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THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

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Commissioner of Patents

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Commissaire aux brevets

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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
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[54] - Title of Invention
[60] - Related by Supplementary Disclosure
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[71] - Name(s) of Applicant(s)
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[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'indentification 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), sise 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

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:	N/A
a) for each request	$10
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 :	S.O.
a) pour chaque demande	10 $
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 méga-octets qui excède 7 méga-octets, 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).

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. 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

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

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

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).

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.

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 57.2*a*)) **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).

(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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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

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Date de modification : 17 juin 2019

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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.

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. 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

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 retournés à l'expéditeur.

Le formulaire de paiements des frais devrait toujours être

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, à

except statutory holiday

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

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

- Innovation, Science and Economic Development Canada
  Library Square
  300 West Georgia Street, Suite 2000
  Vancouver BC V6B 6E1
  Tel.: 604-666-5000

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

l'exception des jours fériés

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

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

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

  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

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.

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. 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

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,

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).

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 ou l'OPIC l'a reçue (Heure de l'Est).

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.

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 inconvénients reliés à la mauvaise qualité de la transmission, au risque que la transmission soit incomplète et à la nature volumineuse de ces documents.

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

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

Patents

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

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 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.

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.

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.

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.

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.

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.

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

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

accessing the following pages:

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

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

:

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

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

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

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.

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.

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

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

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

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

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

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

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

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.

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.

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.

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. 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 "Stellent 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

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 « Stellent 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.

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.

4. General Information

General information may be obtained by communicating with CIPO's Client Service Centre.

4. Renseignements généraux

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

5. Time Period Extensions

- Time period extensions under the Patent, Trademarks and Industrial Design Acts
- Time period extensions under the Copyright and Integrated Circuit Topography Acts
- Time period extensions under the Patent Cooperation Treaty
- Time period extensions under the Madrid Protocol and the Hague Agreement

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

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;

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 (1er 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 (1er juillet)*;
- Le premier lundi du mois d'août***;
- Fête du travail : Premier lundi du mois de septembre;

- 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 considéré avoir été reçus à cette date.

La prorogation de délai concernant les jours prescrits ou règlementaires 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 règlementaires 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

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.

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.

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.

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.

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

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

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.

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. 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

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

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

- 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 May 12, 2020 contains applications open to public inspection from April 26, 2020 to May 2, 2020.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 12 mai 2020 contient les demandes disponibles au public pour consultation pour la période du 26 avril 2020 au 2 mai 2020.

16. Erratum

All information respecting patent application number 3,075,960 referred to under the section *PCT Applications Entering the National Phase* contained in the April 7, 2020 issue of the *Canadian Patent Office Record* was erroneously published and should be disregarded.

16. Erratum

Toutes les informations relatives à la demande de brevet 3,075,960 dans la liste *des Demandes PCT entrant en phase nationale* contenues dans le numéro 7 avril 2020 de la *Gazette du Bureau des brevets* ont été publiées par erreur et doivent être ignorées.

Canadian Patents Issued

May 12, 2020

Brevets canadiens délivrés

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[54] **PROCEDE DE DETERMINATION DE LA PROBABILITE D'UNE REPONSE THERAPEUTIQUE DANS LA CHIMIOTHERAPIE ANTICANCEREUSE AVEC UN GLYCOSIDE CARDIAQUE**
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[54] **AGRAFEUSE CIRCULAIRE AVEC DIAMETRE DE LUMIERE ACCRU**
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[54] **DETECTION ET QUANTIFICATION D'ACIDE NUCLEIQUES PAR MARQUAGE POST-HYBRIDATION ET CODAGE UNIVERSEL**
[72] PREGIBON, DANIEL C., US
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[54] **ENCEINTE DE TRANSFORMATEUR POURVUE D'UNE BARRIERE DE SEUIL RETRACTABLE**
[72] WARD, THOMAS ALAN, US
[72] ZWEIFEL, VIRGIL BRYAN, US
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[54] **COMPOSITIONS ET PROCEDES D'INHIBITION DE LA VOIE JAK**
[72] LI, HUI, US
[72] HECKRODT, THILO J., US
[72] CHEN, YAN, US
[72] MCMURTRIE, DARREN JOHN, US
[72] TAYLOR, VANESSA, US
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[54] **METHODS AND COMPOSITIONS FOR MODIFICATION OF AN HLA LOCUS**
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[72] COOPER, LAURENCE J.N., US
[72] GREGORY, PHILIP D., US
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[54] **ANTICORPS ANTI-CD19 PRESENTANT DES FONCTIONS ADCC ET CDC, ET UN PROFIL DE GLYCOSYLATION AMELIORE**
[72] VERMOT-DESROCHES, CLAUDINE, FR
[72] VUILLERMOZ, BORIS SEBASTIEN, FR
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[54] **APPAREILS, SYSTEMES ET PROCEDES DE NEUROMODULATION RENALE PAR CRYOABLATION**
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[72] BUCKLEY, NAOMI, IE
[72] CLARK, BENJAMIN C., US
[72] DONOVAN, DANNY, IE
[72] GELFAND, MARK, US
[72] HUGHES, LUKE, IE
[72] KELLY, BRIAN, IE
[72] LEUNG, MARK S., US
[72] MCMULLIN, GWENDA, IE
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[72] NASH, STEPHEN, IE
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[72] ASRAR, JAWED, US
[72] LESTER, URANCHIMEG, US
[73] JOHNS MANVILLE,
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[54] **SYSTEMES ET PROCEDES D'ADMINISTRATION D'UN AEROSOL AVEC REGULATION DU FLUX D'AIR**
[72] RUBIN, DARREN, US
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[54] **ENSEMBLE DE ROULEMENT**
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[54] **CONNECTEUR POUR AUBAGE DIRECTEUR D'ENTREE ORIENTABLE ET PROCEDE CONNEXE**
[72] ELEFTHERIOU, ANDREAS, CA
[72] MENHEERE, DAVID HAROLD, CA
[72] MARSHALL, ANDREW, CA
[73] PRATT & WHITNEY CANADA CORP.,
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[72] MAJLESSI, MEHRDAD, US
[72] YAMAGATA, SUSAN, US
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[72] BAXTER, CHRISTIAN M., US
[72] LEEDS, III, RICHARD L., US
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[72] SCHREIDER, LUDOVIC, FR
[72] DEPEYRE, SERGE, FR
[72] BELLOEIL, VICTORIEN, FR
[72] DATASHVILI, LEVI, DE
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[54] **TAPIS FAIT DE FIBRES DE VERRE OU DE FIBRES DE POLYOLEFINE UTILISE COMME SEPARATEUR DANS UNE BATTERIE PLOMB-ACIDE**
[72] NANDI, SOUVIK, US
[72] GUO, ZHIHUA, US
[72] ASRAR, JAWED, US
[72] DIETZ, ALBERT G., III, US
[73] JOHNS MANVILLE,
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[54] **IDENTIFICATION D'ANTICORPS SPECIFIQUES DES LYSSAVIRUS ET LEURS PROCEDES D'UTILISATION**
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[72] SIIRA, JUHANI, CA
[73] BSM TECHNOLOGIES LTD.,
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[54] **PROCEDE ET APPAREIL DE PLACEMENT D'INSERTS A TRANSFERT UNIQUE**
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[73] CURT G. JOA, INC.,
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[54] **ENSEMBLE POIGNEE POUR OUTIL ACTIONNE A LA MAIN**
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[73] HUBBELL INCORPORATED,
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[72] LEWIS, DAVID L., US
[72] WAKEFIELD, DARREN H., US
[72] KITAS, ERIC A., CH
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[72] WOLFF, JON A., US
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[72] BLOKHIN, ANDREI V., US
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[54] **COMPOSITION POUR LE TRAITEMENT D'ULCERES PERIPHERIQUES DE DIFFERENTES ORIGINES**
[72] BOMBARDELLI, EZIO, IT
[72] MORAZZONI, PAOLO, IT
[72] RONCHI, MASSIMO, IT
[73] INDENA S.P.A.,
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[54] **ANTICORPS CONTRE NOTUM PECTINACETYLESTERASE**
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[72] FENG, XIAO, US
[72] HONG, SEOKJOO, US
[72] LANDES, GREGORY, US
[72] LIU, JEFF, US
[72] POTTER, DAVID GEORGE, US
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[73] LEXICON PHARMACEUTICALS, INC.,
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[54] **COMPOSITIONS DE LIANT SANS FORMALDEHYDE AVEC PRODUITS DE REACTION AVEC LE FORMALDEHYDE-UREE**
[72] SHOOSHTARI, KIARASH ALAVI, US
[73] JOHNS MANVILLE,
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[54] **MOTEUR A COMBUSTION INTERNE LINEAIRE A HAUT RENDEMENT**
[72] SIMPSON, ADAM, US
[72] MILLER, SHANNON, US
[72] SVRCEK, MARK, US
[73] MAINSPRING ENERGY, INC.,
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[25] FR
[54] **CONTROL PROCESS AND REGULATION SYSTEM FOR SUPPLYING COMPRESSED AIR TO A COMPRESSED AIR NETWORK, SPECIFICALLY IN AN AIRCRAFT**
[54] **PROCEDE ET SYSTEME DE REGULATION DE FOURNITURE D'AIR COMPRIME A UN RESEAU PNEUMATIQUE, EN PARTICULIER D'AERONEF**
[72] SILET, FABIEN, FR
[72] CHEVALIER, STEPHANE, FR
[72] RIDEAU, JEAN-FRANCOIS, FR
[73] MICROTURBO,
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[54] **CONNECTIVITE VIRTUELLE DANS ENVIRONNEMENT DE SERVICES EN NUAGE**
[72] PAREDES, SALVADOR, US
[72] EL-AAWAR, NASSER NABIH, US
[72] RATTERREE, GARY RANDALL, US
[72] WILLIAMSON, TODD, US
[72] WAGNER, TED, US
[73] LEVEL 3 COMMUNICATIONS, LLC,
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[54] **POMPE HACHEUSE A BUSES MELANGEUSES POUR PUITS D'ASPIRATION D'EAUX USEES**
[72] DORSCH, GLENN R., US
[73] VAUGHAN COMPANY, INC.,
[86] (2820938)
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[72] GERVAIS-COUPLET, VERONIQUE, FR
[72] FERAILLE, MATHIEU, FR
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[72] BOSSERHOFF, ANJA, DE
[72] WILD, PETER, DE
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[72] VORONKOV, NIKITA, US
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[72] BECKER, MICHAEL C., US
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[72] GRANDI KARAM, SAMANTHA, NL
[72] MESTAYER, JEFFERY JOSEPH, US
[72] UGUETO, GUSTAVO ANTONIO, US
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[73] SONY CORPORATION,
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[54] **ELECTROSURGICAL APPARATUS WITH REAL-TIME RF TISSUE ENERGY CONTROL**
[54] **APPAREIL ELECTROCHIRURGICAL DOTE D'UN DISPOSITIF DE COMMANDE EN TEMPS REEL DE L'ENERGIE RF DELIVREE AUX TISSUS**
[72] ORSZULAK, JAMES H., US
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[54] **CARRIER-LINKED PRODRUGS HAVING REVERSIBLE CARBOXYLIC ESTER LINKAGES**
[54] **PROMEDICAMENTS RELIES A DES SUPPORTS COMPRENANT DES LIAISONS ESTER CARBOXYLIQUE REVERSIBLES**
[72] VETTER, DIRK, DE
[72] RAU, HARALD, DE
[73] ASCENDIS PHARMA A/S,
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[54] **TERMINATOR SEQUENCE FOR GENE EXPRESSION IN PLANTS**
[54] **SEQUENCE TERMINATRICE UTILISABLE EN VUE DE LA REGULATION DE L'EXPRESSION GENIQUE DANS DES PLANTES**
[72] ABBITT, SHANE E., US
[72] JUNG, RUDOLF, US
[73] PIONEER HI-BRED INTERNATIONAL, INC.,
[85] 2014-01-31
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[54] **UNITE INTERIEURE DE CLIMATISEUR**
[72] ZHANG, HUI, CN
[72] CHEN, SHAOLIN, CN
[72] WANG, XIANLIN, CN
[72] MENG, ZHI, CN
[73] GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI,
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[25] EN
[54] **COMPOSITION, USES AND PREPARATION PROCESS THEREOF, AS WELL AS METHOD TO ENSURE HIGH CORN CROP YIELD**
[54] **COMPOSITION, UTILISATIONS ET PROCEDE DE PREPARATION DE CELLE-CI, ET PROCEDE POUR ASSURER UN RENDEMENT ELEVE DES RECOLTES DE MAIS**
[72] CAMARA WERLANG, RICARDO, BR
[73] FMC QUIMICA DO BRASIL LTDA.,
[85] 2014-02-25
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[54] **ISOBUTANOL COMPOSITIONS FOR FUEL BLENDING AND METHODS FOR THE PRODUCTION THEREOF**
[54] **COMPOSITIONS D'ALCOOL ISOBUTYLIQUE POUR MELANGE DE COMBUSTIBLE ET LEURS PROCEDES DE PRODUCTION**
[72] BAUSTIAN, JAMES J., US
[72] WOLF, LESLIE R., US
[73] BUTAMAX ADVANCED BIOFUELS LLC,
[85] 2014-02-26
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[54] **DEPLOYABLE MAST FEATURING SPONTANEOUS AUTONOMOUS DEPLOYMENT AND SATELLITE INCLUDING AT LEAST ONE SUCH MAST**
[54] **MAT DEPLOYABLE A DEPLOIEMENT SPONTANE AUTONOME ET SATELLITE COMPORTANT AU MOINS UN TEL MAT**
[72] GUINOT, FRANCOIS, FR
[72] FALZON, FREDERIC, FR
[72] DUCARNE, JULIEN, FR
[73] THALES,
[86] (2847480)
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[54] **PENICILLIUM AMAGASAKIENSE GLUCOSE OXIDASE MUTANTS**
[54] **MUTANTS DE LA GLUCOSE OXYDASE DE PENICILLIUM AMAGASAKIENSE**
[72] MANO, NICOLAS, FR
[72] COURJEAN, OLIVIER, FR
[72] TREMEY, EMILIE, FR
[72] GOUNEL, SEBASTIEN, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE,
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[25] FR
[54] **METHOD OF SYNCHRONISING THE ENGINES OF AN AIRCRAFT**
[54] **PROCEDE DE SYNCHRONISATION DES MOTEURS D'UN AVION**
[72] NOBELEN, FLORENT, FR
[72] DJELASSI, CEDRIK, FR
[73] SNECMA,
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[25] EN
[54] **ULTRASONIC DEVICE WITH INTEGRATED GAS DELIVERY SYSTEM**
[54] **DISPOSITIF A ULTRASONS MUNI DE SYSTEME DE DISTRIBUTION DE GAZ INTEGRE**
[72] RUNDQUIST, VICTOR F., US
[72] GILL, KEVIN S., US
[73] SOUTHWIRE COMPANY, LLC,
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[25] EN
[54] **PHARMACEUTICAL COMPOSITION WITH IMPROVED BIOAVAILABILITY FOR HIGH MELTING HYDROPHOBIC COMPOUND**
[54] **COMPOSITION PHARMACEUTIQUE A BIODISPONIBILITE AMELIOREE, DESTINEE A UN COMPOSE HYDROPHOBE A POINT DE FUSION ELEVE**
[72] ALBANO, ANTONIO A., US
[72] DESAI, DIPEN, US
[72] DINUNZIO, JAMES, US
[72] GO, ZENAIDA, US
[72] IYER, RAMAN, MAHADEVAN, US
[72] SANDHU, HARPREET K., US
[72] SHAH, NAVNIT HARGOVINDAS, US
[73] F. HOFFMANN-LA ROCHE AG,
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[54] **PLASTIC AEROSOL CONTAINER ASSEMBLY AND METHOD OF MANUFACTURE**
[54] **ENSEMBLE CONTENANT D'AEROSOL EN PLASTIQUE ET PROCEDE DE FABRICATION**
[72] ARMSTRONG, RALPH, US
[72] NAHILL, THOMAS E., US
[72] BARKER, KEITH J., US
[72] LYNCH, BRIAN A., US
[73] GRAHAM PACKAGING COMPANY, L.P.,
[85] 2014-04-03
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[25] EN
[54] **AN INTRAORAL ORTHOSIS, A METHOD OF FABRICATING SUCH AN ORTHOSIS, AND A METHOD OF ADJUSTING IT**
[54] **ORTHESE INTRABUCCALE, PROCEDE DE FABRICATION D'UNE TELLE ORTHESE ET SON PROCEDE DE REGLAGE**
[72] PETELLE, BORIS, FR
[72] FLEURY, BERNARD, FR
[73] BLUESOM,
[85] 2014-04-04
[86] 2012-08-31 (PCT/FR2012/051963)
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[25] EN
[54] **SYSTEM AND METHOD FOR PERFORMING STIMULATION OPERATIONS**
[54] **SYSTEME ET PROCEDE DE REALISATION D'OPERATIONS DE STIMULATION**
[72] CHUPRAKOV, DMITRY AREFIEVICH, US
[72] PRIOUL, ROMAIN CHARLES ANDRE, US
[72] WENG, XIAOWEI, US
[72] KRESSE, OLGA, US
[72] GU, HONGREN, US
[73] SCHLUMBERGER CANADA LIMITED,
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[51] **Int.Cl. E06B 1/62 (2006.01) E06B 1/56 (2006.01)**
[25] EN
[54] **TRIM CONNECTION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE LIAISON DE COUVRE-JOINTS**
[72] GOSLING, GEOFF, CA
[72] SMED, MOGENS F., CA
[73] DIRTT ENVIRONMENTAL SOLUTIONS, LTD.,
[85] 2014-04-11
[86] 2013-06-07 (PCT/US2013/044760)
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[25] EN
[54] **DEVICE AND METHOD FOR CONTROLLING, ANALYZING AND MANAGING PHASES OF CONSERVATION AND/OR PROCESSING OF FOOD IN A MOBILE OR FIXED CLOSED SPACE**
[54] **DISPOSITIF ET PROCEDE POUR COMMANDER, ANALYSER ET GERER DES PHASES DE CONSERVATION ET/OU DE TRAITEMENT D'ALIMENT DANS UN ESPACE CLOS MOBILE OU FIXE**
[72] CUOMO, ALESSANDRO, IT
[73] CUOMO, ALESSANDRO,
[85] 2014-04-16
[86] 2012-10-21 (PCT/EP2012/070832)
[87] (WO2013/057302)
[30] IT (MI2011A001902) 2011-10-20
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[54] **METHOD AND DEVICE FOR OPTICAL ANALYSIS OF PARTICLES AT LOW TEMPERATURES**
[54] **PROCEDE ET DISPOSITIF POUR ANALYSE OPTIQUE DE PARTICULES A BASSES TEMPERATURES**
[72] MEDORO, GIANNI, IT
[72] CALANCA, ALEX, IT
[72] MANARESI, NICOLO, IT
[73] MENARINI SILICON BIOSYSTEMS S.P.A.,
[85] 2014-04-25
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[25] EN
[54] **NEW METHOD FOR EVALUATION OF TARGET IN HISTOLOGICAL SAMPLE**
[54] **NOUVEAU PROCEDE D'EVALUATION DE CIBLE DANS UN ECHANTILLON HISTOLOGIQUE**
[72] LOHSE, JESPER, DK
[72] JENSEN, KRISTIAN, DK
[72] KRUSENSTJERNA-HAFSTROM, RIKKE MALENE, DK
[72] HOFF, KIRSTEN DAMGAARD, DK
[72] JACOBSEN, LARS CHRISTIAN, DK
[73] DAKO DENMARK A/S,
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[25] EN
[54] **AMPHIPATHIC LIPID-BASED SUSTAINED RELEASE COMPOSITIONS**
[54] **COMPOSITIONS A LIBERATION PROLONGEE A BASE DE LIPIDES AMPHIPATHIQUES**
[72] HOWARD, SCOTT A., US
[72] PURVIS, TROY, US
[73] PEGASUS LABORATORIES, INC.,
[85] 2014-04-29
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[25] EN
[54] **STABLE HETERODIMERIC ANTIBODY DESIGN WITH MUTATIONS IN THE FC DOMAIN**
[54] **STRUCTURE D'ANTICORPS HETERODIMERIQUE STABLE COMPRENANT DES MUTATIONS DANS LE DOMAINE FC**
[72] SPRETER VON KREUDENSTEIN, THOMAS, CA
[72] DIXIT, SURJIT BHIMARAO, CA
[72] ESCOBAR-CABRERA, ERIC, CA
[72] LARIO, PAULA IRENE, CA
[72] POON, DAVID KAI YUEN, CA
[73] ZYMEWORKS INC.,
[85] 2014-05-01
[86] 2012-11-02 (PCT/CA2012/050780)
[87] (WO2013/063702)
[30] US (61/556,090) 2011-11-04
[30] US (61/557,262) 2011-11-08
[30] US (61/645,547) 2012-05-10

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[51] **Int.Cl. A61F 13/00 (2006.01)**
[25] EN
[54] **MEDICAL DRESSINGS, SYSTEMS, AND METHODS WITH THERMALLY-ENHANCED VAPOR TRANSMISSION**
[54] **PANSEMENTS MEDICAUX, SYSTEMES, ET PROCEDES AVEC TRANSMISSION DE VAPEUR THERMIQUEMENT AMELIOREE**
[72] PRATT, BENJAMIN A., GB
[72] LOCKE, CHRISTOPHER BRIAN, GB
[72] COULTHARD, RICHARD DANIEL JOHN, GB
[72] ROBINSON, TIMOTHY MARK, GB
[73] KCI LICENSING, INC.,
[85] 2014-05-05
[86] 2012-11-15 (PCT/US2012/065335)
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[54] **CONNECTION FOR A THERMOPLASTIC PIPE, ASSEMBLY AND METHOD**
[54] **RACCORDEMENT POUR CANALISATION THERMOPLASTIQUE, ENSEMBLE ET PROCEDE**
[72] DUNCAN, MARK, CA
[72] CONLEY, JEFFREY RYAN, CA
[72] NIU, HAO, CA
[72] BOUEY, SAMUEL GLEN, CA
[73] SHAWCOR LTD. SHAWCOR LTEE,
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[86] 2012-11-16 (PCT/CA2012/050826)
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[30] US (61/560,599) 2011-11-16
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[25] EN
[54] **HIGH-VISCOSITY SEALANT APPLICATION SYSTEM**
[54] **SYSTEME D'APPLICATION D'AGENT D'ETANCHEITE A VISCOSITE ELEVEE**
[72] KEENER, STEVEN GLENN, US
[72] LOGAN, TRENT ROB, US
[73] THE BOEING COMPANY,
[86] (2855116)
[87] (2855116)
[22] 2014-06-25
[30] US (13/964,713) 2013-08-12

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[25] EN
[54] **DUAL STERILIZATION CONTAINMENT VESSEL**
[54] **RECIPIENT DE CONFINEMENT POUR DOUBLE STERILISATION**
[72] CHANG, ROBERT T., US
[72] MCCOLLUM, BRIAN K., US
[72] CONROY, MICHAEL J., US
[73] BOSTON SCIENTIFIC SCIMED, INC.,
[85] 2014-05-15
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[87] (WO2013/074771)
[30] US (61/559,914) 2011-11-15
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[25] EN
[54] **INTERDIGITATED ARRAY AND METHOD OF MANUFACTURE**
[54] **RESEAU INTERDIGITE ET PROCEDE DE FABRICATION**
[72] SAMPRONI, JENNIFER A., US
[73] SIEMENS HEALTHCARE DIAGNOSTICS INC.,
[85] 2014-05-20
[86] 2012-11-19 (PCT/US2012/065834)
[87] (WO2013/078127)
[30] US (61/562,645) 2011-11-22
[30] US (61/577,933) 2011-12-20

