., US</p> <p>[72] PATTERSON, SUZANNE, US</p> <p>[72] BARTON, WILLIAM R.S., GB</p> <p>[71] THE LUBRIZOL CORPORATION, US</p> <p>[85] 2019-10-17</p> <p>[86] 2018-04-25 (PCT/US2018/029344)</p> <p>[87] (WO2018/200664)</p> <p>[30] US (62/490,697) 2017-04-27</p>

<p>[21] 3,060,659 [13] A1</p> <p>[51] Int.Cl. H04W 68/00 (2009.01) H04W 52/00 (2009.01) H04B 1/00 (2006.01) H04B 17/00 (2015.01)</p> <p>[25] EN</p> <p>[54] HAIL AND ACCEPTANCE FOR BATTERY-POWERED DEVICES</p> <p>[54] SALUTATION ET ACCEPTATION POUR DISPOSITIFS ALIMENTES PAR BATTERIE</p> <p>[72] SPLITZ, DAVID EDWIN, US</p> <p>[72] MAGLEY, DALE MCLEOD, US</p> <p>[71] MUELLER INTERNATIONAL, LLC, US</p> <p>[85] 2019-10-21</p> <p>[86] 2017-09-07 (PCT/US2017/050393)</p> <p>[87] (WO2018/203922)</p> <p>[30] US (15/583,263) 2017-05-01</p>
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<p>[21] 3,060,663 [13] A1</p> <p>[51] Int.Cl. A61F 2/24 (2006.01)</p> <p>[25] EN</p> <p>[54] PROSTHETIC HEART VALVE WITH COLLAPSIBLE HOLDER</p> <p>[54] VALVULE CARDIAQUE PROTHETIQUE AVEC SUPPORT PLIABLE</p> <p>[72] GURUNATH, ANKITA BORDOLOI, US</p> <p>[72] JOHNSON, DERRICK, US</p> <p>[72] CONKLIN, BRIAN S., US</p> <p>[72] HOWANEK, MYRON, JR., US</p> <p>[71] EDWARDS LIFESCIENCES CORPORATION, US</p> <p>[85] 2019-10-17</p> <p>[86] 2018-04-25 (PCT/US2018/029374)</p> <p>[87] (WO2018/200681)</p> <p>[30] US (62/491,998) 2017-04-28</p>
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<p>[21] 3,060,660 [13] A1</p> <p>[51] Int.Cl. A61B 8/00 (2006.01) G10K 11/02 (2006.01)</p> <p>[25] EN</p> <p>[54] STERILE COVERS FOR ULTRASOUND TRANSDUCER</p> <p>[54] COUVERTURES STERILES POUR TRANSDUCTEUR ULTRASONORE</p> <p>[72] NORDGREN, GREGORY, US</p> <p>[72] WAGNER, GEOFFREY SCOTT, US</p> <p>[71] CIVCO MEDICAL INSTRUMENTS CO., INC., US</p> <p>[85] 2019-10-21</p> <p>[86] 2018-04-26 (PCT/US2018/029566)</p> <p>[87] (WO2018/200809)</p> <p>[30] US (62/490,993) 2017-04-27</p>
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<p>[21] 3,060,669 [13] A1</p> <p>[51] Int.Cl. C12N 9/52 (2006.01)</p> <p>[25] EN</p> <p>[54] BOTULINUM NEUROTOXINS PRODUCTION METHODS</p> <p>[54] PROCEDES DE PRODUCTION DE NEUROTOXINES BOTULINIQUES</p> <p>[72] MENON, SATISH, US</p> <p>[72] JARPE, MICHAEL, US</p> <p>[72] ABEL, KENTON, US</p> <p>[71] BONTI, INC., US</p> <p>[85] 2019-10-17</p> <p>[86] 2018-04-27 (PCT/US2018/029855)</p> <p>[87] (WO2018/200991)</p> <p>[30] US (62/491,376) 2017-04-28</p> <p>[30] US (62/525,050) 2017-06-26</p> <p>[30] US (62/525,062) 2017-06-26</p> <p>[30] US (62/525,073) 2017-06-26</p>
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<p>[21] 3,060,662 [13] A1</p> <p>[51] Int.Cl. C08J 9/14 (2006.01) C08L 25/04 (2006.01) C08L 55/02 (2006.01)</p> <p>[25] EN</p> <p>[54] FLUORINATED COMPOUNDS USEFUL AS FOAM EXPANSION AGENTS</p> <p>[54] COMPOSES FLUORES UTILES EN TANT QU'AGENTS D'EXPANSION DE MOUSSE</p> <p>[72] LOH, GARY, US</p> <p>[72] ATA, SAADAT, US</p> <p>[71] THE CHEMOURS COMPANY FC, LLC, US</p> <p>[85] 2019-10-21</p> <p>[86] 2018-05-03 (PCT/US2018/030839)</p> <p>[87] (WO2018/213011)</p> <p>[30] US (62/508,746) 2017-05-19</p>

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[21] **3,060,671**
[13] A1

- [51] Int.Cl. D21H 27/00 (2006.01) B32B 5/02 (2006.01) B32B 5/26 (2006.01) B32B 7/12 (2006.01) D21H 27/32 (2006.01) D21H 27/40 (2006.01)
- [25] EN
- [54] **DISPOSABLE TOWEL PRODUCED WITH LARGE VOLUME SURFACE DEPRESSIONS**
- [54] SERVIETTE JETABLE PRODUITE AVEC DES CREUX DE SURFACE DE GRAND VOLUME
- [72] LEBRUN, LOUIS, US
- [72] MILLER, BYRD TYLER, IV, US
- [72] PENCE, JUSTIN C., US
- [72] SEALEY, JAMES E., II, US
- [71] STRUCTURED I, LLC, US
- [85] 2019-10-17
- [86] 2018-04-27 (PCT/US2018/029905)
- [87] (WO2018/201021)
- [30] US (15/499,513) 2017-04-27