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[13] C
[51] **Int.Cl. C08J 9/14 (2006.01) C08G 18/00 (2006.01)**
[25] EN
[54] **FOAMS AND ARTICLES MADE FROM FOAMS CONTAINING HCFO OR HFO BLOWING AGENTS**
[54] **MOUSSES ET ARTICLES FABRIQUES A PARTIR DE MOUSSES CONTENANT DES AGENTS GONFLANTS HCFO OU HFO**
[72] WILLIAMS, DAVID J., US
[72] LING, YIUKEUNG, US
[72] QIN, SANGLU, CN
[72] LU, BIN, CN
[72] PAN, RONGWEI, CN
[73] HONEYWELL INTERNATIONAL INC.,
[85] 2014-05-23
[86] 2012-09-21 (PCT/CN2012/081740)
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[30] US (61/569,061) 2011-12-09

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[13] C
[51] **Int.Cl. C07D 413/12 (2006.01) A61K 31/5355 (2006.01)**
[25] EN
[54] **FLUOROMETHYL-5,6-DIHYDRO-4H-[1,3]OXAZINES**
[54] **FLUOROMETHYL-5,6-DIHYDRO-4H-[1,3]OXAZINES**
[72] HILPERT, HANS, CH
[72] HUMM, ROLAND, DE
[72] WOLTERING, THOMAS, DE
[73] F. HOFFMANN-LA ROCHE AG,
[73] SIENA BIOTECH S.P.A.,
[85] 2014-05-23
[86] 2013-01-23 (PCT/EP2013/051166)
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[30] EP (12152686.7) 2012-01-26

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[13] C
[51] **Int.Cl. F21V 23/00 (2015.01) F21V 19/00 (2006.01) F21V 21/005 (2006.01)**
[25] EN
[54] **FLEXIBLE LIGHTING DEVICE HAVING UNOBTRUSIVE CONDUCTIVE LAYERS**
[54] **DISPOSITIF LUMINEUX SOUPLE COMPORTANT DES COUCHES CONDUCTRICES NON OBSTRUSIVES**
[72] CORWIN, WILLIAM L., US
[72] GRAMLICH, DONALD LEE, JR., US
[72] JONES, SCOTT J., US
[72] MARX, MARTIN J., US
[72] PEREZ-BOLIVAR, CESAR, US
[72] RICHARDSON, GEORGE M., III, US
[72] ROBERTS, JAMES E., US
[73] GROTE INDUSTRIES, LLC,
[86] (2857209)
[87] (2857209)
[22] 2014-07-18
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[51] **Int.Cl. A61M 5/158 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **INFUSION DEVICE WITH RELEASABLE FLUID CONNECTOR**
[54] **DISPOSITIF D'INFUSION AVEC RACCORD DE LIQUIDE AMOVIBLE**
[72] SONDEREGGER, RALPH, US
[72] MARSH, RONALD, US
[72] HWANG, CHARLES, US
[72] RICHARDS, STEPHEN, US
[72] POLITIS, VICTOR, US
[72] HORVATH, JOSHUA, US
[72] GLACE, BENJAMIN, US
[72] SULLIVAN, JAMES, US
[72] LAMBERT, RYAN, US
[72] VENDITTO, GREGORY, US
[72] BENE, ERIC, US
[73] BECTON, DICKINSON AND COMPANY,
[85] 2014-06-04
[86] 2012-12-07 (PCT/US2012/068632)
[87] (WO2013/086463)
[30] US (61/568,074) 2011-12-07
[30] US (61/692,985) 2012-08-24
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[51] **Int.Cl. A61K 9/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **BACTERIALLY DERIVED, INTACT MINICELLS FOR DELIVERY OF THERAPEUTIC AGENTS TO BRAIN TUMORS**
[54] **MINICELLULES INTACTES, D'ORIGINE BACTERIENNE, POUR L'ADMINISTRATION D'AGENTS THERAPEUTIQUES A DES TUMEURS CEREBRALES**
[72] BRAHMBHATT, HIMANSHU, AU
[72] MACDIARMID, JENNIFER, AU
[73] ENGENEIC MOLECULAR DELIVERY PTY LTD,
[85] 2014-06-05
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[54] **BIOCIDAL COMPOSITIONS AND METHODS OF USING THE SAME**
[54] **COMPOSITION BIOCIDE ET SES PROCEDES D'UTILISATION**
[72] SALAMONE, JOSEPH C., US
[72] SALAMONE, ANN BEAL, US
[73] ROCHAL INDUSTRIES, LLC,
[85] 2014-06-06
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[54] **BRADYRHIZOBIUM STRAINS**
[54] **SOUCHES DE BRADYRHIZOBIUM**
[72] KANG, YAOWEI, US
[72] TRAN, ANH, US
[72] SEMONES, SHAWN, US
[73] NOVOZYMES BIOAG A/S,
[73] NOVOZYMES BIOLOGICALS, INC.,
[85] 2014-06-13
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[87] (WO2013/090884)
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[25] EN
[54] **A PROCESS FOR MANUFACTURING ALUMINUM FROM BAUXITE OR ITS RESIDUE**
[54] **PROCEDE DE FABRICATION D'ALUMINIUM A PARTIR DU BAUXITE OU DE SON RESIDU**
[72] GHARDA, KEKI HORMUSJI, IN
[73] GHARDA, KEKI HORMUSJI,
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[86] 2013-01-01 (PCT/IN2013/000001)
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[51] **Int.Cl. C07F 7/12 (2006.01) H01M 10/056 (2010.01) C08G 65/336 (2006.01)**
[25] EN
[54] **HALOGENATED ORGANOSILICON ELECTROLYTES, METHODS OF USING THEM, AND ELECTROCHEMICAL DEVICES CONTAINING THEM**
[54] **ELECTROLYTES D'ORGANOSILICIUM HALOGENE, PROCEDES POUR LES UTILISER ET DISPOSITIFS ELECTROCHIMIQUES LES CONTENANT**
[72] PENA HUESO, JOSE ADRIAN, US
[72] DONG, JIAN, US
[72] POLLINA, MICHAEL L., US
[72] USREY, MONICA L., US
[72] HAMERS, ROBERT J., US
[72] WEST, ROBERT C., US
[72] OSMALOV, DAVID, US
[73] SILATRONIX, INC.,
[85] 2014-07-10
[86] 2013-02-04 (PCT/US2013/024629)
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[54] **APPLICATION LICENSING USING SYNC PROVIDERS**
[54] **OCTROI D'UNE LICENCE POUR UNE APPLICATION PAR LE BIAIS DE FOURNISSEURS DE SYNCHRONISATION**
[72] LI, KARVELL, US
[72] DONNER, ROBERT, US
[72] WADHWA, AMIT, US
[72] GARG, SANJAY, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC,
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[30] US (61/591,703) 2012-01-27
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[25] EN
[54] **METHOD OF DE-ICING A WIND TURBINE BLADE**
[54] **PROCEDE DE DEGIVRAGE D'UNE PALE DE TURBINE EOLIENNE**
[72] CUOGHI, JOE, GB
[72] GREGORY, KARL, GB
[72] TOWNSEND, ROBERT, GB
[73] VESTAS WIND SYSTEMS A/S,
[85] 2014-07-17
[86] 2013-01-09 (PCT/DK2013/050005)
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[30] DK (PA 2012 70035) 2012-01-20
[30] DK (PA 2012 70254) 2012-05-16
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[54] **DISC PUMP WITH ADVANCED ACTUATOR**
[54] **POMPE A DISQUES AVEC ACTIONNEUR AVANCE**
[72] LOCKE, CHRISTOPHER BRIAN, GB
[72] TOUT, AIDAN MARCUS, GB
[73] KCI LICENSING, INC.,
[85] 2014-06-26
[86] 2013-03-01 (PCT/US2013/028534)
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[30] US (61/607,904) 2012-03-07

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[25] EN
[54] **STRAND, CABLE BOLT AND ITS INSTALLATION**
[54] **TORON, BOULON DE CABLE ET SON INSTALLATION**
[72] DEFOSSEZ, STIJN, BE
[72] ASPINWALL, DAVID, US
[72] TADOLINI, STEPHEN, US
[72] EARL, JAMES, US
[73] NV BEKAERT SA,
[73] MINOVA INTERNATIONAL LIMITED,
[85] 2014-07-21
[86] 2013-03-01 (PCT/EP2013/054197)
[87] (WO2013/131827)
[30] US (61/608,925) 2012-03-09

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[25] EN
[54] **METHOD OF MAKING A SANDWICH PANEL**
[54] **PROCEDE DE FABRICATION DE PANNEAU SANDWICH**
[72] LEVIT, MIKHAIL R., US
[72] RICHARDSON, LLEWELLYN BENTLEY, III, US
[72] KNOFF, WARREN FRANCIS, US
[72] KAWKA, DARIUSZ WLODZIMIERZ, US
[73] DUPONT SAFETY & CONSTRUCTION, INC.,
[85] 2014-07-22
[86] 2013-01-28 (PCT/US2013/023393)
[87] (WO2013/158182)
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[51] **Int.Cl. H05B 33/10 (2006.01) H05B 33/14 (2006.01)**
[25] EN
[54] **ELECTROLUMINESCENT DEVICES AND THEIR MANUFACTURE**
[54] **DISPOSITIFS ELECTROLUMINESCENTS ET LEUR FABRICATION**
[72] ZSINKO, ANDREW, US
[72] MASTRIAN, SHAWN J., US
[73] DARKSIDE SCIENTIFIC, INC.,
[85] 2014-06-30
[86] 2013-01-03 (PCT/IB2013/050037)
[87] (WO2013/102859)
[30] US (61/582,581) 2012-01-03
[30] US (13/624,910) 2012-09-22
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[25] EN
[54] **DIGITAL DENSITOMETER AND FLUID GAUGING SYSTEM**
[54] **DENSITOMETRE NUMERIQUE ET SYSTEME DE JAUGE DE FLUIDE**
[72] BAHORICH, PHILLIP ANDREW, US
[72] JOSHI, NALIN, US
[73] EATON INTELLIGENT POWER LIMITED,
[85] 2014-07-23
[86] 2013-03-21 (PCT/US2013/033349)
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[25] FR
[54] **METHOD OF FORMING A THERMOPLASTIC COMPOSITE MATERIAL WITH CONTINUOUS-FIBRE REINFORCEMENT BY STAMPING**
[54] **PROCEDE DE FORMAGE PAR ESTAMPAGE D'UN MATERIAU COMPOSITE THERMOPLASTIQUE A RENFORT FIBREUX CONTINU**
[72] KURTZ, DIDIER, FR
[72] VAUDOUR, JULIE, FR
[73] DAHER AEROSPACE,
[85] 2014-07-25
[86] 2013-02-28 (PCT/FR2013/050431)
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[51] **Int.Cl. A61N 7/02 (2006.01)**
[25] EN
[54] **TISSUE NECROSIS METHODS AND APPARATUS**
[54] **PROCEDES ET APPAREIL DE NECROSE TISSULAIRE**
[72] PEDERSON, MICHAEL J., US
[72] PHILLIPS, PATRICK J., US
[72] MADDEN, JOHN P., US
[72] HORZEWSKI, MICHAEL J., US
[73] VYTRONUS, INC.,
[85] 2014-07-25
[86] 2013-01-30 (PCT/US2013/023915)
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[30] US (61/592,392) 2012-01-30

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[13] C
[51] **Int.Cl. C04B 24/38 (2006.01) C04B 28/26 (2006.01)**
[25] EN
[54] **BINDER COMPOSITION AND PATH MATERIAL COMPRISING A BINDER COMPOSITION**
[54] **COMPOSITION DE LIANT ET MATIERE DE PAVAGE CONTENANT LADITE COMPOSITION**
[72] FRITSCHE, SVEN, DE
[73] ECO SCIENCE GMBH,
[85] 2014-08-05
[86] 2013-02-08 (PCT/EP2013/052519)
[87] (WO2013/117684)
[30] EP (12154770.7) 2012-02-09

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[51] **Int.Cl. H04H 20/62 (2009.01) H04H 20/59 (2009.01) H04H 60/13 (2009.01)**
[25] EN
[54] **METHOD FOR PERFORMING ANNOUNCEMENTS IN A MEANS OF TRANSPORT**
[54] **PROCEDE PERMETTANT LA DIFFUSION D'ANNONCES DANS UN MOYEN DE TRANSPORT**
[72] HOMMEL, PETER, DE
[72] LIEBE, JORG, DE
[73] LUFTHANSA SYSTEMS AG,
[85] 2014-08-13
[86] 2013-01-23 (PCT/EP2013/051241)
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[51] **Int.Cl. C08L 67/04 (2006.01)**
[25] EN
[54] **BIODEGRADABLE POLYMER COMPOSITION FOR THE MANUFACTURE OF ARTICLES HAVING A HIGH HEAT DEFLECTION TEMPERATURE**
[54] **COMPOSITION DE POLYMERE BIODEGRADABLE POUR LA FABRICATION D'ARTICLES AYANT UNE TEMPERATURE DE DISTORSION A LA CHALEUR ELEVEE**
[72] MARINI, NICOLA, IT
[72] RALLIS, ANGELOS, IT
[73] NOVAMONT S.P.A.,
[85] 2014-08-18
[86] 2013-02-20 (PCT/EP2013/053353)
[87] (WO2013/124301)
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[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR TREATMENT AND/OR PREVENTION OF CANCER**
[54] **COMPOSITION PHARMACEUTIQUE POUR LE TRAITEMENT ET/OU LA PREVENTION DU CANCER**
[72] KOBAYASHI, SHINICHI, JP
[72] OKANO, FUMIYOSHI, JP
[72] SAITO, TAKANORI, JP
[73] TORAY INDUSTRIES, INC.,
[85] 2014-08-18
[86] 2013-02-21 (PCT/JP2013/054337)
[87] (WO2013/125636)
[30] JP (2012-035484) 2012-02-21

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[25] EN
[54] **SYSTEMS AND METHODS FOR FLEXIBLE COMPONENTS, FLEXIBLE CARDS, MULTI-LAYER BOARDS, MULTIPLE SENSOR DETECTORS, NON-TIME SMEARING DETECTION MECHANISMS AND ELECTROMAGNETIC FIELD GENERATORS FOR POWERED CARDS AND DEVICES**
[54] **SYSTEMES ET PROCEDES POUR COMPOSANTS FLEXIBLES, CARTES FLEXIBLES, CARTES MULTICOUCHES, DETECTEURS DE CAPTEURS MULTIPLES, MECANISMES DE DETECTION DE DEPLOIEMENT NON TEMPORELS ET GENERATEURS DE CHAMP ELECTROMAGNETIQUE POUR DES CARTES ET DES DISPOSITIFS SOUS TENSION**
[72] MULLEN, JEFFREY D., US
[72] O'SHEA, NORMAN E., US
[72] HARTWICK, DAVID J., US
[72] BATRA, GAUTAM, US
[72] WORKLEY, JAMES H., US
[72] BRUNER, KEVIN D., US
[72] SHIPPEE, GEOFFREY D., US
[72] BOWERS, ALLEN D., US
[72] VETER, ANDREW, US
[73] DYNAMICS INC.,
[85] 2014-08-19
[86] 2013-02-19 (PCT/US2013/026746)
[87] (WO2013/126349)
[30] US (61/600,950) 2012-02-20
[30] US (61/666,553) 2012-06-29
[30] US (61/719,703) 2012-10-29
[30] US (61/739,614) 2012-12-19
[30] US (61/740,173) 2012-12-20
[30] US (61/754,424) 2013-01-18

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[51] **Int.Cl. H02M 7/04 (2006.01) H02M 1/42 (2007.01) B60L 53/22 (2019.01) B60L 53/60 (2019.01) B60L 53/62 (2019.01) H02M 3/338 (2006.01)**
[25] FR
[54] **DISPOSITIF DE CHARGE EXTERNE POUR LA BATTERIE D'UN VEHICULE COMPRENANT CONVERTISSEUR AC-DC AVEC UN ETAGE ISOLE RESONANT**
[54] **DISPOSITIF DE CHARGE EXTERNE POUR LA BATTERIE D'UN VEHICULE COMPRENANT CONVERTISSEUR AC-DC AVEC UN ETAGE ISOLE RESONANT**
[72] BIAGINI, ERIC, FR
[73] INTELLIGENT ELECTRONIC SYSTEMS,
[85] 2014-08-28
[86] 2013-03-07 (PCT/EP2013/054633)
[87] (WO2013/132020)
[30] FR (12/00728) 2012-03-09

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[51] **Int.Cl. C07D 417/04 (2006.01) A61K 31/4155 (2006.01) A61K 31/4245 (2006.01) A61K 31/433 (2006.01) A61P 17/00 (2006.01) C07D 413/04 (2006.01)**
[25] EN
[54] **PYRAZOLYL DERIVATIVES AS LIVER X RECEPTOR (LXR) MODULATORS FOR THE TREATMENT OF DERMAL DISEASES, DISORDERS AND CONDITIONS**
[54] **DERIVES DE PYRAZOLYL COMME MODULATEUR DE RECEPTEUR X DU FOIE (LXR) POUR LE TRAITEMENT DE MALADIES, TROUBLES ET ETATS DERMIQUES**
[72] MOHAN, RAJU, US
[73] RALEXAR THERAPEUTICS, INC.,
[85] 2014-08-29
[86] 2013-02-28 (PCT/US2013/028438)
[87] (WO2013/130892)
[30] US (61/606,160) 2012-03-02

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[13] C
[51] **Int.Cl. B29C 45/76 (2006.01) G05B 19/409 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR OPERATING A MACHINE EQUIPPED WITH A HANDLING DEVICE**
[54] **DISPOSITIF ET PROCEDE DESTINES A COMMANDER UNE MACHINE EQUIPEE D'UN APPAREIL DE MANIPULATION**
[72] GRIMM, GUNTHER, DE
[73] KRAUSSMAFFEI TECHNOLOGIES GMBH,
[85] 2014-09-02
[86] 2013-03-25 (PCT/EP2013/056212)
[87] (WO2013/139990)
[30] DE (10 2012 005 975.2) 2012-03-23

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[13] C
[51] **Int.Cl. E21B 43/26 (2006.01) B65B 1/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DELIVERING TREATMENT FLUID**
[54] **SYSTEME ET PROCEDE DE DISTRIBUTION DE FLUIDE DE TRAITEMENT**
[72] SHAMPINE, ROD, US
[72] LEUGEMORS, EDWARD, US
[72] LESKO, TIMOTHY M., US
[73] SCHLUMBERGER CANADA LIMITED,
[85] 2014-09-03
[86] 2013-03-08 (PCT/US2013/029822)
[87] (WO2013/134622)
[30] US (13/415,025) 2012-03-08

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[51] **Int.Cl. A61B 5/0484 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IMPROVED DETERMINATION OF A BRAIN RESPONSE STATE**
[54] **SYSTEME ET PROCEDE POUR LA DETERMINATION AMELIOREE D'UN ETAT DE REPONSE CEREBRALE**
[72] KALLSTRAND, JOHAN, SE
[73] SENSODETECT AB,
[85] 2014-09-05
[86] 2013-03-05 (PCT/EP2013/054450)
[87] (WO2013/131932)
[30] EP (12158150.8) 2012-03-05
[30] US (61/606,854) 2012-03-05

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[51] **Int.Cl. E21B 34/10 (2006.01) E21B 43/08 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **DOWNHOLE APPARATUS**
[54] **APPAREIL DE FOND DE TROU**
[72] BRUCE, STEPHEN EDMUND, GB
[72] KENT, STEPHEN, GB
[72] MCCANN, DOMINIC PATRICK JOSEPH, GB
[72] NOBLETT, DAVID ALLAN, GB
[72] GRANT, DAVID, GB
[72] SMITH, EWAN COLIN, GB
[73] HALLIBURTON MANUFACTURING AND SERVICES LIMITED,
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[86] 2013-03-07 (PCT/GB2013/050562)
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[30] GB (1203986.3) 2012-03-07

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[25] EN
[54] **APPARATUS AND METHOD FOR TRACKING CONVEYOR BELTS**
[54] **APPAREIL ET PROCEDE POUR SUIVRE DES COURROIES TRANSPORTEUSES**
[72] KUIPER, DANIEL J., US
[72] DEVRIES, BRETT E., US
[72] GILMAN, RICHARD W., US
[73] FLEXIBLE STEEL LACING COMPANY,
[85] 2014-09-05
[86] 2013-03-08 (PCT/US2013/030034)
[87] (WO2013/134730)
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[51] **Int.Cl. E06B 9/40 (2006.01)**
[25] EN
[54] **LAMINATE SCREEN FOR A ROLLER BLIND**
[54] **ECRAN STRATIFIE POUR STORE**
[72] RUBINOFF, RONALD S., US
[73] HUNTER DOUGLAS INC.,
[85] 2014-09-09
[86] 2013-03-13 (PCT/US2013/030770)
[87] (WO2013/138435)
[30] US (13/418,490) 2012-03-13

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[51] **Int.Cl. A61B 17/16 (2006.01)**
[25] EN
[54] **CHECK VALVE VENTED STERILIZABLE POWERED SURGICAL HANDPIECE**
[54] **PIECE A MAIN CHIRURGICALE ELECTRIQUE STERILISABLE A EVENT POURVUE D'UN CLAPET DE NON-RETOUR**
[72] KOLTZ, MICHAEL L., US
[73] MEDTRONIC XOMED, INC.,
[85] 2014-09-11
[86] 2013-03-12 (PCT/US2013/030556)
[87] (WO2013/138355)
[30] US (13/419,129) 2012-03-13

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[25] EN
[54] **PROCESS FOR FORMING MULTIPLE LAYERED COATING FILM**
[54] **PROCEDE DE FORMATION D'UN FILM A PLUSIEURS COUCHES**
[72] TOGAI, HIROKAZU, JP
[72] KITAMURA, NAOTAKA, JP
[72] KOJIMA, KEISUKE, JP
[72] AOKI, TAKAMASA, JP
[72] OGAWA, TAKESHI, JP
[73] NIPPON PAINT AUTOMOTIVE COATINGS CO., LTD.,
[85] 2014-09-12
[86] 2013-03-21 (PCT/JP2013/058097)
[87] (WO2013/141305)
[30] JP (2012-066012) 2012-03-22

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[13] C
[51] **Int.Cl. B03B 9/06 (2006.01)**
[25] FR
[54] **PROCESS FOR TREATING WASTE, IN PARTICULAR HOUSEHOLD WASTE, AND INSTALLATION FOR THE IMPLEMENTATION OF THIS PROCESS**
[54] **PROCEDE DE TRAITEMENT DE DECHETS,EN PARTICULIER D'ORDURES MENAGERES, ET INSTALLATION POUR LA MISE EN OEUVRE DE CE PROCEDE**
[72] SOMMAIN, ARNAUD, FR
[73] SUEZ ENVIRONNEMENT,
[85] 2014-09-17
[86] 2013-03-25 (PCT/IB2013/052359)
[87] (WO2013/144817)
[30] FR (12 52707) 2012-03-27

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[51] **Int.Cl. B65G 1/137 (2006.01)**
[25] FR
[54] **SYSTEM AND METHOD FOR PROCESSING A COMMAND**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT D'UNE COMMANDE**
[72] VALENTIN, FABRICE, FR
[73] SAVOYE,
[85] 2014-09-17
[86] 2013-04-03 (PCT/EP2013/057049)
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[30] FR (1253119) 2012-04-04

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[51] **Int.Cl. C04B 40/00 (2006.01) C04B 28/04 (2006.01)**
[25] FR
[54] **ADJUVANT FOR HYDRAULIC COMPOSITIONS**
[54] **ADJUVANT POUR COMPOSITIONS HYDRAULIQUES**
[72] DARGUY, SANDRA, FR
[72] BABAYAN, DAVID, CH
[73] CHRYSO,
[85] 2014-09-26
[86] 2013-04-05 (PCT/EP2013/057231)
[87] (WO2013/150145)
[30] FR (12 53165) 2012-04-05

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[13] C
[51] **Int.Cl. E04F 13/14 (2006.01) E04B 2/00 (2006.01) E04C 1/00 (2006.01) E04D 1/00 (2006.01) E04F 21/18 (2006.01) E04G 21/00 (2006.01)**
[25] EN
[54] **INTEGRATED FIBER CEMENT AND FOAM AS INSULATED CLADDING WITH ENHANCEMENTS**
[54] **MOUSSE ET CIMENT A FIBRES INTEGREES CONSTITUANT UN REVETEMENT ISOLE COMPORTANT DES AMELIORATIONS**
[72] COLE, DAWN, US
[72] ELIZARRARAS, GEORGE, US
[72] LI, HUI, US
[72] O'LEARY, KEVIN, US
[72] O'LEARY, SEAN, US
[73] JAMES HARDIE TECHNOLOGY LIMITED,
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[54] **HEAVY-DUTY TRAILER WITH MACPHERSON INDEPENDENT WHEEL SUSPENSION**
[54] **REMORQUES POUR POIDS LOURDS DOTEES D'UNE SUSPENSION INDEPENDANTE MACPHERSON**
[72] SWOBODA, HERBERT, DE
[72] MAIER, GEORG, DE
[73] GOLDHOFER AG,
[85] 2014-09-30
[86] 2013-04-04 (PCT/EP2013/057106)
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[30] DE (10 2012 205 641.6) 2012-04-05

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[54] **FIXED THREE-PHASE TO TWO-PHASE TRANSFORMER WITH FORCED LINKED FLUX**
[54] **TRANSFORMATEUR FIXE TRIPHASE-DIPHASE A FLUX LIES FORCES**
[72] DUVAL, CEDRIC, FR
[73] LABINAL POWER SYSTEMS,
[85] 2014-10-02
[86] 2013-04-03 (PCT/FR2013/050731)
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[54] **GRAFT ANCHOR SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ANCRAGE DE GREFFON**
[72] BOUDUBAN, NICOLAS, CH
[72] LECHMANN, BEAT, CH
[72] BURKI, PATRICK, CH
[72] SNEDEKER, JESS, CH
[72] FARSHAD, MAZDA, CH
[73] UNIVERSITY OF ZURICH,
[73] DEPUY SYNTHES PRODUCTS, INC.,
[85] 2014-10-02
[86] 2013-03-29 (PCT/US2013/034643)
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[25] EN
[54] **METHOD AND DEVICE FOR ASSOCIATING USER PREFERENCES WITH ELEVATOR ACTIVITY**
[54] **PROCEDE ET DISPOSITIF PERMETTANT D'ASSOCIER DES PREFERENCES D'UTILISATEUR A L'ACTIVITE D'UN ASCENSEUR**
[72] NOWEL, EDWARD, US
[73] INVENTIO AG,
[85] 2014-10-06
[86] 2013-05-01 (PCT/EP2013/059075)
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[25] EN
[54] **APPARATUS AND METHOD FOR ENDODONTIC TREATMENT**
[54] **APPAREIL ET PROCEDE POUR TRAITEMENT ENDODONTIQUE**
[72] DARSHAN, YEHUDA, IL
[72] LIFSHITZ, AMNON, IL
[73] FLUIDFILE LTD.,
[85] 2014-10-07
[86] 2013-04-15 (PCT/IL2013/050330)
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[30] IL (219169) 2012-04-15

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[51] **Int.Cl. H04N 21/242 (2011.01) H04N 21/414 (2011.01) G09F 9/30 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR COORDINATING VISUAL EXPERIENCES THROUGH VISUAL DEVICES, A MASTER DEVICE, SLAVE DEVICES AND WIDE AREA NETWORK CONTROL**
[54] **APPAREIL ET PROCEDE POUR COORDONNER DES EXPERIENCES VISUELLES PAR LE BIAIS DE DISPOSITIFS VISUELS, D'UN DISPOSITIF MAITRE, DE DISPOSITIFS ESCLAVES ET D'UNE COMMANDE DE RESEAU LONGUE PORTEE**
[72] BULD, JOHANNES, DE
[72] TERHECHTE, BENEDIKT, DE
[72] KIRCHNER, PHILIPP, DE
[72] CELIK, AYTEK ESEN, US
[73] VIDERO AG,
[85] 2014-10-08
[86] 2013-04-17 (PCT/US2013/036992)
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[25] FR
[54] **PROCESS FOR PURIFYING PHOSPHORIC ACID BY NANOFILTRATION**
[54] **PROCEDE DE PURIFICATION D'ACIDE PHOSPHORIQUE PAR NANOFILTRATION**
[72] KHALESS, KHAOULA, MA
[72] KOSSIR, ABDELAALI, MA
[73] OCP SA,
[85] 2014-10-08
[86] 2013-03-06 (PCT/MA2013/000003)
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[25] EN
[54] **STRUCTURE FOR A SYSTEM HAVING SLIDING SURFACE ELEMENTS**
[54] **STRUCTURE POUR UNE INSTALLATION COMPRENANT DES ELEMENTS A SURFACE DE GLISSEMENT**
[72] KROPP, EDUARD, DE
[73] CERAMTEC-ETEC GMBH,
[85] 2014-10-14
[86] 2013-04-15 (PCT/EP2013/057831)
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[25] EN
[54] **AMINOSTEROIDS FOR THE TREATMENT OF A PTP1B ASSOCIATED DISEASE**
[54] **AMINOSTEROIDES POUR LE TRAITEMENT D'UNE MALADIE ASSOCIEE A PTP1B**
[72] MCLANE, MICHAEL, US
[72] RUIZ-WHITE, INEZ, US
[72] MALOY, W. LEE, US
[72] WOLFE, HENRY R., US
[73] OHR PHARMACEUTICAL INC.,
[85] 2014-10-16
[86] 2013-04-19 (PCT/US2013/037330)
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[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR INHIBITING VIRAL POLYMERASE**
[54] **COMPOSITIONS ET PROCEDES D'INHIBITION D'UNE POLYMERASE VIRALE**
[72] KOTIAN, PRAVIN L., US
[72] BABU, YARLAGADDA S., US
[73] BIOCRYST PHARMACEUTICALS, INC.,
[85] 2014-10-16
[86] 2013-04-17 (PCT/US2013/036945)
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[51] **Int.Cl. B29C 70/44 (2006.01) B29B 15/10 (2006.01) B29C 70/46 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A FIBER COMPOSITE COMPONENT BY MEANS OF A VACUUM STRUCTURE, AND USE THEREOF**
[54] **PROCEDE DE FABRICATION D'UN ELEMENT COMPOSITE RENFORCE DE FIBRES AU MOYEN DE L'ETABLISSEMENT D'UN VIDE, ET UTILISATION ASSOCIEE**
[72] BAUER, ERNST-JOACHIM, DE
[73] PREMIUM AEROTEC GMBH,
[85] 2014-10-17
[86] 2013-05-27 (PCT/DE2013/000282)
[87] (WO2013/174366)
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[25] EN
[54] **COVALENTLY LINKED ANTIGEN-ANTIBODY CONJUGATES**
[54] **CONJUGUES ANTICORPS-ANTIGENE LIES PAR COVALENCE**
[72] BENZ, JOERG, DE
[72] BRINKMANN, ULRICH, DE
[72] DENGL, STEFAN, DE
[72] DZIADEK, SEBASTIAN, DE
[72] GEORGES, GUY, DE
[72] GROTE, MICHAEL, DE
[72] HAAS, ALEXANDER, DE
[72] HOFFMANN, EIKE, DE
[73] F. HOFFMANN-LA ROCHE AG,
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[86] 2013-07-04 (PCT/EP2013/064100)
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[25] EN
[54] **ODOR BARRIER FILM**
[54] **FILM FORMANT BARRIERE CONTRE LES ODEURS**
[72] CHANG, MOH-CHING OLIVER, US
[72] CISKO, GEORGE J., US
[73] HOLLISTER INCORPORATED,
[85] 2014-10-23
[86] 2013-03-01 (PCT/US2013/028558)
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[51] **Int.Cl. A47J 31/36 (2006.01)**
[25] EN
[54] **METHOD AND PREPARATION SYSTEM FOR PREPARING A BREWED PRODUCT**
[54] **PROCEDE ET SYSTEME POUR LA PREPARATION D'UN PRODUIT DE PERCOLATION**
[72] DEUBER, LOUIS, CH
[73] QBO COFFEE GMBH,
[85] 2014-09-29
[86] 2013-04-03 (PCT/CH2013/000057)
[87] (WO2013/149354)
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[25] FR
[54] **FAN BLADE FOR A TURBOJET OF AN AIRCRAFT HAVING A CAMBERED PROFILE IN THE FOOT SECTIONS**
[54] **AUBE DE SOUFFLANTE POUR TURBOREACTEUR D'AVION A PROFIL CAMBRE EN SECTIONS DE PIED**
[72] REISS, HANNA, FR
[72] BISCAY, ADRIEN, FR
[72] FAYARD, BENOIT, FR
[72] JABLONSKI, LAURENT, FR
[72] MERLOT, DAMIEN, FR
[73] SNECMA,
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[86] 2013-05-23 (PCT/FR2013/051125)
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[51] **Int.Cl. C12P 7/06 (2006.01) C12N 1/20 (2006.01) C12P 7/08 (2006.01)**
[25] EN
[54] **SYNGAS FERMENTATION PROCESS AND MEDIUM**
[54] **PROCEDE ET MILIEU DE FERMENTATION DE GAZ DE SYNTHESE**
[72] SCOTT, SYRONA, US
[72] SENARATNE, RYAN, US
[72] KO, CHING-WHAN, US
[73] INEOS BIO SA,
[85] 2014-11-18
[86] 2013-05-15 (PCT/US2013/041212)
[87] (WO2013/176943)
[30] US (61/650,098) 2012-05-22
[30] US (61/650,093) 2012-05-22
[30] US (61/650,077) 2012-05-22
[30] US (61/650,084) 2012-05-22
[30] US (61/726,225) 2012-11-14
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[25] EN
[54] **SUBSTITUTED PYRROLIDINES AS FACTOR XIA INHIBITORS FOR THE TREATMENT THROMBOEMBOLIC DISEASES**
[54] **PYRROLIDINES SUBSTITUEES COMME INHIBITEURS DU FACTEUR XIA POUR LE TRAITEMENT DE MALADIES THROMBOEMBOLIQUES**
[72] IMAGAWA, AKIRA, JP
[72] KONDO, TAKASHI, JP
[72] NISHIYAMA, TAIHEI, JP
[72] COURTNEY, STEVE, GB
[72] YARNOLD, CHRIS, GB
[72] ICHIHARA, OSAMU, GB
[72] FLANAGAN, STUART, GB
[73] ONO PHARMACEUTICAL CO., LTD.,
[85] 2014-11-19
[86] 2013-05-23 (PCT/EP2013/060650)
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[30] GB (1209138.5) 2012-05-24

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[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **PROSTHETIC MITRAL VALVE**
[54] **VALVULE MITRALE PROSTHETIQUE**
[72] RAANANI, EHUD, IL
[72] ORLOV, BORIS, IL
[72] HARARI, BOAZ, IL
[72] MEIRI, ODED, IL
[72] ROZITSKY, LICHEN, IL
[73] TEL HASHOMER MEDICAL RESEARCH INFRASTRUCTURE AND SERVICES LTD.,
[85] 2014-11-18
[86] 2013-05-20 (PCT/IL2013/050432)
[87] (WO2013/175468)
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[51] **Int.Cl. C01B 32/05 (2017.01) C01B 32/00 (2017.01)**
[25] EN
[54] **METHOD FOR PRODUCING CARBON MATERIAL USING CATALYST, AND CARBON MATERIAL**
[54] **PROCEDE DE PRODUCTION DE MATERIAU CARBONE AU MOYEN D'UN CATALYSEUR ET MATERIAU CARBONE**
[72] KYOTANI, MUTSUMASA, JP
[72] AKAGI, KAZUO, JP
[72] KIMURA, SHINICHI, JP
[73] NIPPON PAPER INDUSTRIES CO., LTD.,
[85] 2014-12-03
[86] 2013-06-05 (PCT/JP2013/065579)
[87] (WO2013/183668)
[30] JP (2012-128253) 2012-06-05

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[25] FR
[54] **THERMALLY EXPANDABLE RUBBER COMPOSITION AND VEHICLE TYRE THE TREAD OF WHICH CONTAINS SUCH A COMPOSITION**
[54] **COMPOSITION DE CAOUTCHOUC THERMO-EXPANSIBLE ET PNEUMATIQUE POUR VEHICULE DONT LA BANDE DE ROULEMENT COMPORTE UNE TELLE COMPOSITION**
[72] OCHIAI, CHIKA, JP
[72] PAGANO, SALVATORE, JP
[73] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN,
[73] MICHELIN RECHERCHE ET TECHNIQUE S.A.,
[85] 2014-12-03
[86] 2013-06-18 (PCT/EP2013/062585)
[87] (WO2013/189912)
[30] FR (1255922) 2012-06-22

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[51] **Int.Cl. C08G 63/78 (2006.01) C08G 63/183 (2006.01) C12P 7/18 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING POLYBUTYLENE TEREPHTHALATE**
[54] **PROCEDE DE PRODUCTION DE POLYTEREPHTALATE DE BUTYLENE**
[72] UTSUNOMIYA, MASARU, JP
[72] IZAWA, YUSUKE, JP
[72] KONISHI, NORIKAZU, JP
[72] MATSUZONO, SHINICHIRO, JP
[72] SUZUKI, TAKAYUKI, JP
[72] JAPS, MICHAEL, US
[72] BURK, MARK, US
[72] CLARK, WARREN, US
[73] GENOMATICA, INC.,
[73] MITSUBISHI CHEMICAL CORPORATION,
[85] 2014-12-04
[86] 2013-06-03 (PCT/JP2013/065365)
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[30] JP (2012-128064) 2012-06-05

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[51] **Int.Cl. F01D 25/18 (2006.01)**
[25] FR
[54] **PIVOT PIN FOR A TURBINE ENGINE COMPRISING A RING FOR RECOVERING A FLOW OF LUBRICATING OIL WITH A PLURALITY OF LUBRICATING OIL DISCHARGE PORTS**
[54] **TOURILLON DE TURBOMACHINE COMPORTANT UNE COURONNE DE RECUPERATION D'UN FLUX D'HUILE DE LUBRIFICATION AVEC UNE PLURALITE D'ORIFICES D'EVACUATION D'HUILE DE LUBRIFICATION**
[72] FONTANEL, EDDY STEPHANE JOEL, FR
[72] ROSSI, GIULIANA ELISA, FR
[72] BOUILLER, PHILIPPE, FR
[72] DA COSTA, EMMANUEL, FR
[72] FOLL, JULIEN, FR
[73] SNECMA,
[85] 2014-12-11
[86] 2013-06-12 (PCT/FR2013/051377)
[87] (WO2014/001681)
[30] FR (1256173) 2012-06-28

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[25] EN
[54] **CONTINUOUS PROCESS FOR MANUFACTURING FREELY FLOWING SOLID ACIDIC P/K FERTILIZER**
[54] **PROCEDE CONTINU DE FABRICATION D'ENGRAIS P/K ACIDE SOLIDE S'ECOULANT LIBREMENT**
[72] AVIV, TALIA, IL
[72] COHEN, URI SASSON, IL
[72] ORGIL, DORON, IL
[72] AROCH, ITSIK, IL
[73] ROTEM AMFERT NEGEV LTD.,
[85] 2014-12-12
[86] 2013-06-27 (PCT/IL2013/050552)
[87] (WO2014/002098)
[30] IL (220686) 2012-06-28

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[25] EN
[54] **PLANT DERIVATIVES AS EXTENDER OILS AND BIOFILLERS IN ELASTOMERIC COMPOSITIONS**
[54] **DERIVES VEGETAUX UTILISABLES EN TANT QU'HUILES DE DILUTION ET QUE BIOCHARGES DANS DES COMPOSITIONS ELASTOMERIQUES**
[72] BASTIOLI, CATIA, IT
[72] CAPUZZI, LUIGI, IT
[72] MAGISTRALI, PAOLO, IT
[72] GESTI' GARCIA, SEBASTIA, IT
[72] VIOLA, GIAN TOMMASO, IT
[72] SAVINI, GIUSEPPE, IT
[72] BACCHELLI, FABIO, IT
[73] NOVAMONT S.P.A.,
[85] 2014-12-15
[86] 2013-06-18 (PCT/EP2013/062592)
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[30] IT (MI2012A001067) 2012-06-19

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[25] EN
[54] **CONTINUOUS PROCESS FOR MANUFACTURING A NEUTRAL GRANULAR P/K FERTILIZER**
[54] **PROCEDE CONTINU DE FABRICATION D'UN ENGRAIS GRANULAIRE NEUTRE P/K**
[72] AVIV, TALIA, IL
[72] COHEN, URI SASSON, IL
[72] ORGIL, DORON, IL
[72] AROCH, ITSIK, IL
[73] ROTEM AMFERT NEGEV LTD.,
[85] 2014-12-15
[86] 2013-06-27 (PCT/IL2013/050551)
[87] (WO2014/002097)
[30] IL (220685) 2012-06-28

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[13] C
[51] **Int.Cl. F01K 13/00 (2006.01) F01K 25/00 (2006.01) H01L 35/28 (2006.01)**
[25] EN
[54] **PROCESS PRODUCING USEFUL ENERGY FROM THERMAL ENERGY**
[54] **PROCEDE PRODUISANT UNE ENERGIE UTILE A PARTIR D'ENERGIE THERMIQUE**
[72] COHEN, YOAV, CH
[73] COHEN, YOAV,
[85] 2014-12-16
[86] 2013-07-23 (PCT/IB2013/056029)
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[30] EP (12178430.0) 2012-07-30

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[13] C
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[25] FR
[54] **SELF-SUPPORTING INTERFACE DRESSING**
[54] **PANSEMENT INTERFACE AUTOPORTE**
[72] AUGUSTE, STEPHANE, FR
[72] DANEROL, ANNE-SOPHIE, FR
[72] LABORDE, AURELIE, FR
[72] DESMAISON, NADEGE, FR
[73] LABORATOIRES URGO,
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[30] FR (1256909) 2012-07-17

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[51] **Int.Cl. B65G 47/52 (2006.01) B65G 15/30 (2006.01) B65G 47/46 (2006.01)**
[25] EN
[54] **CONVEYOR BELT WITH PUSHERS**
[54] **DISPOSITIF DE DERIVATION POUVANT ETRE NETTOYE**
[72] GUERNSEY, KEVIN W., US
[72] LEE, BRIAN R., US
[72] NAGEL, JORGE E., US
[73] LAITRAM, L.L.C.,
[85] 2014-12-17
[86] 2013-06-28 (PCT/US2013/048652)
[87] (WO2014/008135)
[30] US (61/668,182) 2012-07-05
[30] US (13/839,326) 2013-03-15

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[51] **Int.Cl. H04N 19/126 (2014.01) H04N 19/176 (2014.01) H04N 19/18 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **IMAGE CODING METHOD, IMAGE DECODING METHOD, IMAGE CODING APPARATUS, IMAGE DECODING APPARATUS, IMAGE CODING AND DECODING APPARATUS**
[54] **PROCEDE DE CODAGE D'IMAGE, PROCEDE DE DECODAGE D'IMAGE, DISPOSITIF DE CODAGE D'IMAGE, DISPOSITIF DE DECODAGE D'IMAGE, ET DISPOSITIF DE CODAGE ET DE DECODAGE D'IMAGE**
[72] TERADA, KENGO, JP
[72] SHIBAHARA, YOUJI, JP
[72] TANIKAWA, KYOKO, JP
[72] SASAI, HISAO, JP
[72] SUGIO, TOSHIYASU, JP
[72] MATSUNOBU, TORU, JP
[73] SUN PATENT TRUST,
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[86] 2013-08-08 (PCT/JP2013/004794)
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[30] US (61/697,330) 2012-09-06

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[25] EN
[54] **RAIL VEHICLE WITH ROLL STABILIZER**
[54] **VEHICULE SUR RAIL EQUIPE DE STABILISATEUR DE ROULIS**
[72] BRANDSTATTER, CHRISTIAN, AT
[72] KASERER, GERHARD, AT
[72] PLANKENSTEINER, CHRISTIAN, AT
[72] SUMNITSCH, MICHAEL, AT
[73] SIEMENS MOBILITY AUSTRIA GMBH,
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[86] 2013-06-25 (PCT/EP2013/063231)
[87] (WO2014/009142)
[30] AT (A50275/2012) 2012-07-09

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[25] FR
[54] **EPICYCLIC REDUCTION GEAR, NOTABLY FOR TURBOMACHINE**
[54] **REDUCTEUR A TRAIN EPICYCLOIDAL, NOTAMMENT POUR TURBOMACHINE**
[72] FERAUD, BENJAMIN, FR
[72] BECK, GUILLAUME, FR
[72] MORELLI, BORIS, FR
[72] PELTIER, JORDANE, FR
[73] HISPANO-SUIZA,
[85] 2015-02-18
[86] 2013-09-03 (PCT/FR2013/052016)
[87] (WO2014/037659)
[30] FR (1258231) 2012-09-04

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[13] C
[51] **Int.Cl. A61B 5/145 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ASSESSING RISK ASSOCIATED WITH A GLUCOSE STATE**
[54] **SYSTEME ET PROCEDE POUR L'EVALUATION DU RISQUE ASSOCIE A UNE GLYCEMIE**
[72] DUKE, DAVID L., US
[72] SONI, ABHISHEK S., US
[73] F. HOFFMANN-LA ROCHE AG,
[85] 2015-03-02
[86] 2013-10-01 (PCT/EP2013/070412)
[87] (WO2014/053466)
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[51] **Int.Cl. F16H 57/04 (2010.01) F02C 7/06 (2006.01) F16H 57/08 (2006.01)**
[25] FR
[54] **SPEED-REDUCING UNIT HAVING AN EPICYCLIC GEAR TRAIN, IN PARTICULAR FOR A TURBINE ENGINE**
[54] **REDUCTEUR A TRAIN EPICYCLOIDAL, NOTAMMENT POUR TURBOMACHINE**
[72] FERAUD, BENJAMIN, FR
[73] HISPANO-SUIZA,
[85] 2015-02-27
[86] 2013-08-29 (PCT/FR2013/051992)
[87] (WO2014/037652)
[30] FR (1258230) 2012-09-04