[21] **3,060,677**
[13] A1

- [51] Int.Cl. C08L 75/04 (2006.01) C08G 18/10 (2006.01) C08G 18/76 (2006.01) C08K 5/00 (2006.01) C08K 5/134 (2006.01) C08K 5/20 (2006.01) C08K 7/14 (2006.01)

- [25] EN
- [54] **THERMOPLASTIC COMPOSITIONS, METHODS, APPARATUS, AND USES**
- [54] **COMPOSITIONS THERMOPLASTIQUES, PROCEDES, APPAREIL ET UTILISATIONS**
- [72] COLGROVE, JAMES R., US
- [72] WOJCHIECHOWSKI, KEITH, US
- [71] DERRICK CORPORATION, US
- [85] 2019-10-17
- [86] 2018-04-27 (PCT/US2018/029944)
- [87] (WO2018/201043)
- [30] US (62/492,054) 2017-04-28
- [30] US (62/500,262) 2017-05-02

[21] **3,060,709**
[13] A1

- [51] Int.Cl. B07C 3/10 (2006.01) B07C 5/18 (2006.01) B07C 5/36 (2006.01) B07C 7/02 (2006.01) B65G 1/00 (2006.01)
- [25] EN
- [54] **MATERIAL HANDLING APPARATUS AND METHOD FOR AUTOMATIC AND MANUAL SORTING OF ITEMS USING A DYNAMICALLY CONFIGURABLE SORTING ARRAY**
- [54] **APPAREIL DE MANIPULATION DE MATERIELS ET PROCEDE POUR LE TRI AUTOMATIQUE ET MANUEL D'ARTICLES A L'AIDE D'UN GROUPEMENT DE TRI POUVANT ETRE CONFIGURE DE FACON DYNAMIQUE**
- [72] CHERRY, KEVIN, US
- [72] MCVAUGH, MONTY, US
- [72] SAUER, JOHN, US
- [72] STEVENS, ALEXANDER, US
- [71] OPEX CORPORATION, US
- [85] 2019-10-21
- [86] 2017-09-06 (PCT/US2017/050294)
- [87] (WO2018/203921)
- [30] US (PCT/US201730930) 2017-05-03

[21] **3,060,713**
[13] A1

- [51] Int.Cl. B60T 13/66 (2006.01) B60T 8/40 (2006.01) B60T 13/68 (2006.01) B60T 13/70 (2006.01) B60T 17/02 (2006.01)
- [25] EN
- [54] **Brake by wire**
- [54] **Système de freinage intégré**
- [72] GABBIANELLI, FRANK, US
- [72] DEAVILLE, TODD, CA
- [72] WILLIAMSON, MATTHEW, CA
- [72] SALTSMAN, BENJAMIN, US
- [72] YOUNG, WARREN, US
- [72] REABURN, TIMOTHY, CA
- [71] MAGNA INTERNATIONAL INC., CA
- [85] 2019-10-21
- [86] 2018-05-14 (PCT/US2018/032526)
- [87] (WO2018/209338)
- [30] US (62/505,358) 2017-05-12
- [30] US (62/572,764) 2017-10-16
- [30] US (62/629,853) 2018-02-13

[21] **3,060,722**
[13] A1

- [51] Int.Cl. A61K 39/09 (2006.01) A61K 9/00 (2006.01) A61K 39/00 (2006.01) A61K 39/39 (2006.01) A61K 45/06 (2006.01) A61P 11/06 (2006.01) A61P 37/08 (2006.01)
- [25] EN
- [54] **PHARMACEUTICAL COMPOSITION COMPRISING ATTENUATED STREPTOCOCCUS PNEUMONIAE STRAINS AND USE THEREOF**
- [54] **COMPOSITION PHARMACEUTIQUE COMPRENANT DES SOUCHES ATTENUEES DE STREPTOCOCCUS PNEUMONIAE ET SON UTILISATION**
- [72] RHEE, DONG-KWON, KR
- [72] SEON, SEUNG-HAN, KR
- [72] KIM, BO-GYUNG, KR
- [71] DOKNIP BIOPHARM CO., KR
- [85] 2019-10-21
- [86] 2018-04-25 (PCT/KR2018/004800)
- [87] (WO2018/199628)
- [30] KR (10-2017-0053512) 2017-04-26
- [30] KR (10-2018-0029765) 2018-03-14

[21] **3,060,723**
[13] A1

- [51] Int.Cl. C07K 14/34 (2006.01)
- [25] EN
- [54] **AN IMPROVED METHOD FOR HIGH LEVEL PRODUCTION OF CRM**
- [54] **PROCEDE AMELIORE DE PRODUCTION A HAUT NIVEAU DE CRM**
- [72] MASILAMANI, BALAMURALI, IN
- [72] SRIRAMAN, RAJAN, IN
- [72] DIXIT, MANDAR SHIRISH, IN
- [72] CHAKKA, DEVIPRASANNA, IN
- [72] NAIDU, SUREDDISATYAM, IN
- [72] MATUR, RAMESH VENKAT, IN
- [72] MANTENA, NARENDER DEV, IN
- [72] DATLA, MAHIMA, IN
- [71] BIOLOGICAL E LIMITED, IN
- [85] 2019-10-21
- [86] 2018-04-19 (PCT/IN2018/050235)
- [87] (WO2018/193475)
- [30] IN (201741014335) 2017-04-22

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[21] 3,060,725

[13] A1

[51] Int.Cl. A61M 16/10 (2006.01) A61M 1/00 (2006.01) A61M 16/04 (2006.01) A61M 16/08 (2006.01)