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[13] C
[51] **Int.Cl. A61B 6/03 (2006.01) G06T 7/10 (2017.01) G06T 7/136 (2017.01) A61B 6/12 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATED DETECTION OF LUNG NODULES IN MEDICAL IMAGES**
[54] **SYSTEME ET PROCEDE DE DETECTION AUTOMATISEE DE NODULES PULMONAIRES DANS DES IMAGES MEDICALES**
[72] BROWN, MATTHEW S., US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA,
[85] 2015-03-06
[86] 2013-03-07 (PCT/US2013/029646)
[87] (WO2014/042678)
[30] US (61/700,592) 2012-09-13

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[13] C
[51] **Int.Cl. F02C 7/275 (2006.01)**
[25] FR
[54] **METHOD AND SYSTEM FOR STARTING AN AIRCRAFT TURBOENGINE**
[54] **PROCEDE ET SYSTEME DE DEMARRAGE D'UN TURBOMOTEUR D'AERONEF**
[72] HARRIET, PIERRE, FR
[72] MARIN, JEAN PHILIPPE JACQUES, FR
[73] TURBOMECA,
[85] 2015-03-05
[86] 2013-08-27 (PCT/FR2013/051977)
[87] (WO2014/037649)
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[13] C
[51] **Int.Cl. A61G 5/08 (2006.01) A61G 5/02 (2006.01)**
[25] EN
[54] **A REAR STEER PORTABLE WHEELCHAIR**
[54] **FAUTEUIL ROULANT PORTATIF A DIRECTION ARRIERE**
[72] THOMPSON, PETER JAMES, NZ
[73] THOMPSON LAFFERTY DESIGN LIMITED,
[85] 2015-03-09
[86] 2013-09-18 (PCT/NZ2013/000169)
[87] (WO2014/046551)
[30] NZ (602506) 2012-09-18
[30] NZ (606618) 2013-02-04

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[51] **Int.Cl. C07D 295/096 (2006.01) A61K 31/495 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **NOVEL CRYSTALLINE FORM OF VORTIOXETINE HYDROBROMIDE**
[54] **NOUVELLE FORME CRISTALLINE DE BROMHYDRATE DE VORTIOXETINE**
[72] HOTTER, ANDREAS, AT
[72] ENDERS, MICHAEL, AT
[72] GRIESSER, ULRICH, AT
[73] SANDOZ AG,
[85] 2015-03-17
[86] 2013-09-18 (PCT/EP2013/069401)
[87] (WO2014/044721)
[30] EP (12185103.4) 2012-09-19

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[51] **Int.Cl. A61B 17/04 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR APPROXIMATING TISSUE**
[54] **PROCEDE ET DISPOSITIF POUR RAPPROCHER DES TISSUS**
[72] FLINT, JAMES A., US
[73] ETHICON, INC.,
[85] 2015-03-19
[86] 2013-09-18 (PCT/US2013/060308)
[87] (WO2014/052109)
[30] US (13/629,112) 2012-09-27

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[51] **Int.Cl. C09D 11/02 (2014.01) B41M 3/14 (2006.01)**
[25] EN
[54] **OXIDATIVELY DRYING INK COMPOSITIONS**
[54] **COMPOSITIONS D'ENCRE A SECHAGE PAR OXYDATION**
[72] GLASSEY, ANCA, CH
[72] LEPRINCE, CECILE, CH
[73] SICPA HOLDING SA,
[85] 2015-03-27
[86] 2013-11-12 (PCT/EP2013/073585)
[87] (WO2014/086556)
[30] EP (12196115.5) 2012-12-07

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[13] C
[51] **Int.Cl. A61B 1/247 (2006.01) A61B 1/06 (2006.01)**
[25] EN
[54] **FLUORESCENCE FILTER SPECTRUM COMPENSATION**
[54] **COMPENSATION DE SPECTRE DE FILTRE DE FLUORESCENCE**
[72] DE JOSSELIN DE JONG, ELBERT, NL
[73] INSPEKTOR RESEARCH SYSTEMS B.V.,
[85] 2015-03-31
[86] 2013-09-30 (PCT/IB2013/002791)
[87] (WO2014/053916)
[30] US (61/708,309) 2012-10-01

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[25] EN
[54] **IN SITU EXFOLIATION METHOD TO FABRICATE A GRAPHENE-REINFORCED POLYMER MATRIX COMPOSITE**
[54] **PROCEDE D'EXFOLIATION IN SITU POUR FABRIQUER UN COMPOSITE DE MATRICE POLYMERE RENFORCE PAR DU GRAPHENE**
[72] NOSKER, THOMAS, US
[72] LYNCH, JENNIFER, US
[72] HENDRIX, JUSTIN, US
[72] CHIU, GORDON, US
[72] KEAR, BERNARD, US
[72] TSE, STEPHEN, US
[73] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY,
[85] 2015-04-20
[86] 2013-03-14 (PCT/US2013/031495)
[87] (WO2014/062226)
[30] US (61/716,461) 2012-10-19

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[13] C
[51] **Int.Cl. B21D 17/02 (2006.01) B21D 22/02 (2006.01) F16J 15/06 (2006.01)**
[25] EN
[54] **METHOD FOR MACHINING SEAL-MOUNTING GROOVE IN METAL PLATE**
[54] **PROCEDE POUR L'USINAGE D'UNE CANNELURE DE MONTAGE DE JOINT DANS UNE PLAQUE METALLIQUE**
[72] KOGA, SHOTARO, JP
[72] SATO, MASAKI, JP
[73] NOK CORPORATION,
[85] 2015-04-23
[86] 2013-10-07 (PCT/JP2013/077201)
[87] (WO2014/069171)
[30] JP (2012-238981) 2012-10-30

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[51] **Int.Cl. A61F 5/451 (2006.01) A61F 5/44 (2006.01) A61J 1/00 (2006.01)**
[25] EN
[54] **CATHETER PACKAGING WITH MOVEMENT CONTROL DEVICE**
[54] **CONDITIONNEMENT DE CATHETER DOTE D'UN DISPOSITIF DE CONTROLE DE MOUVEMENT**
[72] PALMER, TIMOTHY, US
[73] CURE MEDICAL, LLC,
[86] (2891144)
[87] (2891144)
[22] 2015-05-12
[30] US (14/296,995) 2014-06-05

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[51] **Int.Cl. H04N 19/70 (2014.01) H04N 19/114 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/177 (2014.01) H04N 19/42 (2014.01)**
[25] EN
[54] **A HYBRID-RESOLUTION ENCODING AND DECODING METHOD AND A VIDEO APPARATUS USING THE SAME**
[54] **PROCEDE DE CODAGE ET DE DECODAGE A RESOLUTION HYBRIDE ET APPAREIL VIDEO UTILISANT UN TEL PROCEDE**
[72] GU, CHENCHEN, CN
[72] MAO, XUNAN, CN
[72] CHEN, JINGCHANG, CN
[72] LYU, JING, CN
[72] WANG, RONGGANG, CN
[72] XIN, BAICHENG, CN
[72] GAO, WEN, CN
[73] TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED,
[85] 2015-05-12
[86] 2013-05-21 (PCT/CN2013/075965)
[87] (WO2014/071728)
[30] CN (201210450379.7) 2012-11-12

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[13] C
[51] **Int.Cl. G01N 27/22 (2006.01)**
[25] EN
[54] **CAPACITIVE MATRIX SENSOR FOR MEASURING PERMITTIVITY OF AN OBJECT**
[54] **CAPTEUR MATRICIEL CAPACITIF POUVANT MESURER LA PERMITTIVITE D'UN OBJET**
[72] MAMIGONIANS, HRAND MAMI, GB
[73] ZEDSEN LIMITED,
[85] 2015-05-20
[86] 2012-12-07 (PCT/GB2012/000894)
[87] (WO2013/083952)
[30] GB (1121242.0) 2011-12-09
[30] US (13/410,764) 2012-03-02

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[13] C
[51] **Int.Cl. A63B 59/70 (2015.01)**
[25] EN
[54] **HOCKEY-STICK BLADE WITH TAILORED PERFORMANCE REGIONS**
[54] **LAME DE BATON DE HOCKEY AYANT DES REGIONS DE PERFORMANCE ADAPTEES**
[72] VILLAR, EDSEL PADILLA, US
[72] SNOW, MICHAEL LLOYD, US
[72] MOUNTAIN, MICHAEL, US
[73] BAUER HOCKEY LTD.,
[85] 2015-05-26
[86] 2013-11-22 (PCT/US2013/071510)
[87] (WO2014/085259)
[30] US (13/688,061) 2012-11-28

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[13] C
[51] **Int.Cl. E21B 49/08 (2006.01)**
[25] FR
[54] **PRESSURISED FLUID SAMPLER FOR MONITORING GEOLOGICAL STORAGE OF GAS**
[54] **PRELEVEUR DE FLUIDE SOUS PRESSION POUR LA SURVEILLANCE DE STOCKAGE GEOLOGIQUE DE GAZ**
[72] GARCIA, BRUNO, FR
[72] GARCIA, MIGUEL, FR
[72] FERNANDES-MARTO, CLAUDIO, FR
[72] ROUCHON, VIRGILE, FR
[73] IFP ENERGIES NOUVELLES,
[85] 2015-05-26
[86] 2013-10-31 (PCT/FR2013/052614)
[87] (WO2014/087061)
[30] FR (12/03329) 2012-12-07

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[13] C
[51] **Int.Cl. B08B 9/08 (2006.01) B08B 9/38 (2006.01)**
[25] EN
[54] **MACHINE AND METHOD FOR CONTINUOUS REMOVAL OF LABELS FROM CONTAINERS MADE OF PLASTIC MATERIALS**
[54] **MACHINE ET PROCEDE POUR LE RETRAIT CONTINU D'ETIQUETTES DE RECIPIENTS SE COMPOSANT DE MATIERES PLASTIQUES**
[72] TERUGGI, PIERGIORGIO, IT
[73] AMUT S.P.A.,
[85] 2015-05-25
[86] 2013-07-25 (PCT/IB2013/001612)
[87] (WO2014/083393)
[30] EP (12007976.9) 2012-11-27

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[13] C
[51] **Int.Cl. A63B 23/16 (2006.01) A41D 13/08 (2006.01) A41D 19/01 (2006.01) A63B 21/02 (2006.01)**
[25] EN
[54] **GLOVES FOR ADJUSTING AND CONTROLLING RESISTANCE TO HAND MOVEMENT, AND RELATED METHODS THEREOF**
[54] **GANTS SERVANT A AJUSTER ET CONTROLER LA RESISTANCE AU MOUVEMENT DE LA MAIN ET METHODES ASSOCIEES**
[72] MARRIOTT, DEAN R., CA
[73] MARRIOTT, DEAN R.,
[73] SAWCHUK, DANIEL A.,
[73] CHEUNG, JONATHAN AARON,
[86] (2893041)
[87] (2893041)
[22] 2015-05-20

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[11] **2,897,695**
[13] C
[51] **Int.Cl. B67D 7/54 (2010.01) B67D 7/42 (2010.01)**
[25] EN
[54] **DISPENSING NOZZLE WITH FLUID RECAPTURE**
[54] **PISTOLET DE DISTRIBUTION A RECUPERATION DE FLUIDE**
[72] GRAY, JOHN M., US
[72] GARRISON, TIMOTHY M., US
[72] LAUBER, MATTHEW R., US
[72] SCHUBERT, HAROLD M., US
[73] OPW FUELING COMPONENTS, LLC,
[85] 2015-07-08
[86] 2014-02-11 (PCT/US2014/015667)
[87] (WO2014/126873)
[30] US (13/764,997) 2013-02-12

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[13] C
[51] **Int.Cl. C07C 319/24 (2006.01) C07C 321/00 (2006.01) C10G 19/08 (2006.01)**
[25] EN
[54] **PROCESS FOR OXIDIZING ONE OR MORE THIOL COMPOUNDS**
[54] **PROCEDE D'OXYDATION D'UN OU PLUSIEURS COMPOSES THIOL**
[72] TERTEL, JONATHAN ANDREW, US
[72] KARAGIC, JASNA, US
[72] TRUCKO, JESSY E., US
[73] UOP LLC,
[85] 2015-07-09
[86] 2014-02-07 (PCT/US2014/015191)
[87] (WO2014/130261)
[30] US (13/770,155) 2013-02-19

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[13] C
[51] **Int.Cl. G01G 3/14 (2006.01)**
[25] EN
[54] **IMPROVED LOAD CELL**
[54] **CELLULE DE CHARGE AMELIOREE**
[72] JOHNSON, THOMAS H., US
[73] ILLINOIS TOOL WORKS INC.,
[85] 2015-07-13
[86] 2014-03-03 (PCT/US2014/019991)
[87] (WO2014/149632)
[30] US (13/839,664) 2013-03-15

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[13] C
[51] **Int.Cl. B32B 15/095 (2006.01) B29C 45/14 (2006.01) C09D 175/04 (2006.01) C09D 201/00 (2006.01)**
[25] EN
[54] **COATED SHAPED METAL MATERIAL**
[54] **MATERIAU METALLIQUE FACONNE REVETU**
[72] MORIKAWA, SHIGEYASU, JP
[72] NAKANO, TADASHI, JP
[72] YAMAMOTO, MASAYA, JP
[73] NISSHIN STEEL CO., LTD.,
[85] 2015-07-17
[86] 2013-11-25 (PCT/JP2013/006918)
[87] (WO2015/044988)
[30] JP (2013-204251) 2013-09-30

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[13] C
[51] **Int.Cl. A61B 5/0205 (2006.01) A61B 5/0402 (2006.01) A61B 5/0408 (2006.01)**
[25] EN
[54] **PHYSIOLOGICAL MONITORING DEVICE**
[54] **DISPOSITIF DE SURVEILLANCE PHYSIOLOGIQUE**
[72] PARK, SHENA H., US
[72] BAHNEY, TIMOTHY J., US
[72] SEPULVEDA, GENARO S., US
[72] HO, HUNG H., US
[72] DAY, MARK J., US
[72] TAMURA, YURIKO, US
[73] IRHYTHM TECHNOLOGIES, INC.,
[85] 2015-07-17
[86] 2014-01-23 (PCT/US2014/012749)
[87] (WO2014/116825)
[30] US (61/756,326) 2013-01-24

[11] **2,899,118**
[13] C
[51] **Int.Cl. A61B 5/04 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **COMPUTER-AIDED LOCALIZATION OF SITE OF ORIGIN OF CARDIAC ACTIVATION WITH DISCRIMINATOR LEADS**
[54] **LOCALISATION ASSISTEE PAR ORDINATEUR DE SITE D'ORIGINE D'ACTIVATION CARDIAQUE A L'AIDE DES SONDES DE DISCRIMINATION**
[72] SAPP, JOHN LEWIS, JR., CA
[72] HORACEK, BOHUMIL MILAN, CA
[73] DALHOUSIE UNIVERSITY,
[85] 2015-07-23
[86] 2014-01-24 (PCT/CA2014/050050)
[87] (WO2014/113892)
[30] US (61/756,266) 2013-01-24

[11] **2,899,125**
[13] C
[51] **Int.Cl. H01M 4/131 (2010.01) H01M 4/1391 (2010.01) C01G 45/02 (2006.01)**
[25] EN
[54] **IMPROVED LITHIUM MANGANESE OXIDE COMPOSITIONS**
[54] **COMPOSITIONS DE LITHIUM-OXYDE DE MANGANESE AMELIOREES**
[72] STORY, PHILLIP M., US
[72] JEGADEN, LAURIE I., US
[73] EMD ACQUISITION LLC,
[85] 2015-07-23
[86] 2013-02-01 (PCT/US2013/024284)
[87] (WO2014/120238)

[11] **2,903,158**
[13] C
[51] **Int.Cl. G06T 7/10 (2017.01) G06N 20/00 (2019.01) G06K 9/62 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR LEARNING-ENHANCED ATLAS-BASED AUTO-SEGMENTATION**
[54] **PROCEDE ET APPAREIL DESTINES A L'AUTO-SEGMENTATION BASEE SUR L'ATLAS AMELIOREE PAR L'APPRENTISSAGE**
[72] HAN, XIAO, US
[73] ELEKTA, INC.,
[85] 2015-08-31
[86] 2014-02-12 (PCT/US2014/015952)
[87] (WO2014/133756)
[30] US (13/782,154) 2013-03-01

[11] **2,903,950**
[13] C
[51] **Int.Cl. H01G 11/04 (2013.01) H01G 11/70 (2013.01) H01M 12/00 (2006.01)**
[25] FR
[54] **ASYMMETRIC SUPERCAPACITOR WITH ALKALINE ELECTROLYTE COMPRISING A THREE-DIMENSIONAL NEGATIVE ELECTRODE AND METHOD FOR PRODUCING SAME**
[54] **SUPERCONDENSATEUR ASYMETRIQUE A ELECTROLYTE ALCALIN COMPORTANT UNE ELECTRODE NEGATIVE TRIDIMENSIONNELLE ET SON PROCEDE DE FABRICATION**
[72] CHEVALIER, STEPHANIE, FR
[72] DENDARY, MELANIE, FR
[72] BERNARD, PATRICK, FR
[73] SAFT,
[85] 2015-09-03
[86] 2014-03-07 (PCT/EP2014/054445)
[87] (WO2014/135678)
[30] FR (1352108) 2013-03-08

[11] **2,904,423**
[13] C
[51] **Int.Cl. A61B 17/16 (2006.01) A61B 17/17 (2006.01)**
[25] EN
[54] **MEDICAL TOOL SYSTEM FOR A BONE JOINT**
[54] **SYSTEME D'OUTIL MEDICAL POUR UNE ARTICULATION**
[72] BALZARINI, AMOS, DE
[73] WALDEMAR LINK GMBH & CO. KG,
[85] 2015-09-08
[86] 2014-01-16 (PCT/EP2014/050797)
[87] (WO2014/135293)
[30] EP (13157855.1) 2013-03-05

[11] **2,904,635**
[13] C
[51] **Int.Cl. E03C 1/26 (2006.01)**
[25] EN
[54] **LEVEL ENTRY SHOWER SYSTEM**
[54] **SYSTEME DE DOUCHE A ENTREE A NIVEAU**
[72] PHILLIPS, GARY R., US
[73] PHILLIPS, GARY R.,
[85] 2015-09-08
[86] 2014-03-14 (PCT/US2014/028645)
[87] (WO2014/144298)
[30] US (61/792,428) 2013-03-15

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[13] C
[51] **Int.Cl. A61K 31/513 (2006.01) A61K 38/12 (2006.01) A61P 31/00 (2006.01)**
[25] EN
[54] **COMBINATION COMPRISING ZIDOVUDINE AND POLYMYXIN**
[54] **COMBINAISON COMPRENANT DE LA ZIDOVUDINE ET DE LA POLYMYXINE**
[72] HU, YANMIN, GB
[72] COATES, PROFESSOR ANTHONY, GB
[73] HELPERBY THERAPEUTICS LIMITED,
[85] 2015-09-14
[86] 2014-03-20 (PCT/GB2014/050878)
[87] (WO2014/147405)
[30] GB (1305277.4) 2013-03-22

[11] **2,907,456**
[13] C
[51] **Int.Cl. E21B 47/13 (2012.01) H04W 4/12 (2009.01) G08C 17/02 (2006.01)**
[25] EN
[54] **ELECTROMAGNETIC COMMUNICATIONS SYSTEM AND METHOD FOR A DRILLING OPERATION**
[54] **SYSTEME ET PROCEDE DE COMMUNICATIONS ELECTROMAGNETIQUES DESTINES A UNE OPERATION DE FORAGE**
[72] SWITZER, DAVID, CA
[72] LIU, JILI, CA
[72] XU, MINGDONG, CA
[72] KAZEMI, MOJTABA, CA
[72] LOGAN, AARON W., CA
[73] EVOLUTION ENGINEERING INC.,
[85] 2015-09-17
[86] 2014-03-24 (PCT/CA2014/050305)
[87] (WO2014/153657)
[30] US (61/806,217) 2013-03-28

[11] **2,914,300**
[13] C
[51] **Int.Cl. C23C 2/00 (2006.01) C23C 2/18 (2006.01) C23C 2/20 (2006.01)**
[25] EN
[54] **INSTALLATION FOR HOT DIP COATING A METAL STRIP COMPRISING AN ADJUSTABLE CONFINEMENT BOX**
[54] **INSTALLATION POUR LE REVETEMENT PAR IMMERSION A CHAUD D'UNE BANDE METALLIQUE COMPORTANT UNE BOITE DE CONFINEMENT AJUSTABLE**
[72] SCHWANDER, PETER, DE
[72] WENDT, AXEL, DE
[72] STEFFEN, ANDREAS, DE
[72] ST RAYMOND, HUBERT, FR
[72] MONNOYER, MAXIME, BE
[72] BENOIT, JULIEN, FR
[72] MATAIGNE, JEAN MICHEL, FR
[72] DURIGHELLO, PAUL, FR
[73] ARCELORMITTAL,
[85] 2015-12-03
[86] 2014-06-10 (PCT/IB2014/062092)
[87] (WO2014/199292)
[30] IB (PCT/IB2013/054750) 2013-06-10