[25] EN

[54] TRACHEAL INTUBATION DEVICE FOR DELIVERY OF APNEIC OXYGENATION AND SUCTION

[54] DISPOSITIF D'INTUBATION TRACHEALE POUR ADMINISTRATION D'OXYGENATION APNEIQUE ET ASPIRATION

[72] SOARES, DIANE, CA

[72] TESSARO, MARK OLIVER, CA

[72] KARSLI, CENGIZ, CA

[72] GORDON, PETER ALEXANDER, CA

[71] THE HOSPITAL FOR SICK CHILDREN, CA

[85] 2019-10-21

[86] 2018-04-24 (PCT/CA2018/050479)

[87] (WO2018/195656)

[30] US (62/489,624) 2017-04-25

[21] 3,060,784

[13] A1

[51] Int.Cl. C25B 9/06 (2006.01) C25B 9/04 (2006.01) C25B 9/18 (2006.01) C25B 11/06 (2006.01)

[25] EN

[54] MULTI-PURPOSE BIO-ELECTRICAL MODULES AND PROCEDURES

[54] MODULES ET PROCEDURES BIOELECTRIQUES POLYVALENTS

[72] SIEGERT, MICHAEL, CH

[71] SIEGERT, MICHAEL, CH

[85] 2019-10-21

[86] 2018-04-18 (PCT/IB2018/052671)

[87] (WO2018/193381)

[30] US (62/492,163) 2017-04-29

[30] US (62/487,485) 2017-04-20

[21] 3,060,785

[13] A1

[51] Int.Cl. G06Q 20/20 (2012.01) G06Q 20/12 (2012.01) G06Q 20/32 (2012.01) G06Q 20/34 (2012.01) G06Q 20/42 (2012.01)

[25] EN

[54] SECURE ACCOUNT CREATION
[54] CREATION DE COMPTE SECURISE

[72] GRASSASDONIA, BRIAN, US

[72] MORING, MICHAEL, US

[72] ANDRESEN, ROBERT, US

[72] PERITO, DANIELE, US

[72] OMOJOLA, AYOKUNLE, US

[71] SQUARE, INC., US

[85] 2019-10-21

[86] 2018-06-27 (PCT/US2018/039756)

[87] (WO2019/005968)

[30] US (15/638,190) 2017-06-29

[30] US (15/640,321) 2017-06-30

[21] 3,060,786

[13] A1

[51] Int.Cl. G06N 99/00 (2019.01)

[25] EN

[54] OPERATOR AVERAGING WITHIN QUANTUM COMPUTING SYSTEMS

[54] ETABLISSEMENT DE MOYENNE D'OPERATEUR DANS DES SYSTEMES INFORMATIQUES QUANTIQUES

[72] BABBUSH, RYAN, US

[71] GOOGLE LLC, US

[85] 2019-10-21

[86] 2017-12-18 (PCT/US2017/067095)

[87] (WO2018/212789)

[30] US (62/506,319) 2017-05-15

[21] 3,060,788

[13] A1

[51] Int.Cl. H03M 13/11 (2006.01) H04L 1/00 (2006.01)

[25] EN

[54] METHOD FOR PERFORMING ENCODING ON BASIS OF PARITY CHECK MATRIX OF LDPC CODE IN WIRELESS COMMUNICATION SYSTEM AND TERMINAL USING SAME

[54] PROCEDE DE MISE EN OEUVRE D'UN CODAGE SUR LA BASE D'UNE MATRICE DE CONTROLE DE PARITE DE CODE DE CONTROLE DE PARITE A FAIBLE DENSITE (LDPC) DANS UN SYSTEME DE COMMUNICATION SANS FIL ET TERMINAL L'UTILISANT

[72] BYUN, ILMU, KR

[72] KIM, JINWOO, KR

[72] NOH, KWANGSEOK, KR

[72] SHIN, JONGWOONG, KR

[72] KIM, BONGHOE, KR

[71] LG ELECTRONICS INC., KR

[85] 2019-10-22

[86] 2018-04-26 (PCT/KR2018/004835)

[87] (WO2019/004581)

[30] US (62/524,588) 2017-06-25

[21] 3,060,789

[13] A1

[51] Int.Cl. B60N 2/427 (2006.01) B60N 2/24 (2006.01) B60N 2/42 (2006.01) B60R 22/12 (2006.01) B60R 22/28 (2006.01) F41H 7/04 (2006.01)

[25] EN

[54] SHOCK-ABSORBING SEAT HAVING WALL-MOUNTED DAMPING MEMBERS

[54] SIEGE AMORTISSEUR DE CHOCS COMPRENANT DES ORGANES D'AMORTISSEMENT FIXES AU MUR

[72] NEULING, RENE, DE

[72] BUDER, FRANCOIS, DE

[72] INDEN, MICHAEL, DE

[71] RHEINMETALL CHEMPRO GMBH, DE

[85] 2019-10-22

[86] 2018-04-13 (PCT/EP2018/059604)

[87] (WO2018/189400)