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[54] **MESURE D'UTILISATION DE BANDE-ANNONCE EN TEMPS REEL**
[72] GROBLE, MICHAEL E., US
[72] LAKSHMINARAYANAN, KARTHIK, US
[72] O'CONNELL, KEVIN J., US
[72] TASKIRAN, CUNEYT M., US
[72] WILLIAMS, JAY J., US
[73] SYMBOL TECHNOLOGIES, LLC,
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[54] **DISTRIBUTEURS A STADES MULTIPLES**
[72] KING, JOSEPH A., US
[73] KING TECHNOLOGY,
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[54] **FISHING TRAP RUNNER**
[54] **DOUBLURE DE PIEGE A POISSONS**
[72] FERGUSON, KENT, CA
[73] FERGUSON, KENT,
[86] (2917309)
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[25] EN
[54] **SYSTEMS AND METHODS FOR COMPREHENSIVE MULTI-ASSAY TISSUE ANALYSIS**
[54] **SYSTEMES ET METHODES D'ANALYSE TISSULAIRE MULTIPLE ET EXHAUSTIVE**
[72] CHUKKA, SRINIVAS, US
[72] SARKAR, ANINDYA, US
[72] BREDNO, JOERG, US
[73] VENTANA MEDICAL SYSTEMS, INC.,
[85] 2016-02-12
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[54] **APPARATUS AND METHOD FOR MONITORING MELT STREAM WITHIN A FIBERIZING APPARATUS**
[54] **APPAREIL ET PROCEDE DE SURVEILLANCE DU FLUX EN FUSION A L'INTERIEUR D'UN DISPOSITIF DE FIBERISATION**
[72] TRDIC, FRANCELJ, SI
[72] TRDIC, MIHA, SI
[73] IZOTEH D.O.O.,
[85] 2016-02-26
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[25] EN
[54] **DETECTION OF CORROSION RATES IN PROCESS PIPING AND VESSELS**
[54] **DETECTION DE TAUX DE CORROSION DANS DES TUYAUX ET DES RECIPIENTS DE TRAITEMENT**
[72] KUMARAN, KRISHNAN, US
[72] SCHILOWITZ, ALAN MARK, US
[72] WOLF, HENRY ALAN, US
[73] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY,
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[25] EN
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[54] **REDUCTION D'ESPACEMENT ISOLANTE ELECTRIQUEMENT DESTINEE A UN TRAIN DE TIGES**
[72] SWITZER, DAVID A., CA
[72] LOGAN, AARON W., CA
[72] LIU, JILI (JERRY), CA
[72] KAZEMI MIRAKI, MOJTABA, CA
[73] EVOLUTION ENGINEERING INC.,
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[54] **COMPOSE STIMULANT LE COLLAGENE ET L'ELASTINE ET COMPOSITIONS TOPIQUES COMPRENANT UN TEL COMPOSE**
[72] VAN TILBORG, REINER, LU
[73] JOVENTIS S.A.,
[85] 2016-03-11
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[54] **RAILROAD HOPPER CAR DOOR OPERATING MECHANISM**
[54] **MECANISME DE FONCTIONNEMENT DE PORTE DE WAGON-TREMIE**
[72] GALVAN, GUADALUPE L., US
[72] GAYDOS, CHRISTOPHER C., US
[72] WHITE, STEVE R., US
[72] WENZEL, ERIC F., US
[73] POWERBRACE CORPORATION,
[73] MINER ENTERPRISES, INC.,
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[54] **PADDLEWHEEL DEVICE FOR GENERATING HYDROELECTRIC ENERGY**
[54] **DISPOSITIF DE ROUE A AUBES SERVANT A GENERER DE L'ENERGIE HYDROELECTRIQUE**
[72] VAN ROMPAY, BOUDEWIJN GABRIEL, US
[73] VAN ROMPAY, BOUDEWIJN GABRIEL,
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[54] **PROCEDE DE FABRICATION DE COMPOSANT DE FENETRE DE VEHICULE ET COMPOSANT DE FENETRE DE VEHICULE**
[72] ZHOU, JUN, CN
[72] HU, JIANHONG, CN
[73] SAINT-GOBAIN GLASS FRANCE,
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[25] EN
[54] **FILTRATION MEMBRANE COMPRISING COATED MICROPOROUS MATERIAL OF POLYOLEFIN AND PARTICULATE SILICA**
[54] **MEMBRANE DE FILTRAGE COMPORTANT UN MATERIAU MICROPOREUX ENDUIT DE POLYOLEFINE ET DE PARTICULES DE SILICE**
[72] GUO, QUNHUI, US
[72] KNOX, CAROL L., US
[72] DUFFY, SHAWN P., US
[72] PARRINELLO, LUCIANO M., US
[72] PARISE, NICHOLAS J., US
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[73] PPG INDUSTRIES OHIO, INC.,
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[54] **METHOD OF IMMOBILIZING A CELL ON A SUPPORT USING COMPOUNDS COMPRISING A POLYETHYLENE GLYCOL MOIETY**
[54] **PROCEDE PERMETTANT D'IMMOBILISER UNE CELLULE SUR UN SUPPORT AU MOYEN DE COMPOSES CONTENANT UNE FRACTION DE POLYETHYLENE GLYCOL**
[72] JOSEL, HANS-PETER, DE
[72] HEINDL, DIETER, DE
[72] FROEHLICH, THOMAS, DE
[72] FROEHNER, STEFANIE, DE
[73] F. HOFFMANN-LA ROCHE AG,
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[54] **TEXTURE ANALYSIS OF A COATED SURFACE USING ELECTROSTATICS CALCULATIONS**
[54] **ANALYSE DE TEXTURE D'UNE SURFACE REVETUE UTILISANT DES CALCULS D'ELECTROSTATIQUE**
[72] NORRIS, ALISON M., US
[73] PPG INDUSTRIES OHIO, INC.,
[85] 2016-05-06
[86] 2014-11-10 (PCT/US2014/064786)
[87] (WO2015/070134)
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[25] EN
[54] **STAINING REAGENTS AND OTHER LIQUIDS FOR HISTOLOGICAL PROCESSING OF BIOLOGICAL SPECIMENS AND ASSOCIATED TECHNOLOGY**
[54] **REACTIFS DE COLORATION ET AUTRES LIQUIDES POUR TRAITEMENT HISTOLOGIQUE DE SPECIMENS BIOLOGIQUES ET TECHNOLOGIE ASSOCIEE**
[72] KERNAG, CASEY A, US
[72] WILKINSON, CHAD, US
[72] KRAM, BRIAN HOWARD, US
[72] WEIDNER, CHARLES, US
[72] CHAMPION, DANIEL, US
[72] DURRANT, EDWARD, US
[72] POLASKE, MELINDA, US
[72] WOSINSKA, ZOFIA, US
[72] OROSZ, KRISTINA, US
[72] BARNETT, HEIDI, US
[73] VENTANA MEDICAL SYSTEMS, INC.,
[85] 2016-06-02
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[25] EN
[54] **METHODS AND SYSTEMS FOR CREATING A DATA-DRIVEN ATTRIBUTION MODEL FOR ASSIGNING ATTRIBUTION CREDIT TO A PLURALITY OF EVENTS**
[54] **PROCEDES ET SYSTEMES SERVANT A CREER UN MODELE D'ATTRIBUTION PILOTE PAR DES DONNEES PERMETTANT D'ATTRIBUER UN CREDIT D'ATTRIBUTION A UNE PLURALITE D'EVENEMENTS**
[72] LITTLE, RICHARD EDWARD, US
[72] KEE, WILLIAM PATRICK, US
[72] BIDYUK, BOZHENA, US
[72] CAI, CHAO, US
[72] BARNEY, DAVID EARL, US
[72] SCHNABL, STEFAN, US
[72] HUANG, JOHN CHIH CHANG, US
[72] JACKSON, TODD MORRIS, US
[72] ZHAO, XIAOSA, US
[72] STEWART, JAMES EDWARD, US
[72] CAI, HONGXU, US
[73] GOOGLE LLC,
[85] 2016-06-03
[86] 2014-11-25 (PCT/US2014/067295)
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[54] **APPARATUS AND METHODS FOR PRODUCTION ADDITIVE MANUFACTURING**
[54] **APPAREIL ET METHODE DE FABRICATION D'ADDITIF DE PRODUCTION**
[72] SHAW, MARK, US
[72] BARNHART, DAVID RICHARD, US
[72] REDDEN, RONALD, US
[72] ANDERSON, THEODORE, US
[72] MORRIS, GREGORY MUSTER, US
[73] GENERAL ELECTRIC COMPANY,
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[25] EN
[54] **SYSTEM AND METHOD FOR LOCAL THREE DIMENSIONAL VOLUME RECONSTRUCTION USING A STANDARD FLUOROSCOPE**
[54] **SYSTEME ET METHODE DE RECONSTRUCTION DE VOLUME TRIDIMENSIONNEL LOCAL AU MOYEN D'UN FLUOROSCOPE STANDARD**
[72] WEINGARTEN, OREN P., IL
[72] BARAK, RON, IL
[73] COVIDIEN LP,
[86] (2937825)
[87] (2937825)
[22] 2016-08-03
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[54] **RESERVOIR A TOIT OUVERT DOTE DE DIFFUSEURS EN TANDEM**
[72] SEIFERT, JAROD JAMES, US
[72] KIRKHAMMER, KENT, US
[73] NEWKOTA SERVICES AND RENTALS, LLC,
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[54] **FLUID APPLICATION DEVICE HAVING A NOZZLE WITH INDIVIDUALLY METERED ORIFICE OR ORIFICES**
[54] **DISPOSITIF D'APPLICATION DE FLUIDE AYANT UNE BUSE COMPRENANT UN OU PLUSIEURS ORIFICES DE DOSAGE INDIVIDUELS**
[72] LESSLEY, MEL STEVEN, US
[73] ILLINOIS TOOL WORKS INC.,
[85] 2016-09-21
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[25] EN
[54] **MELANOGENESIS INHIBITOR COMPRISING D-PANTOTHENYL ALCOHOL AND ONE OR MORE PLANT EXTRACTS, AND SKIN-WHITENING COSMETIC COMPRISING THE SAME**
[54] **INHIBITEURS DE MELANOGENESE COMPRENANT DE L'ALCOOL D-PANTOTHENYL ET UN OU PLUSIEURS EXTRAITS VEGETAUX ET PRODUIT COSMETIQUE BLANCHISSANT LA PEAU EN REFERMANT**
[72] KONDO, CHIHIRO, JP
[72] SASSA, SHOKO, JP
[72] SAITOH, YUKO, JP
[72] MORI, YASUHITO, JP
[72] YOKOYAMA, KOUJI, JP
[73] POLA CHEMICAL INDUSTRIES, INC.,
[85] 2016-09-30
[86] 2015-04-02 (PCT/JP2015/060519)
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[54] **AUTOMATIC CHROMA KEY BACKGROUND GENERATOR WITH INCIDENT KEY LIGHTING**
[54] **GENERATEUR D'ARRIERE-PLAN PAR INCRUSTATION DE COULEUR AUTOMATIQUE**
[72] HOCHMAN, JEREMY, US
[73] PRODUCTION RESOURCE GROUP, L.L.C.,
[85] 2016-10-03
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[87] (WO2015/156799)
[30] US (14/248,212) 2014-04-08

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[51] **Int.Cl. B23K 26/382 (2014.01)**
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[54] **LASER AUGMENTED DIAMOND DRILLING APPARATUS AND METHOD**
[54] **APPAREIL DE FORAGE AU DIAMANT AUGMENTE PAR LASER ET METHODE**
[72] PATTEN, JOHN A., US
[72] MOHAMMADI, HOSSEIN, US
[73] THE BOARD OF TRUSTEES OF WESTERN MICHIGAN UNIVERSITY,
[86] (2946973)
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[25] EN
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[54] **DISTRIBUTION AUTOMATISEE DE SERVICES DE CONSTRUCTION DE PUITS DE FORAGE**
[72] DASHEVSKIY, DMITRIY, US
[73] BAKER HUGHES INCORPORATED,
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[25] EN
[54] **AUTOMATED CONFLICT RESOLUTION MANAGEMENT**
[54] **GESTION DE RESOLUTION DE CONFLIT AUTOMATISE**
[72] DASHEVSKIY, DMITRIY, US
[73] BAKER HUGHES INCORPORATED,
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[25] EN
[54] **THERMAL WALL ANCHOR**
[54] **ANCRAGE MURAL THERMIQUE**
[72] HOHMANN, RONALD P., JR., US
[73] MITEK HOLDINGS, INC.,
[86] (2948795)
[87] (2948795)
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[25] EN
[54] **METHOD AND EQUIPMENT FOR ESTABLISHING MILLIMETRE CONNECTION**
[54] **PROCEDE ET EQUIPEMENT POUR ETABLIR UNE CONNEXION MILLIMETRIQUE**
[72] CAI, TAO, SE
[72] SALMI, JUSSI, SE
[72] LUNDQVIST, HENRIK, SE
[73] HUAWEI TECHNOLOGIES CO., LTD.,
[85] 2016-11-14
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[25] EN
[54] **LOCK DEVICE HAVING POSITION SENSOR**
[54] **DISPOSITIF DE VERROUILLAGE A CAPTEUR DE POSITION**
[72] KINCAID, RYAN C., US
[72] FOCKE, GABRIEL D., US
[72] TELLJOHANN, BRIAN A., US
[72] RETTIG, RAYMOND F., US
[72] DEXTER, MATTHEW, US
[72] RAYBURN, RYNE, US
[73] SCHLAGE LOCK COMPANY LLC,
[85] 2016-11-14
[86] 2015-05-13 (PCT/US2015/030625)
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[30] US (61/992,698) 2014-05-13
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[51] **Int.Cl. H04L 29/08 (2006.01) H04L 12/713 (2013.01) H04L 12/855 (2013.01) H04L 12/865 (2013.01)**
[25] EN
[54] **PROVIDING ROUTER INFORMATION ACCORDING TO A PROGRAMMATIC INTERFACE**
[54] **FOURNITURE D'INFORMATIONS DE ROUTEURS CONFORMEMENT A UNE INTERFACE PROGRAMMATIQUE**
[72] OWEIS, MARWAN SALAH EL-DIN, US
[72] CULLEN, PATRICK BRIGHAM, US
[73] AMAZON TECHNOLOGIES, INC.,
[85] 2016-11-23
[86] 2015-05-29 (PCT/US2015/033219)
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[30] US (14/290,680) 2014-05-29

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[25] EN
[54] **SYSTEM, METHOD AND APPARATUS FOR PATTERNED CEILING SUSPENSION**
[54] **SYSTEME, PROCEDE ET APPAREIL POUR SUSPENSION DE PLAFOND A MOTIFS**
[72] BOYD, ALAN LANE, US
[73] THE GRID COMPANY LLC,
[86] (2950282)
[87] (2950282)
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[62] 2,762,691
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[25] EN
[54] **JELLY-LIKE MEDICINAL COMPOSITION OF POTASSIUM IODIDE**
[54] **COMPOSITION D'IODURE DE POTASSIUM A USAGE THERAPEUTIQUE SE PRESENTANT SOUS LA FORME D'UNE GELEE**
[72] YOSHIZAWA, NAOKO, JP
[72] SUZUKI, SHO, JP
[73] NICHI-IKO PHARMACEUTICAL CO.,LTD.,
[85] 2016-11-29
[86] 2015-02-09 (PCT/JP2015/053536)
[87] (WO2016/021215)
[30] JP (2014-163146) 2014-08-08

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[25] EN
[54] **SYSTEM AND METHOD FOR CULTIVATING PLANTS**
[54] **SYSTEME ET PROCEDE POUR CULTIVER DES PLANTES**
[72] HEIDL, JEREMY, US
[72] MUTH, JIM, US
[73] RACKREIT, LLC,
[85] 2016-12-05
[86] 2015-06-08 (PCT/US2015/034640)
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[25] EN
[54] **OPTICAL BEAM CONDITIONING DEVICE WITH COHERENCE-BREAKING AND BEAM TRANSFORMING MODULES**
[54] **DISPOSITIF DE CONDITIONNEMENT DE FAISCEAU OPTIQUE DOTE DE MODULES DE BRIS DE COHERENCE ET DE TRANSFORMATION DE FAISCEAU**
[72] DOUCET, MICHEL, CA
[72] BERGERON, ALAIN, CA
[72] MARCHESE, LINDA, CA
[73] INSTITUT NATIONAL D'OPTIQUE,
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[25] EN
[54] **METALLIC FLOOR BOX WITH NON-METALLIC RISER WITH FLANGE**
[54] **BOITE DE PARQUET METALLIQUE AVEC PLATE-FORME SURELEVEE NON METALLIQUE POURVUE D'UNE COLLERETTE**
[72] CARBONE, CHRISTOPHER A., US
[72] DRECHSLER, DALE A., US
[72] SCANZILLO, THOMAS L., US
[73] HUBBELL INCORPORATED,
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[54] **BENZOXAZINONE AMIDES AS MINERALOCORTICOID RECEPTOR MODULATORS**
[54] **AMIDES DE BENZOXAZINONE COMME MODULATEURS DU RECEPTEUR DES MINERALCORTICOIDES**
[72] O'MAHONY, GAVIN, SE
[72] KOSSENJANS, MICHAEL, SE
[72] EDMAN, KARL, SE
[72] KAJANUS, JOHAN, SE
[72] HOGNER, CARL ANDERS, SE
[72] CORNWALL, PHILIP, GB
[72] TURNER, ANDREW, GB
[73] ASTRAZENECA AB,
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[54] **INTERFERENCE CANCELLATION APPARATUS AND METHOD**
[54] **DISPOSITIF ET PROCEDE D'ANNULATION D'INTERFERENCES**
[72] LIU, SHENG, CN
[72] CHEN, TEYAN, CN
[73] HUAWEI TECHNOLOGIES CO., LTD.,
[85] 2016-12-23
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[25] EN
[54] **METHOD FOR PRODUCING A NITRIDED PACKAGING STEEL**
[54] **PROCEDE POUR LA FABRICATION D'UN ACIER D'EMBALLAGE AZOTE**
[72] KAUP, BURKHARD, DE
[72] MASSICOT, BLAISE, DE
[72] MATUSCH, DIRK, DE
[73] THYSSENKRUPP AG,
[73] THYSSENKRUPP RASSELSTEIN GMBH,
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[54] **CARTON WITH REINFORCED HANDLE**
[54] **CARTON DOTE DE POIGNEE RENFORCEE**
[72] HOLLEY, JOHN MURDICK, JR., US
[73] GRAPHIC PACKAGING INTERNATIONAL, LLC,
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[54] **MONOLITHIC RETAINING WALL**
[54] **MUR DE SOUTENEMENT MONOLITHIQUE**
[72] SIMONSON, ROBERT, CA
[73] EXCEL PROJECT MANAGEMENT LTD.,
[86] (2955890)
[87] (2955890)
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[54] **CONCEPT FOR SWITCHING OF SAMPLING RATES AT AUDIO PROCESSING DEVICES**
[54] **CONCEPT DE COMMUTATION DE TAUX D'ECHANTILLONNAGE DANS DES DISPOSITIFS DE TRAITEMENT AUDIO**
[72] DOHLA, STEFAN, DE
[72] FUCHS, GUILLAUME, DE
[72] GRILL, BERNHARD, DE
[72] MULTRUS, MARKUS, DE
[72] PIETRZYK, GRZEGORZ, DE
[72] RAVELLI, EMMANUEL, DE
[72] SCHNELL, MARKUS, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V.,
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[54] **POROUS MEDIUM EXTRACTION SYSTEM, POROUS MEDIUM SENSOR ASSEMBLY AND POROUS MEDIUM INFILTROMETER**
[54] **SYSTEME D'EXTRACTION DE MILIEU POREUX, DISPOSITIF DE CAPTEUR DE MILIEU POREUX ET INFILTROMETRE DE MILIEU POREUX**
[72] CARON, JEAN, CA
[73] EDAPHIS INC.,
[86] (2957950)
[87] (2957950)
[22] 2017-02-15
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[25] EN
[54] **TUNING BEHAVIOR ENHANCEMENT**
[54] **AMELIORATION DU COMPORTEMENT DE SYNTHONISATION**
[72] WANG, YEQING, US
[72] ZHANG, YAXI, US
[73] ARRIS ENTERPRISES LLC,
[86] (2958982)
[87] (2958982)
[22] 2017-02-24
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[25] EN
[54] **DIFFUSED FLEXIBLE LED LINEAR LIGHT ASSEMBLY**
[54] **DISPOSITIF D'ECLAIRAGE A DEL LINEAIRE FLEXIBLE DIFFUSE**
[72] HOEK, STEVE, US
[72] MEYERS, SCOTT, US
[72] CAMAROTA, MICHAEL V., US
[73] ITC INCORPORATED,
[86] (2959316)
[87] (2959316)
[22] 2017-02-28
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[25] EN
[54] **ARRANGEMENT FOR, AND METHOD OF, ANALYZING WIRELESS LOCAL AREA NETWORK (WLAN) FIELD COVERAGE IN A VENUE**
[54] **ARRANGEMENT DE RESEAU LOCAL SANS FIL, METHODE ASSOCIEE, ANALYSE DE COUVERTURE DE CHAMP DE RESEAU LOCAL SANS FIL DANS UN EVENEMENT**
[72] SHATIL, OHAD, US
[72] FRANZO, ROBERT T., US
[72] RITTENI, GIOVANNI P., US
[73] SYMBOL TECHNOLOGIES, LLC,
[86] (2960210)
[87] (2960210)
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[25] EN
[54] **BEVERAGE DISPENSER**
[54] **DISTRIBUTEUR DE BOISSON**
[72] REGE, EVAN CHRISTOPHER, US
[72] HUFF, SHAWN LELAND, US
[72] SONNICHSEN, BRIAN EDWARD, US
[73] GROWLERWERKS, INC.,
[85] 2017-03-08
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[87] (WO2016/040362)
[30] US (62/047,594) 2014-09-08
[30] US (62/085,228) 2014-11-26
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[25] FR
[54] **SUPPORTS FOR GROWING AN ORGANISM, USES OF SAID SUPPORTS AND GROWING AND PURIFICATION METHODS USING THESE SUPPORTS**
[54] **SUPPORTS POUR CULTIVER UN ORGANISME, UTILISATIONS DESDITS SUPPORTS ET METHODES DE CULTURE ET D'EPURATION UTILISANT CES SUPPORTS**
[72] HUBERT, YOHAN, FR
[73] SOUS LES FRAISES SAS,
[85] 2017-03-17
[86] 2016-03-04 (PCT/EP2016/054710)
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[25] EN
[54] **MULTI-SCALE FIDUCIALS**
[54] **REPERES MULTI-ECHELLE**
[72] KELSO, CARL RYAN, US
[72] SCHOENBERG, YVES CHRISTIAN ALBERS, US
[72] YANG, JAMES, US
[73] AMAZON TECHNOLOGIES, INC.,
[85] 2017-03-20
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[25] EN
[54] **CAMERA CALIBRATION METHOD USING A CALIBRATION TARGET**
[54] **METHODE D'ETALONNAGE DE CAMERA AU MOYEN D'UNE CIBLE D'ETALONNAGE**
[72] CLAVEAU, FABIEN, CA
[72] SAMSON, ERIC, CA
[72] CADORET, YANNICK, CA
[72] PREVOST, DONALD, CA
[72] ST-LAURENT, LOUIS, CA
[72] MIKHNEVICH, MAXIM, CA
[73] INSTITUT NATIONAL D'OPTIQUE,
[86] (2961921)
[87] (2961921)
[22] 2017-03-23
[30] US (62/314,580) 2016-03-29