[30] DE (10 2017 108 074.0) 2017-04-13

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<p style="text-align: right;">[21] 3,060,790 [13] A1</p> <p>[25] EN [54] PERFORMING PARALLEL EXECUTION OF TRANSACTIONS IN A DISTRIBUTED LEDGER SYSTEM [54] MISE EN ŒUVRE DE L'EXECUTION EN PARALLELE DE TRANSACTIONS DANS UN SYSTEME DE REGISTRE DISTRIBUE [72] XIE, GUILU, CN [71] ALIBABA GROUP HOLDING LIMITED, KY [85] 2019-10-22 [86] 2019-04-12 (PCT/CN2019/082564) [87] (WO2019/120334)</p>	<p style="text-align: right;">[21] 3,060,833 [13] A1</p> <p>[51] Int.Cl. B65D 81/26 (2006.01) B01J 20/22 (2006.01) [25] EN [54] ABSORBENT TRAY WITH COATING [54] PLATEAU ABSORBANT AVEC REVETEMENT [72] JONSSON, FRIDRIK R., IS [71] EMERY SILFURTUN INC., CA [85] 2019-10-18 [86] 2018-04-27 (PCT/CA2018/050492) [87] (WO2018/195665) [30] US (62/491,352) 2017-04-28</p>	<p style="text-align: right;">[21] 3,060,837 [13] A1</p> <p>[51] Int.Cl. A47D 9/00 (2006.01) A61G 17/00 (2006.01) [25] EN [54] TEMPERATURE-CONTROLLED CRADLE [54] BERCEAU A TEMPERATURE REGULEE [72] KOWALSKI, WENDY, US [71] COMFORT INNOVATIONS LLC, US [85] 2019-10-17 [86] 2018-05-01 (PCT/US2018/030503) [87] (WO2018/204396) [30] US (62/492,380) 2017-05-01</p>
<p style="text-align: right;">[21] 3,060,829 [13] A1</p> <p>[51] Int.Cl. B01F 15/00 (2006.01) B01F 7/16 (2006.01) B01F 13/08 (2006.01) B65D 1/10 (2006.01) B65D 1/40 (2006.01) [25] EN [54] MAGNETIC STIR BAR CATCHING MEANS [54] MOYEN DE SAISIE DE BARRE D'AGITATION MAGNETIQUE [72] RAI, CHARN, CA [71] BEVSTIR INNOVATIONS INC., CA [85] 2019-10-18 [86] 2018-04-20 (PCT/CA2018/050475) [87] (WO2018/191825) [30] CA (2,964,794) 2017-04-21</p>	<p style="text-align: right;">[21] 3,060,834 [13] A1</p> <p>[51] Int.Cl. A61M 5/165 (2006.01) A61M 5/31 (2006.01) [25] EN [54] FILTER FOR REDUCING PHENOLIC COMPOUNDS FROM INSULIN AND RELATED INFUSION AND INJECTION DEVICES [54] FILTRE POUR REDUIRE DES COMPOSES PHENOLIQUES A PARTIR D'INSULINE ET DISPOSITIFS DE PERfusion ET D'INJECTION ASSOCIES [72] NOVAK, MATTHEW, US [72] HARVEY, ALFRED J., US [72] SHERMAN, DOUGLAS B., US [72] RADFORD, ROBERT J., US [72] ALARCON, JAVIER, US [72] PETTIS, RONALD J., US [72] RILEY, KELLY MAGEE, US [71] BECTON, DICKINSON AND COMPANY, US [85] 2019-10-17 [86] 2018-05-01 (PCT/US2018/030400) [87] (WO2018/204327) [30] US (62/492,443) 2017-05-01 [30] US (62/636,405) 2018-02-28</p>	<p style="text-align: right;">[21] 3,060,838 [13] A1</p> <p>[51] Int.Cl. G05D 1/02 (2006.01) [25] EN [54] FREESTEERING SYSTEM FOR MOBILE MACHINES [54] SYSTEME DE CONDUITE LIBRE POUR MACHINES MOBILES [72] SCHÄDING, CHAD, US [72] FARR, THOMAS C., US [71] GOMACO CORPORATION, US [85] 2019-10-17 [86] 2018-05-02 (PCT/US2018/030710) [87] (WO2018/204526) [30] US (62/500,215) 2017-05-02 [30] US (15/969,451) 2018-05-02</p>
<p style="text-align: right;">[21] 3,060,832 [13] A1</p> <p>[51] Int.Cl. A61G 7/14 (2006.01) A61G 7/10 (2006.01) [25] EN [54] RECEIVING MODULE FOR CEILING PATIENT LIFT SYSTEM [54] MODULE DE RECEPTION POUR SYSTEME DE LEVAGE DE PATIENT FIXE AU PLAFOND [72] PATRY, JOCELYN, CA [72] CUSTEAU-BOISCLAIR, OLIVIER, CA [72] FAUCHER, MARTIN, CA [72] LEDUC, MICHEL, CA [72] LAPOINTE, FRANCIS, CA [71] ARJOHUNTLEIGH MAGOG INC., CA [85] 2019-10-18 [86] 2018-04-24 (PCT/CA2018/050482) [87] (WO2018/201232) [30] US (62/492,819) 2017-05-01</p>	<p style="text-align: right;">[21] 3,060,843 [13] A1</p> <p>[51] Int.Cl. G01V 9/00 (2006.01) G01N 33/24 (2006.01) [25] EN [54] METHODS FOR USING ISOTOPIC SIGNATURES TO DETERMINE CHARACTERISTICS OF HYDROCARBON SOURCES [54] PROCEDES D'UTILISATION DE SIGNATURES ISOTOPIQUES POUR DETERMINER DES CARACTERISTIQUES DE SOURCES D'HYDROCARBURES [72] PETERSON, BRIAN, US [72] LAWSON, MICHAEL, US [72] FORMOLO, MICHAEL J., US [72] HIGGINS, MEYTAL B., US [71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US [85] 2019-10-17 [86] 2018-05-04 (PCT/US2018/031167) [87] (WO2018/208611) [30] US (62/503,113) 2017-05-08</p>	

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[21] 3,060,844
[13] A1

- [51] Int.Cl. G06F 3/048 (2013.01)
 - [25] EN
 - [54] **USER-INTERFACE ASSEMBLY AND METHOD FOR INTEGRATING TOUCH ASSEMBLY INTO USER-INTERFACE ASSEMBLY**
 - [54] **ENSEMBLE INTERFACE UTILISATEUR ET PROCEDE POUR INTEGRER UN ENSEMBLE TACTILE DANS UN ENSEMBLE INTERFACE UTILISATEUR**
 - [72] ZHANG, HAO, CN
 - [71] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
 - [71] FRESENIUS MEDICAL CARE R&D (SHANGHAI) CO., LTD., CN
 - [85] 2019-10-18
 - [86] 2017-04-24 (PCT/CN2017/081596)
 - [87] (WO2018/195684)
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[13] A1

- [51] Int.Cl. A61M 27/00 (2006.01) A61F 2/04 (2013.01) A61F 2/82 (2013.01)
- [25] EN
- [54] **IMPLANTABLE DEVICES AND METHODS TO TREAT BENIGN PROSTATE HYPERPLASIA (BPH) AND ASSOCIATED LOWER URINARY TRACT SYMPTOMS (LUTS)**
- [54] **DISPOSITIFS IMPLANTABLES ET PROCEDES DE TRAITEMENT D'UNE HYPERPLASIE BENIGNE DE LA PROSTATE (HPB) ET DES SYMPTOMES DES VOIES URINAIRES INFÉRIEURES (LUTS) ASSOCIES**
- [72] JANG, YUE-TEH, US
- [72] HUANG, MARK, US
- [72] CHANG, KENNETH CHIH-PING, US
- [72] JEN, JIMMY, US
- [72] HSU, THOMAS, US
- [72] HSU, SENZAN, US
- [72] VENKATESWARA-RAO, KONDAPAVULUR T., US
- [71] PRODEON, INC., CN
- [85] 2019-10-17
- [86] 2018-05-04 (PCT/US2018/031250)
- [87] (WO2018/204883)
- [30] US (62/502,056) 2017-05-05

[21] 3,060,850
[13] A1

- [51] Int.Cl. F16J 15/3232 (2016.01) F16J 15/3252 (2016.01) F16K 1/20 (2006.01)
 - [25] EN
 - [54] **SEAL, ASSEMBLY, AND METHODS OF USING THE SAME**
 - [54] **JOINT D'ETANCHEITE, ENSEMBLE ET PROCEDES D'UTILISATION ASSOCIES**
 - [72] KUSTERMANS, JAN, BE
 - [72] DUBOIS, HERMAN M., BE
 - [72] MAES, ROEL, BE
 - [72] STEVENHEYDENS, GINO L., BE
 - [72] VAN GILS, KRIS, BE
 - [72] TITTONEL, GABRIELE, BE
 - [72] VANDENHEUVEL, WIM, BE
 - [71] SAINT-GOBAIN PERFORMANCE PLASTICS CORPORATION, US
 - [85] 2019-10-17
 - [86] 2018-05-07 (PCT/US2018/031346)
 - [87] (WO2018/208654)
 - [30] US (62/503,611) 2017-05-09
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[21] 3,060,853
[13] A1

- [51] Int.Cl. B66D 3/04 (2006.01)
 - [25] EN
 - [54] **SYSTEMS AND METHODS FOR MOVING A COMPONENT OF AN X-RAY MACHINE**
 - [54] **SYSTEMES ET PROCEDES POUR DEPLACER UN COMPOSANT D'UNE MACHINE A RAYONS X**
 - [72] JIANG, JINPENG, CN
 - [71] SHENZHEN UNITED IMAGING HEALTHCARE CO., LTD., CN
 - [85] 2019-10-18
 - [86] 2017-12-31 (PCT/CN2017/120420)
 - [87] (WO2018/192266)
 - [30] CN (201710263261.6) 2017-04-20
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[21] 3,060,856
[13] A1

- [51] Int.Cl. A61K 39/395 (2006.01) A61K 47/00 (2006.01) C07K 16/28 (2006.01)
 - [25] EN
 - [54] **PHARMACEUTICAL COMPOSITION COMPRISING BISPECIFIC ANTIBODY CONSTRUCTS FOR IMPROVED STORAGE AND ADMINISTRATION**
 - [54] **COMPOSITION PHARMACEUTIQUE COMPRENANT DES CONSTRUCTIONS D'ANTICORPS BISPECIFIQUES POUR UN STOCKAGE ET UNE ADMINISTRATION AMELIOREES**
 - [72] ABEL, JEFF, US
 - [72] CUI, LINGWEN, US
 - [72] GOSWAMI, DEVRISHI, US
 - [72] HUH, JOON, US
 - [72] JAGANNATHAN, BHARADWAJ, US
 - [72] KANAPURAM, SEKHAR, US
 - [72] MCAULEY, ARNOLD, US
 - [72] SCHNEIDER, MICHAEL, US
 - [72] SETHURAMAN, ANANTHAKRISHNAN G., US
 - [72] TREUHEIT, MICHAEL, US
 - [72] ZHANG, JUN, US
 - [71] AMGEN INC., US
 - [85] 2019-10-17
 - [86] 2018-05-07 (PCT/US2018/031347)
 - [87] (WO2018/204907)
 - [30] US (62/502,578) 2017-05-05
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[21] 3,060,858
[13] A1

- [51] Int.Cl. F27D 3/02 (2006.01)
- [25] EN
- [54] **SLAB REHEAT FURNACE SKID BUTTON AIMING TO REDUCE GOUGE OF STAINLESS STEEL SLABS**
- [54] **BOUTON DE PATIN DE FOUR DE RECHAUFFAGE DE BRAMES VISANT A REDUIRE L'ENTAILLAGE DE BRAMES D'ACIER INOXYDABLES**
- [72] HIGA, KEN MORALES, US
- [72] HU, JUN, US
- [72] WU, PAUL CHAO-PENG, US
- [72] RAGHAVAN, KAVESARY, US
- [71] AK STEEL PROPERTIES, INC., US
- [85] 2019-10-17
- [86] 2018-05-09 (PCT/US2018/031733)
- [87] (WO2018/208878)
- [30] US (62/503,689) 2017-05-09