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[54] **VALVED CONDUIT**
[54] **CONDUIT A CLAPET**
[72] ARMSTRONG, JOSEPH R., US
[72] BENNETT, NATHAN L., US
[72] COLAVITO, KYLE W., US
[72] FIELD, EDWIN W., US
[73] W.L. GORE & ASSOCIATES, INC.,
[85] 2017-03-21
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[87] (WO2016/061113)
[30] US (62/063,353) 2014-10-13
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[51] **Int.Cl. G01N 21/51 (2006.01) G01N 21/03 (2006.01) G01N 21/59 (2006.01)**
[25] EN
[54] **APPARATUS FOR OPTICAL INSPECTION OF SMALL VOLUMES OF LIQUID SAMPLE AND CUVETTES THEREFOR**
[54] **APPAREIL POUR L'INSPECTION OPTIQUE DE PETITS VOLUMES D'ECHANTILLON LIQUIDE ET CUVETTES A CET EFFET**
[72] LANGHOFF, BRIAN REUBEN, US
[72] FOX, WILLIAM ALAN, US
[72] SMITH, KERRY LYNN, US
[73] BD KIESTRA B.V.,
[85] 2017-03-23
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[25] EN
[54] **DEVICES AND METHODS FOR RECEIVING A DATA FILE IN A COMMUNICATION SYSTEM**
[54] **DISPOSITIFS ET METHODES DE RECEPTION D'UN FICHIER DE DONNEES DANS UN SYSTEME DE COMMUNICATION**
[72] NATARAHJAN, HARISH, US
[72] JOHNSON, GRAEME PETER, US
[72] MCDONALD, DANIEL J., US
[73] MOTOROLA SOLUTIONS, INC.,
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[25] EN
[54] **TRANSMISSION DEVICE WITH MODE DIVISION MULTIPLEXING AND METHODS FOR USE THEREWITH**
[54] **DISPOSITIF DE TRANSMISSION PAR MULTIPLEXAGE MODAL ET PROCEDES D'UTILISATION ASSOCIES**
[72] HENRY, PAUL SHALA, US
[72] BENNETT, ROBERT, US
[72] GERSZBERG, IRWIN, US
[72] BARZEGAR, FARHAD, US
[72] BARNICKEL, DONALD J., US
[72] WILLIS, THOMAS M., III, US
[73] AT&T INTELLECTUAL PROPERTY I, L.P.,
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[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATMENT OF BONE DEFECTS WITH PLACENTAL CELL POPULATIONS**
[54] **METHODES ET COMPOSITIONS DESTINEES AU TRAITEMENT DE DEFAUTS OSSEUX AU MOYEN DE POPULATIONS DE CELLULES PLACENTAIRES**
[72] ABRAMSON, SASCHA DAWN, US
[72] GUELAKIS, MARIAN, US
[72] HEIDARAN, MOHAMMAD A., US
[72] LABAZZO, KRISTEN, US
[72] YACCOBY, SHMUEL, US
[73] CELULARITY, INC.,
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[54] **JOINT FILLING PROFILE**
[54] **PROFIL DE REMPLISSAGE DE JOINT**
[72] WIEGRINK, STEFAN, DE
[73] SK WIEGRINK BETEILIGUNGS GMBH,
[86] (2966467)
[87] (2966467)
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[25] EN
[54] **HIGH TOUGHNESS AND HIGH TENSILE STRENGTH THICK STEEL PLATE WITH EXCELLENT MATERIAL HOMOGENEITY AND PRODUCTION METHOD FOR SAME**
[54] **FEUILLE D'ACIER EPAISSE, HAUTE DURETE, HAUTE TENACITE AYANT UNE EXCELLENTE UNIFORMITE DE MATIERE ET SON PROCEDE DE FABRICATION**
[72] KURONUMA, YOTA, JP
[72] OHTSUBO, HIROFUMI, JP
[72] KITSUYA, SHIGEKI, JP
[72] ICHIMIYA, KATSUYUKI, JP
[72] HASE, KAZUKUNI, JP
[73] JFE STEEL CORPORATION,
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[86] 2015-11-17 (PCT/JP2015/005726)
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[51] **Int.Cl. B23K 9/133 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS TO PROVIDE A CONSISTENT ELECTRODE STATE FOR WELDING**
[54] **METHODES ET APPAREIL PERMETTANT DE FOURNIR UN ETAT D'ELECTRODE CONSTANT POUR LE SOUDAGE**
[72] BROCK, MAXWELL, US
[72] HUTCHISON, RICHARD MARTIN, US
[72] BATZLER, TODD GERALD, US
[72] MEHN, PETER, US
[73] ILLINOIS TOOL WORKS INC.,
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[87] (2967068)
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[54] **CARBON MONOXIDE OXIDATION DEVICE**
[54] **DISPOSITIF D'OXYDATION DE MONOXYDE DE CARBONE**
[72] EKDUNGE, PER, SE
[72] GHIRELLI, FEDERICO, SE
[72] TOFTEFORS, IDA, SE
[73] POWERCELL SWEDEN AB,
[85] 2017-05-15
[86] 2015-12-02 (PCT/SE2015/051302)
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[54] **BRAKE CYLINDER DUST COVER AND WATERPROOF BRAKE CYLINDER USING SUCH DUST COVER**
[54] **PARE-POUSSIERE DE CYLINDRE DE FREIN ET CYLINDRE DE FREIN A L'EPREUVE DE L'EAU COMPORTANT UN TEL PARE-POUSSIERE**
[72] LIU, YI, CN
[72] LI, GUO, CN
[72] XIAO, CHEN, CN
[72] SHEN, JIANHONG, CN
[72] AN, HONG, CN
[72] XIAO, WEIYUAN, CN
[72] LV, CHAO, CN
[72] QUAN, QIONG, CN
[72] DU, XIA, CN
[72] WEI, XUELI, CN
[72] SHI, YUNXIAO, CN
[72] LV, LIANG, CN
[72] ZHANG, JUNYING, CN
[72] WANG, QIN, CN
[72] WANG, KAIEN, CN
[72] MAO, FUYING, CN
[73] MEISHAN CRRC BRAKE SCIENCE & TECHNOLOGY CO., LTD.,
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[86] 2016-09-29 (PCT/CN2016/100735)
[87] (WO2017/177627)
[30] CN (2016203040999) 2016-04-13
[30] CN (2016105877324) 2016-07-25

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[25] EN
[54] **AUTOMATIC MEDICATION INJECTION DEVICE WITH AUDIBLE INDICATION OF INJECTING PROGRESS**
[54] **DISPOSITIF D'INJECTION DE MEDICAMENT AUTOMATIQUE COMPORTANT UNE INDICATION AUDIBLE DE PROGRESSION D'INJECTION**
[72] ATTERBURY, WILLIAM G., US
[72] MADLAND, STEVEN MICHAEL, US
[72] MCKENZIE, CHRISTOPHER PAUL, US
[72] MODLICH, JESSICA DIANE, US
[73] ELI LILLY AND COMPANY,
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[86] 2015-12-01 (PCT/US2015/063190)
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[25] EN
[54] **AZOLE COMPOUNDS AS CORROSION INHIBITORS**
[54] **COMPOSES D'AZOLE UTILISES EN TANT QU'INHIBITEURS DE CORROSION**
[72] MORRIS, ERIC L., US
[73] PRC-DESOTO INTERNATIONAL, INC.,
[86] (2968845)
[87] (2968845)
[22] 2014-03-13
[62] 2,906,521
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[13] C
[51] **Int.Cl. A63B 22/02 (2006.01) A61H 39/04 (2006.01) A63B 23/04 (2006.01)**
[25] EN
[54] **ACUPRESSURE WALKING MACHINE APPLYING PRESSURE TO FOOT REFLEX ZONES**
[54] **MACHINE DE MARCHE D'ACUPRESSURE APPLIQUANT UNE PRESSION SUR DES ZONES DE REFLEXE DE PIED**
[72] SHIN, HYUN-OH, KR
[73] SHIN, HYUN-OH,
[85] 2017-06-05
[86] 2015-12-08 (PCT/KR2015/013354)
[87] (WO2016/093583)
[30] KR (10-2014-0174724) 2014-12-08

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[51] **Int.Cl. F24C 7/08 (2006.01) A47J 27/62 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CONTROLLING OPERATION OF RANGE TOP COILS FOR COOKING**
[54] **METHODE ET APPAREIL DE COMMANDE DU FONCTIONNEMENT DE SERPENTINS DE CUISINIERE EN VUE DE LA CUISSON**
[72] SMITH, TODD A., US
[72] BROWN, MATTHEW H., US
[73] BROWN STOVE WORKS, INC.,
[86] (2970348)
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[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/128 (2006.01)**
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[54] **MULTIPLE-FIRING SECURING DEVICE AND METHODS FOR USING AND MANUFACTURING SAME**
[54] **DISPOSITIF DE FIXATION A DECLENCHEMENT MULTIPLE ET SES PROCEDES D'UTILISATION ET DE FABRICATION**
[72] DEVILLE, DEREK DEE, US
[72] SMITH, KEVIN W., US
[72] KIRK, MICHAEL WALTER, US
[72] RIVERA, CARLOS, US
[72] NUNEZ, GEORGE, US
[72] BALES, THOMAS O., JR., US
[72] KLINE, KOREY, US
[72] PALMER, MATTHEW A., US
[72] MCBRAYER, M. SEAN, US
[72] CARTLEDGE, RICHARD, US
[72] MENDEZ, MAX PIERRE, US
[72] DANG, KEVIN, US
[72] JANISH, BRIAN, US
[72] MIRAKI, MANOUCHEHR A., US
[72] WU, MING H., US
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[54] **GLIDER RECLINE LINKAGE WITH DOUBLE BLOCKER CAMS**
[54] **LIEN D'INCLINAISON-COULISSEMENT A CAMES A DOUBLE BLOCAGE**
[72] LAWSON, GREGORY MARK, US
[73] L & P PROPERTY MANAGEMENT COMPANY,
[86] (2974130)
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[25] EN
[54] **CEILING FAN BLADE STRUCTURE AND CEILING FAN**
[54] **STRUCTURE DE PALE DE VENTILATEUR DE PLAFOND ET VENTILATEUR DE PLAFOND**
[72] TANG, XINMIN, CN
[72] LEI, SHUISHENG, CN
[72] LIANG, YAOGUANG, CN
[73] GD MIDEA ENVIRONMENT APPLIANCES MFG CO., LTD.,
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[54] **METHOD FOR MANUFACTURING LACTIDE**
[54] **PROCEDE DE FABRICATION DE LACTIDE**
[72] GROOT, WIM JACOB, NL
[72] VAN KRIEKEN, JAN, NL
[72] DEKIC ZIVKOVIC, TANJA, NL
[72] DE HAAN, ANDRE BANIER, NL
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[54] **PATTY VENDING MACHINE**
[54] **DISTRIBUTEUR AUTOMATIQUE DE GALETTES**
[72] HASTINGS, PAUL, CA
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[25] EN
[54] **MASS SPECTROMETER INTERFACE**
[54] **INTERFACE POUR SPECTROMETRE DE MASSE**
[72] JOLLIFFE, CHARLES, CA
[72] JAVAHERY, GHOLAMREZA, CA
[72] COUSINS, LISA, CA
[73] PERKINELMER HEALTH SCIENCES CANADA, INC.,
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[54] **BLOCK HAVING A TRAPEZOIDAL SHAPE**
[54] **BLOC DE FORME TRAPEZOIDALE**
[72] MACDONALD, ROBERT, US
[72] RICCOBENE, THOMAS, US
[73] KEYSTONE RETAINING WALL SYSTEMS LLC,
[85] 2017-08-21
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[25] EN
[54] **SEAL ASSEMBLIES FOR EARTH BORING DRILL BITS, DRILL BITS SO EQUIPPED, AND RELATED METHODS**
[54] **ENSEMBLES D'ETANCHEITE DE TREPANS DE FORAGE, TREPANS AINSI EQUIPES ET PROCEDES ASSOCIES**
[72] SCHRODER, JON D., US
[73] BAKER HUGHES, A GE COMPANY, LLC,
[85] 2017-08-24
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[54] **MODULAR LIDAR SYSTEM**
[54] **SYSTEME LIDAR MODULAIRE**
[72] LINDSKOG, JON LEWIS, US
[72] MARKS, ROBERT TODD, US
[72] PINGREE, LIAM STEWART CAVANAUGH, US
[73] AMAZON TECHNOLOGIES, INC.,
[85] 2017-08-24
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[54] **POLYMER-TYPE FLUORESCENT MOLECULE PROBE**
[54] **SONDE MOLECULAIRE FLUORESCENTE DE TYPE POLYMERE**
[72] MAEDA, HIROSHI, JP
[72] HASHIZUME, MAKOTO, JP
[72] FANG, JUN, JP
[72] NAKAMURA, HIDEAKI, JP
[72] QIN, HAIBO, CN
[72] HACKBARTH, STEFFEN, DE
[72] MURATA, MASAHARU, JP
[73] MAEDA, HIROSHI,
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[25] EN
[54] **TOLL-LIKE RECEPTOR MODULATING 4,6-DIAMINO-PYRIDO[3,2-D]PYRIMIDINE COMPOUNDS**
[54] **COMPOSES 4,6-DIAMINO-PYRIDO[3,2-D]PYRIMIDINE MODULATEURS DU RECEPTEUR DE TYPE TOLL**
[72] AKTOUDIANAKIS, EVANGELOS, US
[72] CHIN, GREGORY, US
[72] MACKMAN, RICHARD, L., US
[72] METOBO, SAMUEL, E., US
[72] MISH, MICHAEL, R., US
[72] PYUN, HYUNG-JUNG, US
[72] ZABLOCKI, JEFF, US
[73] GILEAD SCIENCES, INC.,
[85] 2017-08-29
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[54] **ENCAPSULATED NANOCOMPOSITIONS FOR INCREASING HYDROCARBON RECOVERY**
[54] **NANOCOMPOSITIONS ENCAPSULEES POUR AUGMENTER LA RECUPERATION D'HYDROCARBURES**
[72] CHANG, YUN, SA
[73] SAUDI ARABIAN OIL COMPANY,
[85] 2017-09-13
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[54] **IMPLANT PEG WITH MULTIPLE COMPONENTS**
[54] **ANCRAGE D'IMPLANT A COMPOSANTES MULTIPLES**
[72] DHILLON, BRAHAM K., US
[72] FREE, DANIEL E., US
[72] LUNA, RAMON, US
[73] WRIGHT MEDICAL TECHNOLOGY, INC.,
[85] 2017-09-21
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[25] EN
[54] **AUTOCLAVE TOLERANT BATTERY POWERED MOTORIZED SURGICAL HAND PIECE TOOL AND MOTOR CONTROL METHOD**
[54] **OUTIL DE PIECE A MAIN CHIRURGICAL, MOTORISE ET ALIMENTE PAR BATTERIE SUPPORTANT L'AUTOCLAVE ET PROCEDE DE COMMANDE DE MOTEUR**
[72] MACDONALD, ALISTAIR M., US
[72] SIEH, JOHN K., US
[72] DECESARE, MICHAEL J., US
[72] KIENMAN, RICHARD E., US
[72] GONZALEZ, DAVID, US
[72] MEDERO, RICHARD, US
[73] CONMED CORPORATION,
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[54] **BURNER, COMBUSTION DEVICE, BOILER, AND BURNER CONTROL METHOD**
[54] **BRULEUR, DISPOSITIF DE COMBUSTION, CHAUDIERE, ET PROCEDE DE COMMANDE DE BRULEUR**
[72] KIYAMA, KENJI, JP
[72] ICHINOSE, TOSHIMITSU, JP
[72] SHIMOGORI, MIKI, JP
[72] MINE, TOSHIHIKO, JP
[72] YAMAMOTO, KENJI, JP
[72] TANAKA, RYUICHIRO, JP
[72] BABA, AKIRA, JP
[72] KURAMASHI, KOJI, JP
[72] FUJIMURA, KOUTARO, JP
[72] MATSUMOTO, KEIGO, JP
[73] MITSUBISHI HITACHI POWER SYSTEMS, LTD.,
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[25] EN
[54] **AXIAL SWAGE TOOL**
[54] **OUTIL DE SERTISSAGE AXIAL**
[72] SURESH, SRINIVAS B., US
[73] AEROFIT, LLC,
[85] 2017-10-31
[86] 2016-05-02 (PCT/US2016/030370)
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[54] **ELECTRICAL BOX BAR HANGER**
[54] **SUPPORT DE BARRE DE COFFRET ELECTRIQUE**
[72] LALANCETTE, DANIEL, CA
[73] THOMAS & BETTS INTERNATIONAL LLC,
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[25] FR
[54] **ELEMENT FOR GRIPPING AN ITEM OF SPORTS EQUIPMENT**
[54] **ELEMENT DE PREHENSION D'UN EQUIPEMENT SPORTIF**
[72] ESTEVES, OLIVIER, FR
[73] GYMNOVA,
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[54] **ANCRAGES DE MUR**
[72] WILL, GARY E., US
[72] GRICE, BYRON K., US
[72] MALOTT, DALE G., US
[73] THE HILLMAN GROUP, INC.,
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[86] 2016-06-28 (PCT/US2016/039722)
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[54] **ECLAIRAGE, ECLAIRAGE DE JOUR, ET SYSTEME DE CHAUFFAGE, VENTILATION ET CLIMATISATION INTEGRES, A FAIBLE CONSOMMATION D'ENERGIE, AVEC VERRE ELECTROCHROME**
[72] CASCIA, MARK A., US
[73] SIEMENS INDUSTRY, INC.,
[85] 2017-11-09
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[51] **Int.Cl. G01N 21/88 (2006.01)**
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[54] **BREAKING DETECTION DEVICE AND METHOD FOR DUMBBELL PIN CONNECTED TO MIDDLE TROUGH**
[54] **APPAREIL ET PROCEDE DE DETECTION DE RUPTURE DE BROCHE EN FORME D'HALTERE DE COUPLAGE DE RAINURE CENTRALE**
[72] ZHANG, XING, CN
[72] ZHU, ZHENCAI, CN
[72] LI, WEI, CN
[72] WANG, PING, CN
[72] ZHOU, GONGBO, CN
[72] CAO, GUOHUA, CN
[72] PENG, YUXING, CN
[72] LIU, SONGYONG, CN
[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY,
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[25] EN
[54] **METHOD FOR OPERATING A MOTORIZED ROLLER SHADE**
[54] **PROCEDE D'ACTIONNEMENT D'UN STORE A ENROULEMENT AUTOMATIQUE MOTORISE**
[72] MULLET, WILLIS JAY, US
[72] BRUNK, DARRIN W., US
[72] WYSOCZYNSKI, CHRISTOPHER LEE, US
[72] ASBURY, HARRY EDWARD, US
[72] HAND, RICHARD SCOTT, US
[72] RODRIGUEZ, YAN, US
[72] BRUCKNER, BENJAMIN ANTHONY, US
[73] THE WATT STOPPER, INC.,
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[25] EN
[54] **CONDUCTIVE METAL MELTING FURNACE, CONDUCTIVE METAL MELTING FURNACE SYSTEM EQUIPPED WITH SAME, AND CONDUCTIVE METAL MELTING METHOD**
[54] **FOUR DE FUSION DE METAL CONDUCTEUR, SYSTEME A FOUR DE FUSION DE METAL CONDUCTEUR POURVU DE CE DERNIER ET PROCEDE DE FUSION DE METAL CONDUCTEUR**
[72] TAKAHASHI, KENZO, JP
[73] TAKAHASHI, KENZO,
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[86] 2016-05-31 (PCT/JP2016/066055)
[87] (WO2016/194910)
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[54] **KERATOPROSTHESIS AND USES THEREOF**
[54] **KERATOPROTHESE ET UTILISATIONS DE CELLE-CI**
[72] LITVIN, GILAD, IL
[73] CORNEAT VISION LTD,
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[25] EN
[54] **FLEXIBLE ASSEMBLY FOR SPRINKLERS**
[54] **ENSEMBLE FLEXIBLE POUR GICLEURS D'INCENDIE**
[72] STEMPO, JONN, US
[72] SZENTIMREY, RUDOLPH, US
[72] THAU, LAWRENCE W., US
[73] VICTAULIC COMPANY,
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[25] EN
[54] **SURGE SUPPRESSION SYSTEM FOR MEDIUM AND HIGH VOLTAGE**
[54] **SYSTEME DE SUPPRESSION DE SURTENSION POUR MOYENNE ET HAUTE TENSION**
[72] MOORE, DARYL, US
[72] YARUSSO, JON, US
[73] ASATOR GLOBAL TECHNOLOGIES LLC,
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[86] 2015-06-11 (PCT/US2015/035305)
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[25] EN
[54] **CENTRIFUGAL FAN ROTOR AND APPARATUS INCORPORATING THE CENTRIFUGAL FAN ROTOR**
[54] **ROTOR DE VENTILATEUR CENTRIFUGE ET APPAREIL INCORPORANT LE ROTOR DE VENTILATEUR CENTRIFUGE**
[72] CAVKUSIC, DAMIR, US
[72] RICHARD, BEN, US
[72] LEACH, MICHAEL, US
[72] LEE, MITCHELL, US
[73] CRARY INDUSTRIES, INC.,
[86] (2988738)
[87] (2988738)
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[30] US (15/376,824) 2016-12-13

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[25] EN
[54] **RAILCAR WITH PROGRESSIVE OPENING LONGITUDINAL GATES**
[54] **WAGON A PORTES LONGITUDINALES A OUVERTURE PROGRESSIVE**
[72] HUCK, KENNETH W., US
[73] TRINITY NORTH AMERICAN FREIGHT CAR, INC.,
[86] (2988886)
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[54] **APPARATUS AND METHOD FOR SECURING RAILCAR DOORS**
[54] **APPAREIL ET METHODE DE FIXATION DE PORTES DE WAGON**
[72] CENCER, ROBERT J., US
[73] TRINITY NORTH AMERICAN FREIGHT CAR, INC.,
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[51] **Int.Cl. E05D 15/24 (2006.01)**
[25] EN
[54] **ROLLER SHUTTER ARRANGEMENT WITHOUT POLYGONAL EFFECT**
[54] **SYSTEME DE PORTE ENROULABLE SANS EFFET POLYGONE**
[72] LETONJE, JURIJ, SI
[72] ZUMER, JURIJ, SI
[72] MAZEJ, ANDREJ, SI
[73] EFAFLEX INZENIRING D.O.O. LJUBLJANA,
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[86] 2016-07-21 (PCT/EP2016/067419)
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[30] DE (10 2015 112 633.8) 2015-07-31

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[25] EN
[54] **METHOD AND ARCHITECTURE FOR PROVIDING DATABASE ACCESS CONTROL IN A NETWORK WITH A DISTRIBUTED DATABASE SYSTEM**
[54] **PROCEDE ET ARCHITECTURE POUR FOURNIR UNE COMMANDE D'ACCES A UNE BASE DE DONNEES DANS UN RESEAU AVEC UN SYSTEME DE BASE DE DONNEES REPARTI**
[72] DOUROS, BRYAN PHIL, US
[72] REVILAK, STEPHEN A., US
[73] AB INITIO TECHNOLOGY LLC,
[85] 2017-12-29
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[30] US (62/190,843) 2015-07-10

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[25] EN
[54] **PHENYLSULPHONAMIDE DERIVATIVES USEFUL AS AMPA RECEPTOR IMAGING AGENTS**
[54] **DERIVES DE PHENYLSULFAMIDE UTILE COMME AGENTS D'IMAGERIE D'UN RECEPTEUR AMPA**
[72] TAKAHASHI, TAKUYA, JP
[72] MIYAZAKI, TOMOYUKI, JP
[72] SUHARA, TETSUYA, JP
[72] HIGUCHI, MAKOTO, JP
[72] CHO, MEIEI, JP
[73] PUBLIC UNIVERSITY CORPORATION YOKOHAMA CITY UNIVERSITY,
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[51] **Int.Cl. C07D 285/06 (2006.01) A01N 47/36 (2006.01) A01P 21/00 (2006.01)**
[25] EN
[54] **1,2,3-THIADIAZOL-5YL-UREA DERIVATIVES, USE THEREOF FOR REGULATING PLANT SENESCENCE AND PREPARATIONS CONTAINING THESE DERIVATIVES**
[54] **DERIVES DE 1,2,3-THIADIAZOL-5YL-UREE, UTILISATION DESDITS DERIVES POUR LA REGULATION DE LA SENESCENCE DES PLANTES ET PREPARATIONS LES CONTENANT**
[72] NISLER, JAROSLAV, CZ
[72] ZATLOUKAL, MAREK, CZ
[72] SPICHAL, LUKAS, CZ
[72] KOPRNA, RADOSLAV, CZ
[72] DOLEZAL, KAREL, CZ
[72] STRNAD, MIROSLAV, CZ
[73] USTAV EXPERIMENTALNI BOTANIKY AV CR, V.V.I.,
[85] 2018-01-04
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[30] CZ (PV2014-613) 2014-09-09
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[54] **SYNTHESIS OF FLUORINATED GRAPHENE OXIDE FOR ELECTROCHEMICAL APPLICATIONS**
[54] **SYNTHESE D'OXYDE DE GRAPHENE FLUORE DESTINEE A DES APPLICATIONS EN ELECTROCHIMIE**
[72] CHEN, AICHENG, CA
[72] THIRUPPATHI, ANTONY RAJ, CA
[72] SIDHUREDDY, BOOOPATHI, CA
[73] LAKEHEAD UNIVERSITY,
[86] (2991734)
[87] (2991734)
[22] 2018-01-12
[30] US (62/446,114) 2017-01-13
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[51] **Int.Cl. G10K 11/162 (2006.01) G10K 11/168 (2006.01)**
[25] EN
[54] **ACOUSTICALLY TUNABLE SOUND ABSORPTION ARTICLES AND METHODS OF MAKING SAME**
[54] **ARTICLES D'INSONORISATION AUX CARACTERISTIQUES D'ABSORPTION DES SONS AJUSTABLES ET SES PROCEDES DE FABRICATION**
[72] BLITON, RICHARD JAMES, US
[72] GILLETTE, SAMUEL MARK, US
[72] BUECHLER, TROY RAYMOND, US
[73] PRECISION FABRICS GROUP, INC.,
[86] (2992210)
[87] (2992210)
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[30] US (12/814.022) 2010-06-11