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<p>[21] 3,060,864 [13] A1</p> <p>[51] Int.Cl. B65D 5/72 (2006.01) B65D 83/00 (2006.01)</p> <p>[25] EN</p> <p>[54] A PACKAGE FOR DISPLAYING ITEMS</p> <p>[54] EMBALLAGE PERMETTANT DE PRESENTER DES ARTICLES</p> <p>[72] BORTOS, DANIEL, DE</p> <p>[72] KOWALEWSKI, ALAIN, DE</p> <p>[71] INTERCONTINENTAL GREAT BRANDS LLC, US</p> <p>[85] 2019-10-17</p> <p>[86] 2018-05-16 (PCT/US2018/032906)</p> <p>[87] (WO2018/213403)</p> <p>[30] US (62/506,825) 2017-05-16</p>
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<p>[21] 3,060,880 [13] A1</p> <p>[51] Int.Cl. E02F 3/88 (2006.01) B60P 1/16 (2006.01) E01H 1/08 (2006.01) E02F 7/06 (2006.01)</p> <p>[25] EN</p> <p>[54] SUCTION EXCAVATOR HAVING A SWIVELABLE FILTER UNIT</p> <p>[54] CAMION ASPIRATEUR PRESENTANT UNE UNITE FILTRANTE POUVANT PIVOTER</p> <p>[72] RENGER, KARL-HEINZ, DE</p> <p>[72] RENGER, MARINA, DE</p> <p>[72] GRABER, JENS, DE</p> <p>[71] RSP GMBH, DE</p> <p>[85] 2019-10-18</p> <p>[86] 2018-04-05 (PCT/EP2018/058755)</p> <p>[87] (WO2018/197178)</p> <p>[30] DE (10 2017 108 731.1) 2017-04-24</p>
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[21] **3,060,892**

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[51] Int.Cl. C07H 17/00 (2006.01) A61K
31/7052 (2006.01) A61P 35/00
(2006.01)

[25] EN

[54] AZITHROMYCIN DERIVATIVES
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[54] DERIVES D'AZITHROMYCINE
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[72] SPAREY, TIM, GB

[72] RATCLIFFE, ANDREW, GB

[72] STEVENSON, BRETT, GB

[72] LAGASSE, FRANZ, GB

[72] COCHRANE, EDWARD, GB

[71] RISING TIDE FOUNDATION, CH

[85] 2019-10-18

[86] 2018-04-20 (PCT/EP2018/060245)

[87] (WO2018/193125)

[30] GB (1706309.0) 2017-04-20

[30] GB (1721752.2) 2017-12-22

[21] **3,060,897**

[13] A1

[51] Int.Cl. F28D 7/02 (2006.01) F28F
13/08 (2006.01) F28F 27/02 (2006.01)

[25] EN

[54] HEAT EXCHANGER AND
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[54] ECHANGEUR DE CHALEUR ET
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FONCTIONNEMENT D'UN
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[72] DEICHSEL, FLORIAN, DE

[72] SPREEMAN, JURGEN, DE

[72] STEINBAUER, MANFRED, DE

[72] BRAUN, KONRAD, DE

[72] KERBER, CHRISTIANE, DE

[72] ROSIEL, MILLAN-ELIAS, DE

[72] TATSCHKE, RALF, DE

[71] LINDE AG, DE

[85] 2019-10-18

[86] 2018-04-24 (PCT/EP2018/060495)

[87] (WO2018/197507)

[30] GB (1706533.5) 2017-04-25

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THE ESAB GROUP, INC.	2,872,791	VIEILLARD, SEBASTIEN	YOKOYAMA, MIZUKA	2,962,724
THE RAYMOND CORPORATION	2,810,874	VIGUIE, REGIS	YOSHIMITSU, TETSUO	2,944,855
THE UNIVERSITY OF QUEENSLAND	2,825,583	VINCENT, GRAHAM RICHARD	YOU, YAGE	2,984,197
THE VOLLRATH COMPANY, L.L.C.	2,983,303	VINE, SEANNA	YOUNGER, RAE	2,978,388
THERIMUNEX PHARMACEUTICALS, INC.	2,727,973	VITTENET, JULLIAN	YU, JIANGBO	2,814,790
TIBBETTS, NICOLE JESSICA	2,942,787	VITTORIAS, IAKOVOS	ZHANG, TAO	2,988,448
TLC BIOPHARMACEUTICALS, INC.	2,850,955	WADA, TAMAKI	ZHANG, XUANJUN	2,984,197
TOMITA, MITSUAKI	2,998,165	WAFFNER, JURGEN	ZHANG, YAQUN	2,984,197
TOMLIN, ANDREW J.	2,923,444	WAGENBAUGH, FRANK	ZHENG, GUODONG	2,777,818
TOMLINSON, HAROLD WOODRUFF, JR.	2,793,457	WALTON, ZACHARY W.	ZHENG, MINGYUAN	2,988,448
TOON, JONATHAN E.	2,944,486	WANG, AIQIN	ZHOU, ZHE	2,828,545
TORRES, SERGIO	2,793,457	WANG, HAOSU		
TOSHIBA INDUSTRIAL PRODUCTS AND SYSTEMS CORPORATION	2,944,855	WANG, KUNLIN		
TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION	2,944,855	WANG, RUI		
TOYOTA JIDOSHA KABUSHIKI KAISHA	2,993,843	WANG, WALTER		
		WANG, XIAODONG		
		WANG, ZHE		
		WANG, ZHENPENG		
		WARNER, BRIAN M.		
		WARREN INDUSTRIES LTD.		
		WAYMO LLC		
		WEBER, JOSEPH P.		
		WEISS, WERNER		
		WENDEL, ANDREAS		
		WESTERN DIGITAL TECHNOLOGIES, INC.		
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ABARCA, ENRIQUE	3,042,196	BRIDEGAN, JARED	3,040,568	DE CARIES, JENNILEE	3,003,989
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ABL IP HOLDING LLC	3,042,165	BUZEA, RADU	3,037,320	CORPORATION	3,042,348
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AHMED, ARSLAN	3,003,857	CANADIAN SOLAR SOLUTIONS INC.	3,041,693	DING, ZENGQIAN	3,041,693
AKBARI, MOHAMMAD M. N. A.	3,041,967	CANADIAN SOLAR SOLUTIONS INC.	3,041,697	DING, ZENGQIAN	3,041,697
AKLILU, NOAH	3,004,111	CANADIAN SOLAR SOLUTIONS INC.	3,041,698	DIPOL PLASTIC TECHNOLOGY SP. Z O.O.	3,041,698
ALSTOM TRANSPORT TECHNOLOGIES	3,003,825	CANADIAN SOLAR SOLUTIONS INC.	3,041,698	DONGGUAN SHICHANG METALS FACTORY LTD.	3,026,939
AMISERRU, S.L.	3,041,706	CAPITAL ONE SERVICES, LLC	3,042,225	DOWNS, STEVEN	3,042,415
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ARAMLI, MARK D.	3,042,172	CARLINS, ZACHARY	3,042,333	DUGAN, CRAIG	3,004,135
ARKIDAN SYSTEMS INC.	3,040,756	CARLSON, BRETT S.	3,042,165	DUGAS, MARC-ANDRE	3,004,034
ARRIS ENTERPRISES LLC	3,003,825	CASTEX, JIMMY	3,040,294	DUPRAT, PATRICK	3,004,071
ARRIS ENTERPRISES LLC	3,041,692	CENOVUS ENERGY INC.	3,037,320	EBRAHIMI, BEHROUZ	3,041,706
ASHWORTH, CHRISTOPHER KEN	3,042,075	CHAI, WEN JIE	3,042,196	ELLIOTT, CHRISTOPHER J.	3,037,314
AVON POLYMER PRODUCTS LIMITED	3,042,362	CHAN, WAI TONG	3,042,801	ENGINUITY POWER SYSTEMS	3,037,320
AYOUB, SAMEH	3,042,124	CHANG, YO-CHEN VICTOR	3,042,762	ENGLAND, STEVEN	3,023,875
BAYER CROPSCIENCE LP	3,041,144	CHEN, JIE	3,042,310	EQUILOTTERY LLC	3,004,561
BEAVER, TIM	3,042,409	CHENG, JEN-PO	3,042,762	EQUILOTTERY LLC	3,003,992
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BELLIN, FEDERICO	3,042,362	COMBS, CHRISTOPHER	3,042,189	FERRANTELLI, JOSEPH RALPH	3,042,195
BENUM, JAMES MICHAEL	3,041,723	COMCAST CABLE COMMUNICATIONS, LLC	3,042,622	FLIEG, NICHOLAS	3,042,819
BERMUDEZ-CISNEROS, MARIA	3,042,124	CONCEPTS TO SOLUTIONS INC.	3,042,455	FOURNIER, MICHAEL	3,042,833
BEUTLER, MICHAEL PAUL	3,041,144	COOK, PATRICK LEE	3,042,362	FRANCOTYP-POSTALIA	3,003,857
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BLACKBERRY LIMITED	3,042,871	COTE, SAMUEL	3,042,670	GABUR, ANDREI-MIHAI	3,042,204
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BOBERG, DOUGLAS, JR.	3,042,057	COVIDIEN LP	3,041,257	GALL, NICHOLAS JAMES	3,042,222
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BOL, KIERAN GERRIT	3,040,294	CSI SOLAR POWER GROUP CO., LTD.	3,041,693	GARLAND, CELINE	3,040,294
BOMBARDIER TRANSPORTATION GMBH	3,041,723	CSI SOLAR POWER GROUP CO., LTD.	3,041,697	GARRISON, SCOTT	3,042,650
BORDIN, DENNIS	3,053,303	CSI SOLAR POWER GROUP CO., LTD.	3,041,697	GARRISON, SCOTT	3,040,568
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		CURRY, MATTHEW	3,042,189	GARRISON, SCOTT	3,041,499
		CZARNIK, PAWEŁ	3,026,939	GAVIC, COLLIN JACQUES GENERAL ELECTRIC COMPANY	3,042,420
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		DALCU, DAVID	3,040,568		3,039,871