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[51] **Int.Cl. B61D 7/02 (2006.01) B61D 7/18 (2006.01) B61D 7/24 (2006.01)**
[25] EN
[54] **RAILROAD CAR AND DOOR MECHANISM THEREFOR**
[54] **WAGON ET MECANISME DE PORTES CONNEXE**
[72] FORBES, JAMES W., CA
[72] BIS, TOMASZ, CA
[73] NATIONAL STEEL CAR LIMITED,
[86] (2992482)
[87] (2992482)
[22] 2010-01-27
[62] 2,691,259
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[51] **Int.Cl. A61M 25/04 (2006.01) A61M 1/00 (2006.01) A61M 25/00 (2006.01) A61M 27/00 (2006.01)**
[25] EN
[54] **CATHETER DEVICE AND METHOD FOR INDUCING NEGATIVE PRESSURE IN A PATIENT'S BLADDER**
[54] **DISPOSITIF DE SONDE ET PROCEDE D'INDUCTION D'UNE PRESSION NEGATIVE DANS LA VESSIE D'UN PATIENT**
[72] ERBEY, JOHN R., II, US
[72] UPPERCO, JACOB L., US
[72] FISHER, MICHAEL ALLEN, US
[72] STRANE, PATRICK WILLIAM, US
[72] BLACK, LANCE MICHAEL, US
[73] STRATACA SYSTEMS LIMITED,
[85] 2018-01-12
[86] 2016-07-20 (PCT/US2016/043101)
[87] (WO2017/015345)
[30] US (62/194,585) 2015-07-20
[30] US (62/260,966) 2015-11-30
[30] US (62/278,721) 2016-01-14
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[51] **Int.Cl. H04B 1/00 (2006.01) G01R 31/08 (2020.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR COMMUNICATING DATA IN A DIGITAL CHAOS COOPERATIVE NETWORK**
[54] **PROCEDE ET APPAREIL DE COMMUNICATION DE DONNEES DANS UN RESEAU COOPERATIF DE TRANSMISSIONS PAR CHAOS NUMERIQUE**
[72] TERRY, JOHN DAVID, US
[73] TERRY, JOHN DAVID,
[85] 2018-01-24
[86] 2016-07-18 (PCT/US2016/042785)
[87] (WO2017/069821)
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[54] **TONER COMPOSITIONS AND PROCESSES**
[54] **COMPOSITIONS D'ENCRE SECHE ET PROCEDES**
[72] SACRIPANTE, GUERINO G., CA
[72] WANG, YULIN, CA
[72] VEREGIN, RICHARD P. N., CA
[73] XEROX CORPORATION,
[86] (2994706)
[87] (2994706)
[22] 2018-02-12
[30] US (15/440578) 2017-02-23

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[25] EN
[54] **METHOD FOR DETERMINING POROSITY ASSOCIATED WITH ORGANIC MATTER IN A WELL OR FORMATION**
[54] **PROCEDE POUR DETERMINER LA POROSITE ASSOCIEE A LA MATIERE ORGANIQUE DANS UN PUITS OU UNE FORMATION**
[72] WALLS, JOEL, US
[72] MORCOTE, ANYELA, US
[72] MU, YAOMING, US
[72] GANZ, MARCUS, US
[73] INGRAIN, INC.,
[85] 2018-02-06
[86] 2016-09-06 (PCT/US2016/050340)
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[30] US (62/219,363) 2015-09-16

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[25] EN
[54] **DETECTION WHILE DRILLING (DWD) APPARATUS AND METHOD FOR LITHOLOGICAL COMPOSITION OF ROADWAY ROOF**
[54] **APPAREIL DE DETECTION PENDANT LE FORAGE ET METHODE DE COMPOSITION LITHOLOGIQUE DE DESSUS DE ROUTE**
[72] ZHENG, XIGUI, CN
[72] AN, TIELIANG, CN
[72] ZHANG, NONG, CN
[72] LIU, CANCAN, CN
[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY,
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[54] **LYSOSOMAL STORAGE DISEASE ENZYME**
[54] **ENZYME DES MALADIES LYSOSOMALES**
[72] QUINN, ANTHONY, US
[72] HARVEY, ALEX J., US
[73] ALEXION PHARMACEUTICALS, INC.,
[86] (2995446)
[87] (2995446)
[22] 2011-04-23
[62] 2,796,607
[30] US (61/343,177) 2010-04-23
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[25] EN
[54] **TREATMENT OF PORTAL HYPERTENSION AND RESTORATION OF LIVER FUNCTION USING L-ORNITHINE PHENYLACETATE**
[54] **TRAITEMENT DE L'HYPERTENSION PORTALE ET RESTAURATION DE LA FONCTION HEPATIQUE AU MOYEN DE PHENYLACETATE DE L-ORNITHINE**
[72] JALAN, RAJIV, GB
[72] ANDERSON, KEITH, US
[73] UCL BUSINESS PLC,
[73] OCERA THERAPEUTICS, INC.,
[86] (2997484)
[87] (2997484)
[22] 2010-06-08
[62] 2,764,587
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[25] EN
[54] **L-ORNITHINE PHENYL ACETATE AND METHODS OF MAKING THEREOF**
[54] **ACETATE DE PHENYLE L-ORNITHINE ET SES PROCEDES DE FABRICATION**
[72] ANDERSON, KEITH, US
[72] BEHLING, JIM, US
[72] DOUGAN, CHRISTINE HENDERSON, GB
[72] WATT, STEPHEN WILLIAM, GB
[72] MANINI, PETER, CH
[72] FIGINI, ATTILIA, CH
[73] OCERA THERAPEUTICS, INC.,
[86] (2998434)
[87] (2998434)
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[25] EN
[54] **A METHOD OF FORMING GROUPS OF SMOKING ARTICLES**
[54] **PROCEDE DE FORMATION DE GROUPES D'ARTICLES A FUMER**
[72] ARREDONDO, LUCIO, MX
[73] BRITISH AMERICAN TOBACCO MEXICO, S.A. DE C.V.,
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[86] 2015-09-29 (PCT/GB2015/052823)
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[25] EN
[54] **CHAIN SAW AND METHOD FOR CONTROLLING MOVEMENTS OF GUIDE BAR THEREIN**
[54] **SCIE A CHAINE ET PROCEDE DE COMMANDE DE MOUVEMENTS DE BARRE DE GUIDAGE A L'INTERIEUR DE CELLE-CI**
[72] HUTTUNEN, MARKKU, FI
[72] KOHIO, TONI, FI
[72] KAATRASALO, TERO, FI
[72] GARCIA, MARTIN, UY
[73] PONSSE OYJ,
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[86] 2016-09-28 (PCT/FI2016/050676)
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[25] EN
[54] **AGGRE-DRY RETRO-FIT SYSTEM**
[54] **SYSTEME DE READAPTATION D'INSTALLATION DE DESHYDRATATION D'AGGREGAT**
[72] SQUIRES, FRANK, US
[72] BROWN, JEREMY, US
[72] AFRANK, CHRIS, US
[73] SUPERIOR INDUSTRIES, INC.,
[86] (2999455)
[87] (2999455)
[22] 2016-02-18
[62] 2,921,329
[30] US (14/632,747) 2015-02-26

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[51] **Int.Cl. C07C 5/48 (2006.01) C07C 7/11 (2006.01) C07C 11/167 (2006.01)**
[25] EN
[54] **PROCESSES AND APPARATUSES FOR PRODUCTION OF BUTADIENE**
[54] **PROCEDES ET APPAREILS POUR LA PRODUCTION DE BUTADIENE**
[72] BLOMMEL, JEANNIE M., US
[72] LUEBKE, CHARLES P., US
[72] MAAT, CLIFFORD A., US
[73] UOP LLC,
[85] 2018-03-21
[86] 2016-09-23 (PCT/US2016/053547)
[87] (WO2017/053870)
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[25] EN
[54] **THREE-DIMENSIONAL RISK MAPS**
[54] **CARTES DE RISQUES TRIDIMENSIONNELLES**
[72] SLUSAR, MARK, US
[73] ALLSTATE INSURANCE COMPANY,
[85] 2018-03-21
[86] 2016-09-21 (PCT/US2016/052877)
[87] (WO2017/053422)
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[51] **Int.Cl. C22C 38/04 (2006.01) B21D 22/20 (2006.01) C22C 38/02 (2006.01) C23C 2/06 (2006.01)**
[25] EN
[54] **GALVANIZED STEEL SHEET FOR HOT PRESSING AND METHOD FOR PRODUCING HOT PRESSED MOLDED ARTICLE**
[54] **TOLE D'ACIER GALVANISE POUR PRESSAGE A CHAUD ET PROCEDE DE PRODUCTION D'UN ARTICLE MOULE PRESSE A CHAUD**
[72] OTOMO, RYOSUKE, JP
[72] TAKEDA, MIKAKO, JP
[73] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.),
[85] 2018-03-23
[86] 2016-09-29 (PCT/JP2016/078814)
[87] (WO2017/057570)
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[54] **SINGLE BOLT SHAFT CLAMP**
[54] **ARBRE DE PINCE A BOULON UNIQUE**
[72] GLOVER, JIM, US
[73] KARSTEN MANUFACTURING CORPORATION,
[85] 2018-04-03
[86] 2016-09-30 (PCT/US2016/054997)
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[51] **Int.Cl. E04G 17/06 (2006.01)**
[25] EN
[54] **ANCHOR, CASING ARRANGEMENT WITH TWO CASING ELEMENTS ARRANGED AT A DISTANCE FROM EACH OTHER, METHOD FOR PRODUCING THE CASING ARRANGEMENT**
[54] **ANCRAGE, DISPOSITION DE LOGEMENT COMPORTANT DEUX ELEMENTS DE LOGEMENT SEPARES L'UN DE L'AUTRE, METHODE DE PRODUCTION DE LA DISPOSITION DE LOGEMENT**
[72] DINGLER, GERHARD, DE
[72] SCHILLE, RICK, DE
[72] SCHOTT, JEAN-LUC, FR
[73] MEVA SCHALUNGS-SYSTEME GMBH,
[86] (3001243)
[87] (3001243)
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[51] **Int.Cl. G02B 1/04 (2006.01) G02B 1/12 (2006.01) G02C 7/04 (2006.01)**
[25] EN
[54] **CONTACT LENS WITH SURFACE MODIFICATION AND THE METHOD FOR ITS PREPARATION**
[54] **VERRE DE CONTACT PRESENTANT UNE MODIFICATION DE SURFACE ET SA METHODE DE PREPARATION**
[72] LAI, YU-CHIN, CN
[72] LIN, MING-NAN, CN
[72] YEH, MIN-TZUNG, CN
[72] LIAO, YA-HSUAN, CN
[73] PEGAVISION CORPORATION,
[86] (3001408)
[87] (3001408)
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[25] EN
[54] **FLUID FILTRATION DEVICE AND SYSTEM**
[54] **DISPOSITIF ET SYSTEME DE FILTRATION DE FLUIDE**
[72] BONANO, SAMANTHA, US
[72] PEPE, GREGORY, US
[72] SHVETSOV, KYRYLO, US
[73] BUFFALO FILTER LLC,
[85] 2018-04-11
[86] 2016-10-14 (PCT/US2016/057238)
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[51] **Int.Cl. A61K 9/20 (2006.01)**
[25] EN
[54] **ENHANCED ABUSE-DETERRENT FORMULATIONS OF OXYCODONE**
[54] **FORMULATIONS D'OXYCODONE ANTI-ABUS AMELIOREES**
[72] BANERJEE, SIDDHARTHA, US
[72] SHAH, NAVNIT H., US
[72] PATEL, GAURANG, US
[72] BOMMANA, MURALI MOHAN, US
[72] CHATTERJI, ASHISH, US
[72] KUMAR, ANITA, US
[72] INBAR, PETRA, US
[72] LIU, FURONG, US
[72] KONE, SRINIVAS, US
[72] JAGANI, PRITI L., US
[72] PHUAPRADIT, WANTANEE, US
[73] KASHIV BIOSCIENCES, LLC,
[85] 2018-04-23
[86] 2016-10-21 (PCT/US2016/058256)
[87] (WO2017/070566)
[30] US (62/245,651) 2015-10-23

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[25] EN
[54] **PROCESS FOR CONVERSION OF ACYCLIC C5 COMPOUNDS TO CYCLIC C5 COMPOUNDS AND CATALYST COMPOSITION FOR USE THEREIN**
[54] **PROCEDE DE CONVERSION DE COMPOSES C5 ACYCLIQUES EN COMPOSES C5 CYCLIQUES ET COMPOSITION CATALYTIQUE POUR UTILISATION DANS CELUI-CI**
[72] IACCINO, LARRY L., US
[72] BEDARD, JEREMY W., US
[72] STROHMAIER, KARL G., US
[72] MERTENS, MACHTELD M. W., BE
[72] CARR, ROBERT T., US
[72] CHENG, JANE C., US
[73] EXXONMOBIL CHEMICAL PATENTS INC.,
[85] 2018-05-03
[86] 2016-10-07 (PCT/US2016/056023)
[87] (WO2017/078897)
[30] US (62/250,681) 2015-11-04
[30] EP (16153721.2) 2016-02-02

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[51] **Int.Cl. C07C 2/52 (2006.01) B01D 53/047 (2006.01) B01D 61/00 (2006.01) B01D 63/00 (2006.01) B01J 29/44 (2006.01) C07C 13/15 (2006.01) C07C 13/61 (2006.01)**
[25] EN
[54] **PROCESS AND SYSTEM FOR MAKING CYCLOPENTADIENE AND/OR DICYCLOPENTADIENE**
[54] **PROCEDE ET SYSTEME DE FABRICATION DE CYCLOPENTADIENE ET/OU DE DICYCLOPENTADIENE**
[72] IACCINO, LARRY L., US
[72] LEUNG, KEVIN, CN
[73] EXXONMOBIL CHEMICAL PATENTS INC.,
[85] 2018-05-03
[86] 2016-10-07 (PCT/US2016/056041)
[87] (WO2017/078903)
[30] US (62/250,702) 2015-11-04
[30] EP (16153729.5) 2016-02-02

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[25] EN
[54] **MAGNETIC CONNECTING MEMBER, IN PARTICULAR FOR PIPE FLANGES**
[54] **ELEMENT DE LIAISON MAGNETIQUE, EN PARTICULIER POUR DES BRIDES DE TUYAU**
[72] CUBER, PETR, CZ
[72] PULLMANOVA, MONIKA, CZ
[73] CUBER, PETR,
[85] 2018-04-18
[86] 2016-10-20 (PCT/CZ2016/050038)
[87] (WO2017/067531)
[30] CZ (PV 2015-747) 2015-10-23

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[51] **Int.Cl. H01R 12/58 (2011.01) H01R 43/16 (2006.01)**
[25] EN
[54] **PLUG-IN CONTACT AND METHOD FOR PRODUCING A PLUG-IN CONTACT**
[54] **CONTACT A INSERER ET FABRICATION D'UN CONTACT A INSERER**
[72] GESKE, RALF, DE
[73] PHOENIX CONTACT GMBH & CO. KG,
[85] 2018-05-10
[86] 2016-11-10 (PCT/EP2016/077335)
[87] (WO2017/081194)
[30] DE (10 2015 119 473.2) 2015-11-11

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[51] **Int.Cl. A22C 21/00 (2006.01)**
[25] EN
[54] **WING-CUTTING APPARATUS AND METHOD FOR SEVERING WINGS OR WING PARTS**
[54] **DISPOSITIF DE DECOUPE D'AILES ET PROCEDE DE SEPARATION DES AILES OU DE PARTIES DES AILES**
[72] VEEN, TIM ANDRIES, NL
[72] GERRITSEN, JOHANNES CORNELIS, NL
[72] POLMAN, RUDI THEODORUS MARIA, NL
[73] LINCO FOOD SYSTEMS A/S,
[85] 2018-05-11
[86] 2017-02-08 (PCT/EP2017/052727)
[87] (WO2017/137426)
[30] EP (16155538.8) 2016-02-12

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[51] **Int.Cl. B01D 46/00 (2006.01) B01D 46/10 (2006.01) B01D 46/12 (2006.01) B01D 46/52 (2006.01)**
[25] EN
[54] **SUPPORT MEMBERS FOR FILTER PLEATED MEDIA**
[54] **ELEMENTS DE SUPPORT POUR MATERIAU FILTRANT PLISSE**
[72] POON, WAI, US
[72] PINGRY, RYDER WILLIAM, US
[72] CHIKWEM, CHINEDU DAVID, US
[73] W.L. GORE & ASSOCIATES, INC.,
[85] 2018-05-11
[86] 2016-11-11 (PCT/US2016/061502)
[87] (WO2017/083628)
[30] US (62/255,205) 2015-11-13

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[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01C 1/00 (2006.01) A01H 1/02 (2006.01) A01H 1/04 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X95M212**
[54] **MAIS HYBRIDE X95M212**
[72] BARKER, THOMAS CHARLES, US
[72] BRENNER, EVERTON ALEN, US
[72] CABRAL, CANDIDA BRAGA, US
[72] SZALMA, STEPHEN JOSEPH, US
[72] WEBER, GERHARD P., US
[72] YU, JIANBIN, US
[73] PIONEER HI-BRED INTERNATIONAL, INC.,
[86] (3005409)
[87] (3005409)
[22] 2018-05-18
[30] US (15/924,718) 2018-03-19