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GOULET, STEPHANE	3,053,303	LINDQUIST, BENJAMIN	3,042,541	PALM, ERICH	3,042,166
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GUAY, PHILIPPE	3,004,071	LIU, ZHENSHUO BOBBY	3,004,034	PALOMA CO., LTD.	3,041,589
GUPTA, ASHISH	3,004,427	LORENZEN, MATTHIAS	3,041,884	PARION SCIENCES, INC.	3,003,780
GURNAGUL, NORAYR	3,042,650	LORENZEN, MATTHIAS	3,042,204	PATEL, ILESH V.	3,042,362
GUZMAN, CRISTINA	3,003,857	LORKOWSKI, AARON	3,042,218	PAUL, BAPTISTE	3,041,691
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HAMILTON SUNDSTRAND CORPORATION	3,042,172	LUTZ HOLDING GMBH	3,042,230	PELLEGRIN, ROY	3,004,034
HANKS, NICOLAS J.	3,042,192	LUTZ, HEINZ	3,042,230	PENZO, MARTA	3,040,294
HANLEY, SHAUNE JOHN	3,042,650	MAGNETIC FIELD EFFECTS, LLC	3,037,014	PEREZ, WILLIE	3,042,218
HARGROVE, WILLIAM	3,004,034	MAIR, ROLAND	3,042,166	PEREZ-ROVIRA, ADRIA	3,039,945
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VERPACKUNGSMASCHI NEN GMBH	3,040,023	MANKE, SCOTT GERALD	3,024,234	PHOENIX CANADA SOLUTIONS INC	3,004,118
HASLAM, NEIL	3,042,348	MANSIERE, JEFFREY	3,004,115	POLARIS INDUSTRIES INC.	3,042,420
HAYES, CALVIN C.	3,042,112	MARCZYK, STANISLAW	3,041,247	POLARIS INDUSTRIES INC.	3,042,817
HAYES, NORRIS	3,042,409	MARCZYK, STANISLAW	3,041,249	POLEWICZ, HIERONIM	3,004,115
HENDERKOTT, JOSEPH PETER		MARINO, RYAN J.	3,041,257	PORTMAN, MICHAEL A.	3,042,126
HENSCH, EDWARD ALLEN	3,040,568	MARQUARDT, CRAIG EUGENE	3,042,310	POSTURECO, INC.	3,042,819
HIGGINS, DANNY	3,053,303	MARTINECK, JEFFREY D., SR.	3,042,206	POWELL, GREGORY	3,023,875
HOHENSEE, PAUL	3,042,409	MATHEWS, THOMAS	3,042,409	PRABHU, ANIL	3,042,341
HOLBROOK, JAMES JONATHAN		MAXLITE, INC.	3,012,128	PRECISION-HAYES INTERNATIONAL INC.	3,042,409
HRITZ, MICHAEL ALAN	3,042,202	MCDONALD, LANDON	3,004,024	PRIEBANIC, RUSSELL	3,041,247
HUNTER, NICHOLAS JOHN	3,042,420	MCDONALD, LANDON	3,042,572	PRIEBANIC, RUSSELL	3,041,249
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IGLESIAS BALLESTER, MIGUEL ANGEL		MESSADDEQ, YOUNES	3,004,071	TECHNOLOGIES LTD.	3,004,024
INVENTURE HOLDINGS, LLC	3,042,104	METEL, OMER	3,042,222	PRO TORQUE CONNECTION	
IPPOLITO, MASSIMO	3,041,261	MILED, AMINE	3,004,071	TECHNOLOGIES LTD.	3,042,572
IVANOV, GEORGI	3,040,294	MILFORD, MATTHEW A.	3,041,692	PROCO PRODUCTS, INC.	3,042,112
JEWITT, DENNIS G.	3,004,105	MILLER, NORBERT	3,042,075	PROGRESS PROFILES SPA	3,041,516
JOHNSON, CLAYTON	3,042,225	MILLER, TROY T.	3,042,269	PRUNEAU, MARTIAL	3,004,017
JOHNSON, JOHN R.	3,042,165	MITEL NETWORKS CORPORATION	3,041,723	PRO TORQUE CONNECTION	
JOHNSON, MICHAEL R.	3,003,780	MOCANU, CIPRIAN	3,004,071	TECHNOLOGIES LTD.	
JOKELA, PEKKA	3,042,131	MOD PANEL TECHNOLOGIES	3,042,118	RAGGIO, GLEN	3,042,362
JOKELA, PEKKA	3,042,134	LTD	3,040,294	RAGHAVAN, RAMESH	3,012,128
KANAZAWA, KOKI	3,041,585	MOGA, CORINA	3,004,013	RAGHAVAN, RAMYA	3,040,294
KANAZAWA, KOKI	3,041,589	MOHANASUNDARAM,	3,039,867	RAIMONDI S.P.A.	3,040,997
KARGENIAN, JOHN H.	3,042,333	SURESH KUMAR PREMA	3,041,257	RANTA, LIISA	3,042,131
KELO, MICHELLE	3,042,833	MONTCALM, MICHAEL	3,042,118	RANTA, LIISA	3,042,134
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KHAMIS, WILLIAM	3,042,190	MUHL, WOLFGANG	3,041,884	REISINGER, TOBIAS	3,042,204
KIELLAND, PETER JOHANN	3,014,635	MURPHY, GLENN	3,041,718	RESOLUTE FP CANADA, INC.	3,042,650
KIM, SUNGHOO S. K.	3,004,113	NASLUND, BRIAN BRENT	3,034,728	RICCOBENE DESIGNS LLC	3,045,204
KING, ALEXANDER D.	3,037,314	NASLUND, BRIAN BRENT	3,042,749	RICCOBENE, DOMINIC T.	3,045,204
KLEIN TOOLS, INC.	3,042,333	NEFF, INGMAR	3,040,023	RICCOBENE, THOMAS S.	3,045,204
KNIGHT, JESSIE A.	3,024,234	NERO, KENNETH M.	3,037,014	RING, THOMAS	3,042,455
KOCH, MATTHIAS	3,039,876	NEUTRIK AG	3,039,876	RIO BRANDS, LLC	3,041,482
KRUMHOLZ, WOLF-ALEXANDER		NICOLAI, KAI	3,042,204	RIO BRANDS, LLC	3,041,487
LANG, KLAUS	3,038,934	OATEY CO.	3,042,218	ROBISON, CLARK E.	3,041,499
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ATA, SAADAT	3,060,366	BISHOP, MARK DANIEL	3,060,589	BURLAGE, RUBI	3,060,581
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