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[13] C
[51] **Int.Cl. B60G 23/00 (2006.01) E01C 23/01 (2006.01) G06F 7/00 (2006.01) G06F 7/02 (2006.01) G07C 5/00 (2006.01) G07C 5/08 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF DETERMINING ROAD QUALITY**
[54] **SYSTEMES ET PROCEDES DE DETERMINATION DE LA QUALITE D'UNE ROUTE**
[72] WALKER, MARY AMELIA, US
[72] CATRON, ROBERT, US
[72] VAUGHAN, BRIAN, US
[72] LU, HUNG JUNG, US
[73] FREEPORT-MCMORAN INC.,
[85] 2018-05-22
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[54] **SUPPORT BASE FOR A CHILD SAFETY SEAT**
[54] **BASE DE SUPPORT DESTINEE A UN SIEGE DE SECURITE POUR ENFANT**
[72] ANDERSON, SCOTT, US
[72] HARTENSTINE, CURTIS M., US
[72] BOWERS, PATRICK J.G., US
[73] WONDERLAND SWITZERLAND AG,
[86] (3007156)
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[54] **METHOD FOR CONTROLLING A WIND TURBINE**
[54] **PROCEDE DE COMMANDE D'UNE EOLIENNE**
[72] DE BOER, WOLFGANG, DE
[73] WOBBEN PROPERTIES GMBH,
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[25] EN
[54] **68GE/68GA GENERATOR**
[54] **GENERATEUR 68GE/68GA**
[72] JERNSTROM, JUSSI, DE
[72] ZHERNOSEKOV, KONSTANTIN, DE
[72] TOTSKIY, YURY, DE
[72] HARFENSTELLER, MARK, DE
[72] MECKEL, MARIAN, DE
[73] ITM ISOTOPEN TECHNOLOGIEN MUNCHEN AG,
[85] 2018-06-20
[86] 2017-12-27 (PCT/EP2017/084627)
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[25] EN
[54] **METHOD AND DEVICE FOR DETECTING VISCOELASTIC PARAMETER OF VISCOELASTIC MEDIUM**
[54] **PROCEDE ET DISPOSITIF POUR DETECTER UN PARAMETRE VISCOELASTIQUE D'UN MILIEU VISCOELASTIQUE**
[72] ZHAI, FEI, CN
[72] SHAO, JINHUA, CN
[72] SUN, JIN, CN
[72] DUAN, HOULI, CN
[72] WANG, QIANG, CN
[73] WUXI HISKY MEDICAL TECHNOLOGIES CO., LTD.,
[85] 2018-06-20
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[25] EN
[54] **METHOD OF MAKING A HYDROLYZED COLLAGEN GEL**
[54] **PROCEDE DE FABRICATION D'UN GEL DE COLLAGENE HYDROLYSE**
[72] PETITO, GEORGE D., US
[73] PETITO, GEORGE D.,
[86] (3009303)
[87] (3009303)
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[54] **CAPPING OF SOFT TAILINGS DEPOSITS**
[54] **RECOUVREMENT DE DEPOTS DE RESIDUS MOUS**
[72] WANG, NAN, CA
[72] FINLAYSON, TREVOR, CA
[72] MILLER, GLEN, CA
[72] DOGBE, GEORGE, CA
[72] MIMURA, WAYNE, CA
[72] MACNEIL, COLLEEN, CA
[72] MANDERSON, ANA, CA
[72] YAZDANPANAH, SHAHRAM, CA
[73] SYNCRUDE CANADA LTD.,
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[54] **FOLDABLE CHILD'S TRICYCLE AND FOLDING METHOD THEREOF**
[54] **TRICYCLE POUR ENFANT PLIABLE ET SON PROCEDE DE PLIAGE**
[72] WU, CHUNHUA, CN
[73] JIAXING XIAOHUZI BIKE FACTORY COMPANY LIMITED,
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[54] **A PRESSING MACHINE AND A METHOD FOR MANUFACTURING A PRESS-FORMED PRODUCT**
[54] **APPAREIL DE TYPE PRESSE ET PROCEDE DE PRODUCTION POUR ARTICLE MOULE A LA PRESSE**
[72] ITO, YASUHIRO, JP
[73] NIPPON STEEL CORPORATION,
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[54] **MAILLON DE CHAINE POUR CHAINE PORTE-CABLES ET CHAINE PORTE-CABLES**
[72] DOMMNIK, JOERG, DE
[72] STRACK, STEFAN, DE
[72] JAEKER, THILO-ALEXANDER, DE
[72] HERMEY, ANDREAS, DE
[73] IGUS GMBH,
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[54] **COLLIER DE BUTEE**
[72] MARR, GRAEME THOMAS, GB
[73] TERCEL OILFIELD PRODUCTS USA LLC,
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[54] **IMPLANT DENTAIRE, OUTIL D'INSERTION POUR IMPLANT DENTAIRE ET COMBINAISON D'IMPLANT DENTAIRE ET D'OUTIL D'INSERTION**
[72] WEITZEL, JORG, DE
[72] QUARRY, ANTONY, CH
[72] VONWILLER, STEPHAN, CH
[72] PFISTER, NIKI, CH
[72] BURKE, EDMUND, CH
[72] AMETI, SERIF, CH
[72] SOLLBERGER, DAVID, CH
[72] BERNHARD, NICOLAI, CH
[73] NOBEL BIOCARE SERVICES AG,
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[54] **FAUCET**
[54] **ROBINET**
[72] CHANG, YUANHAO, CN
[72] HUANG, CHUNGYI, CN
[72] LIN, YIPING, CN
[72] NI, KUOTUNG, CN
[73] GLOBE UNION INDUSTRIAL CORP.,
[86] (3013133)
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[54] **CONCEALED EXTERNAL HINGE WITH 180 DEGREE ROTATION**
[54] **CHARNIERE EXTERNE DISSIMULEE A ROTATION A 180 DEGRES**
[72] SHEPHERD, RICHARD, US
[73] SIEMENS MOBILITY, INC.,
[85] 2018-08-09
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[25] EN
[54] **WATER ELECTROLYSIS DEVICE**
[54] **DISPOSITIF D'ELECTROLYSE A L'EAU**
[72] LIN, HSIN-YUNG, CN
[73] LIN, HSIN-YUNG,
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[87] (3014948)
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[54] **INSULIN PUMP DERMAL INFUSION SET HAVING PARTIALLY INTEGRATED MECHANIZED CANNULA INSERTION WITH DISPOSABLE ACTIVATION PORTION**
[54] **ENSEMBLE DE PERFUSION DERMIQUE POUR POMPE A INSULINE EQUIPE D'UN MECANISME D'INSERTION DE CANULE PARTIELLEMENT INTEGRE AVEC ELEMENT D'ACTIVATION JETABLE**
[72] BENE, ERIC, US
[72] COLE, RUSSELL, US
[72] IRWIN, STEVE, US
[72] KADAMUS, CHRIS, US
[72] ROUX, SERGE, US
[73] BECTON, DICKINSON AND COMPANY,
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[54] **ORGANE EJECTEUR ET MACHINE DE TRAITEMENT D'ELEMENTS EN FORME DE FEUILLES**
[54] **EJECTOR MEMBER AND MACHINE FOR PROCESSING SHEET-FORM ELEMENTS**
[72] RUCHET, CHRISTOPHE, CH
[73] BOBST MEX SA,
[85] 2018-08-30
[86] 2017-03-09 (PCT/EP2017/025045)
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[25] EN
[54] **TAKE-UP DEVICE FOR CURTAIN**
[54] **DISPOSITIF D`ENROULAGE POUR RIDEAU**
[72] LEI, ZHENBANG, CN
[72] LEI, XINGBANG, CN
[73] LEI, ZHENBANG,
[73] LEI, XINGBANG,
[86] (3017253)
[87] (3017253)
[22] 2018-09-13
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[54] **REMOTE DETECTION AND MEASUREMENT OF OBJECTS**
[54] **DETECTION ET MESURE A DISTANCE D'OBJETS**
[72] BOWRING, NICHOLAS, GB
[72] ANDREWS, DAVID, GB
[72] REZGUI, NACER DDINE, GB
[72] HARMER, STUART, GB
[73] RADIO PHYSICS SOLUTIONS LIMITED,
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[54] **ROTATING SEAL MECHANISM**
[54] **MECANISME D'ETANCHEITE ROTATIF**
[72] ZHU, SHUHONG, CN
[73] ZHU, SHUHONG,
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[54] **FRAISE CHIRURGICALE MUNIE DE GOUJURES NON APPAIREES**
[72] KULAS, JOHN W., US
[72] STEARNS, DONALD E., US
[73] MEDTRONIC PS MEDICAL, INC.,
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[54] **ADJUSTING DEVICE**
[54] **MECANISME D'AJUSTEMENT**
[72] AVNILOV, ISRAEL, CA
[72] ABIDOV, BEKZOD, CA
[73] TOOLWAY INDUSTRIES LTD.,
[86] (3024028)
[87] (3024028)
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[54] **DIFFERENCIATION DE CELLULES SOUCHES PLURIPOTENTES EN CELLULES CORNEENNES**
[72] ILMARINEN, TANJA, FI
[72] HONGISTO, HEIDI, FI
[72] SKOTTMAN, HELI, FI
[72] MIKHAILOVA, ALEXANDRA, FI
[73] TAMPEREEN YLIOPISTO,
[73] TTY-SAATIO SR,
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[25] FR
[54] **MONITORING AND DETECTION PROCESS FOR THE FORMATION OF A DEGRADATION IN AT LEAST ONE MOBILE PART IN A ROTATING MECHANISM AND ASSOCIATED SYSTEM**
[54] **PROCEDE DE SURVEILLANCE ET DE DETECTION DE LA FORMATION D'UNE DEGRADATION DANS AU MOINS UNE PIECE MOBILE D'UN MECANISME TOURNANT ET SYSTEME ASSOCIE**
[72] MOREL, HERVE, FR
[72] RODRIGUEZ, JONATHAN, FR
[73] AIRBUS HELICOPTERS,
[86] (3028050)
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[25] EN
[54] **HUMIDIFYING DEVICE, AIR CLEANER AND HOUSEHOLD APPLIANCE**
[54] **HUMIDIFICATEUR, PURIFICATEUR D'AIR ET APPAREIL MENAGER.**
[72] CHEN, LEITAO, CN
[73] 3M INNOVATIVE PROPERTIES COMPANY,
[85] 2019-02-01
[86] 2017-08-02 (PCT/US2017/045051)
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[25] EN
[54] **METHODS FOR PASTEURIZING AND/OR STERILIZING PARTICULATE GOODS**
[54] **PROCEDES DE PASTEURISATION ET/OU DE STERILISATION DE PRODUIT PARTICULAIRE**
[72] MENESES, NICOLAS, CH
[72] HERSCHE, MARTIN, CH
[72] CURRIE, ALASDAIR, GB
[72] SCHONENBERGER, NIKLAUS, CH
[72] SCHEIWILLER, THOMAS, CH
[73] BUHLER AG,
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[54] **WOMAN'S UNDERGARMENT**
[54] **SOUS-VETEMENT FEMININ**
[72] HIRAKUBO, AKIYO, JP
[73] GOLD FLAG LTD.,
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[25] EN
[54] **ENERGY MANAGEMENT APPARATUS TO UPGRADE AND CONTROL AN EXISTING CIRCUIT BREAKER PANEL**
[54] **APPAREIL DE GESTION D'ENERGIE POUR METTRE A NIVEAU ET COMMANDER UN PANNEAU DE DISJONCTEUR EXISTANT**
[72] BAZHINOV, ALEXANDER, US
[73] COULOMB INC.,
[85] 2019-07-17
[86] 2018-01-18 (PCT/US2018/014205)
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[30] US (62/447,847) 2017-01-18

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[25] EN
[54] **METHOD FOR PRODUCING FLAVONOID CLATHRATE**
[54] **PROCEDE DE FABRICATION DE COMPOSE DE CLATHRATE DE FLAVONOIDE**
[72] MORIWAKI, MASAMITSU, US
[72] KUMOI, KENTARO, US
[72] OZEKI, MAKOTO, US
[73] TAIYO KAGAKU CO., LTD.,
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[54] **ADJUSTABLE WEDGE**
[54] **COIN REGLABLE**
[72] ISCH, BRYCE A., US
[73] BIOMET MANUFACTURING, LLC,
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[25] EN
[54] **VANADIUM RECOVERY METHOD**
[54] **PROCEDE DE RECUPERATION DE VANADIUM**
[72] JUNG, MYUNGWON, US
[72] MISHRA, BRAJENDRA, US
[73] WORCESTER POLYTECHNIC INSTITUTE,
[85] 2019-09-06
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[25] EN
[54] **IMPROVED SCENT PAD AND MECHANISM FOR HOUSING THE SAME**
[54] **TAMPON ODORANT AMELIORE ET MECANISME DE LOGEMENT DE CELUI-CI**
[72] TALBOT, JANET, US
[72] PETERSON, LARA, US
[73] HELEN OF TROY LIMITED,
[86] (3057115)
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[22] 2013-08-09
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[25] EN
[54] **AUTOMATED IDENTIFICATION OF DEVICE STATUS AND RESULTING DYNAMIC MODIFICATION OF DEVICE OPERATIONS**
[54] **IDENTIFICATION AUTOMATISEE DE L'ETAT DU DISPOSITIF ET MODIFICATION DYNAMIQUE QUI EN RESULTE DES OPERATIONS DU DISPOSITIF**
[72] CAZZANTI, LUCA, US
[72] DOWNS, OLIVER B., US
[72] DANIELSON, MATTHEW G., US
[73] AMPLERO, INC.,
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[54] **SUPPORT MODULAIRE POUR PLANTES - BETA**
[72] NOEL, GENEVIEVE, CA
[71] MINDFUL INNOVATIONS LTD, CA
[22] 2018-10-26
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[51] **Int.Cl. A42B 3/10 (2006.01)**
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[54] **HELMET WITH INFLATABLE AIRBAG**
[54] **CASQUE AVEC COUSSIN GONFLABLE**
[72] PETROVIC, NEMANYA S., CA
[71] PETROVIC, NEMANYA S., CA
[22] 2018-10-29
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[51] **Int.Cl. B23K 37/00 (2006.01) B23K 37/02 (2006.01) B25J 9/18 (2006.01) B25J 19/04 (2006.01)**
[25] EN
[54] **WELDING ROBOT FOR REPAIRING A SURFACE DEFECT IN A PRESS PLATEN SURFACE WHILE PLACED IN A PRESS AT OPERATING TEMPERATURE**
[54] **ROBOT DE SOUDAGE POUR LA REPARATION D`UN DEFAUT DANS UNE SURFACE DE LA PLATINE D`UNE PRESSE, DANS CETTE PRESSE A TEMPERATURE DE SERVICE**
[72] SULLIVAN, JOEL, CA
[71] SULLIVAN, JOEL, CA
[22] 2018-10-26
[41] 2020-04-26

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[54] **PIPELINE SENSOR CONDUIT AND ADHESION METHOD**
[54] **CONDUIT DE CAPTEUR DE PIPELINE ET PROCEDE D`ADHERENCE**
[72] DOUZIECH, ED, CA
[72] WARREN, ANTHONY, CA
[71] CCI INC., CA
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[25] EN
[54] **METHOD FOR CREATING MUSIC FROM OBSERVED MOTION**
[54] **PROCEDE DE CREATION DE MUSIQUE A PARTIR D`UN MOUVEMENT OBSERVE**
[72] SPRY, PETER, CA
[71] SPRY, PETER, CA
[22] 2018-10-29
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[25] EN
[54] **IMPACT PROOF SAFETY FOOTWEAR**
[54] **CHAUSSURES DE SECURITE RESISTANTES AUX CHOCS**
[72] UNKNOWN, XX
[71] OUELLETTE, FABIEN, CA
[71] PEPLOW, DEREK G., CA
[22] 2018-10-29
[41] 2020-04-29

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[54] **SYSTEM FOR FACILITATING INTERNATIONAL TRADE AND METHOD**
[54] **SYSTEME PERMETTANT DE FACILITER LE COMMERCE INTERNATIONAL ET PROCEDE ASSOCIE**
[72] SINGH, SIMRANJIT, CA
[71] SINGH, SIMRANJIT, CA
[22] 2018-10-29
[41] 2020-04-29

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[51] **Int.Cl. B01D 27/08 (2006.01) B01D 53/02 (2006.01)**
[25] EN
[54] **FILTRATION APPARATUS WITH CARTRIDGE ASSEMBLY**
[54] **APPAREIL DE FILTRATION AVEC CARTOUCHE**
[72] MUTER, JOHN P., CA
[72] LIU, HAIQING, CA
[72] WILLIAMS, SHAZAM S., CA
[72] LA-ANYANE, MICHAEL N., CA
[71] GRANITEFUEL ENGINEERING INC., CA
[22] 2018-10-30
[41] 2020-04-30

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[13] A1
[51] **Int.Cl. B60R 15/02 (2006.01) B60P 3/36 (2006.01)**
[25] EN
[54] **SHOWER CONSOLE FOR THE CAR'S ROOF TOP RACK**
[54] **PUPITRE DE DOUCHE POUR PORTE-BAGAGES SUR LE TOIT D`UN VEHICULE AUTOMOBILE**
[72] LAZIC, MIRKO, CA
[71] LAZIC, MIRKO, CA
[22] 2018-10-29
[41] 2020-04-29

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[51] **Int.Cl. A47K 1/09 (2006.01) A47B 88/988 (2017.01) A45D 44/18 (2006.01) A61C 19/02 (2006.01)**
[25] EN
[54] **TOOTHBRUSH HOLDER/CASE**
[54] **PORTE-BROSSES A DENTS/ETUI A BROSSE A DENTS**
[72] HACHEY, STEVEN J. J., CA
[71] HACHEY, STEVEN J. J., CA
[22] 2018-10-30
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[51] **Int.Cl. B60T 17/22 (2006.01)**
[25] EN
[54] **METHOD FOR TESTING OPERATION OF PARKING BRAKE SYSTEMS OF MACHINES**
[54] **METHODE POUR REALISER DES ESSAIS DE FONCTIONNEMENT DE SYSTEMES DE FREIN DE STATIONNEMENT DE MACHINES**
[72] AMIR, ROHAIL, AU
[71] CATERPILLAR UNDERGROUND MINING PTY. LTD., AU
[22] 2018-10-30
[41] 2020-04-30

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[51] **Int.Cl. F16L 55/32 (2006.01)**
[25] EN
[54] **SELF DRIVEN PIG**
[54] **RACLEUR AUTONOME**
[72] YAMOKOSKI, JOHN D., US
[72] KUNDROT, ALEXANDER C., US
[72] WIGHTMAN, BRIAN J., US
[72] BERKA, REGINALD B., US
[72] RADFORD, NICOLAUS A., US
[72] ONDLER, RODNEY M., US
[71] INNERPIPE ROBOCAM SCAN, LLC., US
[22] 2018-10-30
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[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 10/04 (2012.01) B65F 1/00 (2006.01) B65F 1/14 (2006.01) G06Q 50/00 (2012.01)**
[25] FR
[54] **SYSTEME AUTOMATIQUE POUR GESTION INTERACTIVE FIABLE ET EFFICACE DE DECHETS PRODUITS PAR UNE PERSONNE OU PAR UN GROUPE DE PERSONNES, PROCEDE ASSOCIE**
[54] **AUTOMATIC SYSTEM FOR RELIABLE AND EFFICIENT INTERACTIVE MANAGEMENT OF WASTE GENERATED BY AN INDIVIDUAL OR BY A GROUP OF INDIVIDUALS, METHOD THEREOF**
[72] BERTRAND, LOUIS, CA
[71] BERTRAND, LOUIS, CA
[22] 2018-10-30
[41] 2020-04-30

[21] **3,022,703**
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[51] **Int.Cl. H04W 4/30 (2018.01) H04W 4/14 (2009.01) G06K 7/10 (2006.01) G06K 9/18 (2006.01)**
[25] EN
[54] **CONTACT BY ATTRIBUTES CONTROL BY RULES, V1.0**
[54] **COMMUNICATION PAR CONTROLE DES ATTRIBUTS FONDEE SUR DES REGLES, V. 1.0**
[72] AHMAD, BILAL, CA
[72] UNKNOWN, XX
[71] AHMAD, BILAL, CA
[22] 2018-10-31
[41] 2020-04-30

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[51] **Int.Cl. E21B 43/12 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **PACKING MODULE AND RELATED METHODS FOR RECOVERING HYDROCARBONS VIA A SINGLE WELL**
[54] **MODULE D`ENCAISSAGE ET PROCEDES CONNEXES DE RECUPERATION DES HYDROCARBURES AU MOYEN D`UN PUITS UNIQUE**
[72] LASTIWKA, MARTIN, CA
[72] WATT, ALAN, CA
[71] SUNCOR ENERGY INC., CA
[22] 2018-10-31
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[51] **Int.Cl. E21B 43/12 (2006.01) E21B 43/18 (2006.01) E21B 43/20 (2006.01) E21B 43/25 (2006.01)**
[25] EN
[54] **IN SITU WELL COMPLETIONS AND METHODS FOR INJECTION AND HYDROCARBON RECOVERY VIA SINGLE WELL**
[54] **COMPLETIONS DE PUITS SUR PLACE ET PROCEDES D`INJECTION ET DE RECUPERATION D`HYDROCARBURES AU MOYEN D`UN PUITS UNIQUE**
[72] LASTIWKA, MARTIN, CA
[72] WATT, ALAN, CA
[71] SUNCOR ENERGY INC., CA
[22] 2018-10-31
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[13] A1
[51] **Int.Cl. H02J 50/00 (2016.01) H04W 88/00 (2009.01) H02J 7/00 (2006.01)**
[25] EN
[54] **UNKNOWN**
[54] **INCONNU**
[72] SALEM, MAURICE, CA
[71] SALEM, MAURICE, CA
[22] 2018-11-01
[41] 2020-05-01

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[13] A1
[51] **Int.Cl. B63B 59/00 (2006.01) B63B 69/00 (2013.01)**
[25] FR
[54] **BOAT HULL PROTECTOR**
[54] **POINTE DE DESSOUS POUR BATEAU**
[72] MARCOTTE, DIANE, CA
[71] MARCOTTE, DIANE, CA
[22] 2018-10-31
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[51] **Int.Cl. B32B 41/02 (2006.01) B31B 50/81 (2017.01) B32B 38/00 (2006.01)**
[25] EN
[54] **AUTOMATIC START STOP**
[54] **MISE EN MARCHE ET ARRET AUTOMATIQUES**
[72] ROBITAILLE, MARTIN, CA
[72] GAGNON, STEVE, CA
[71] ROBITAILLE, MARTIN, CA
[22] 2018-11-01
[41] 2020-05-01

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[51] **Int.Cl. B62H 5/00 (2006.01) E05B 47/00 (2006.01) E05B 71/00 (2006.01)**
[25] EN
[54] **LOCKING MECHANISM FOR A BICYCLE SHARING SYSTEM**
[54] **MECANISME DE VERROUILLAGE POUR SYSTEME DE VELOS EN LIBRE-SERVICE**
[72] LUEDTKE, PETER, US
[72] DOCTOROFF, JACOB ROBERT, US
[72] BETTEZ, JEAN-SEBASTIEN, US
[72] DYK, TRACY VAN, US
[72] FRUMIN, MICHAEL, US
[71] 8D TECHNOLOGIES ULC, CA
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[25] EN
[54] **METHOD AND SYSTEM FOR MOBILE DISTRIBUTION STATION**
[54] **PROCEDE ET SYSTEME POUR STATION DE REPARTITION MOBILE**
[72] KALALA, SATISH KUMAR, US
[72] SHAH, JITESH SHANTILAL, US
[71] FUEL AUTOMATION STATION, LLC, US
[22] 2018-11-02
[41] 2020-05-02

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[25] EN
[54] **MOBILE DISTRIBUTION STATION HAVING SENSOR COMMUNICATION LINES ROUTED WITH HOSES**
[54] **STATION DE REPARTITION MOBILE DOTEE DE LIGNES DE COMMUNICATION DE CAPTEUR MONTEES AVEC DES TUYAUX**
[72] SHOCK, RICKY DEAN, US
[71] FUEL AUTOMATION STATION, LLC, US
[22] 2018-11-02
[41] 2020-05-02

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[51] **Int.Cl. B67D 7/08 (2010.01) B67D 7/06 (2010.01) B60P 3/00 (2006.01) E21B 41/00 (2006.01) G01F 23/284 (2006.01) G05D 7/06 (2006.01)**
[25] EN
[54] **MOBILE DISTRIBUTION STATION WITH GUIDED WAVE RADAR FUEL LEVEL SENSORS**
[54] **STATION DE REPARTITION MOBILE AVEC CAPTEURS DE NIVEAU DE CARBURANT RADAR A ONDES GUIDEES**
[72] SHOCK, RICKY DEAN, US
[71] FUEL AUTOMATION STATION, LLC, US
[22] 2018-11-02
[41] 2020-05-02

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[51] **Int.Cl. F23D 14/46 (2006.01) F23C 5/00 (2006.01) F23D 14/12 (2006.01) F24D 15/00 (2006.01)**
[25] FR
[54] **HEATING DEVICE**
[54] **DISPOSITIF DE CHAUFFAGE**
[72] DE MARCHANT ET D'ANSEMBOURG, PHILIPPE, BE
[72] DE FIERLANT, MICHEL, BE
[71] TERMICO, BE
[22] 2018-11-02
[41] 2020-05-02

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[51] **Int.Cl. G08B 21/02 (2006.01) H04W 4/12 (2009.01) H04W 4/90 (2018.01) G08B 25/10 (2006.01)**
[25] EN
[54] **INFRARED LIFE PRESENCE DETECTOR AND ALERT**
[54] **DETECTEUR A INFRAROUGE DE PRESENCE D`UN ETRE VIVANT ET ALERTE**
[72] DEMERS, JEAN-JACQUES, XX
[72] MARTIN, RICHARD, XX
[72] DEMERS, MYRIAM, XX
[71] DEMERS, JEAN-JACQUES, CA
[71] MARTIN, RICHARD, CA
[71] DEMERS, MYRIAM, CA
[22] 2018-11-02
[41] 2020-05-02

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[13] A1
[51] **Int.Cl. E04F 15/02 (2006.01) E04F 13/26 (2006.01) E04F 15/10 (2006.01)**
[25] EN
[54] **CONNECTOR OF SYSTEMATIC BOARD OF BUILDING**
[54] **CONNECTEUR DE PANNEAU SYSTEMATIQUE DE CONSTRUCTION**
[72] CHEN, WEN-CHI, CN
[71] SHAN YEUN CO., LTD., CN
[71] 2145677 ALBERTA LTD., CA
[22] 2018-12-19
[41] 2020-05-02
[30] TW (107139063) 2018-11-02

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[13] A1
[51] **Int.Cl. F23D 14/48 (2006.01) F23D 14/04 (2006.01) F23D 23/00 (2006.01) F23G 7/08 (2006.01)**
[25] EN
[54] **LOW-PRESSURE GAS BURNER**
[54] **BRULEUR A GAZ BASSE PRESSION**
[72] SUTHERLAND, JOHN JOSEPH, CA
[72] BOUCHARD, JUSTIN EDWARD, CA
[72] NELSON, JEFFREY DAVID, CA
[71] QUESTOR TECHNOLOGY INC., CA
[22] 2018-12-20
[41] 2020-04-30
[30] US (62/752,869) 2018-10-30

[21] **3,028,889**
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[51] **Int.Cl. E21B 17/00 (2006.01) E21B 17/08 (2006.01) F16L 59/14 (2006.01) F16L 59/15 (2006.01) F16L 59/18 (2006.01)**
[25] EN
[54] **TUBULAR FOR DOWNHOLE USE**
[54] **ELEMENT TUBULAIRE POUR UTILISATION EN FOND DE TROU**
[72] PORODO, DANIEL, CA
[71] PRO PIPE SERVICE & SALES LTD, CA
[22] 2019-01-04
[41] 2020-05-01
[30] US (62/754,580) 2018-11-01

[21] **3,029,953**
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[51] **Int.Cl. C22C 19/05 (2006.01) B22F 1/00 (2006.01) C22C 30/00 (2006.01) C22F 1/10 (2006.01) C22C 19/07 (2006.01) F02C 7/00 (2006.01)**
[25] EN
[54] **HIGH GAMMA PRIME NICKEL BASED SUPERALLOY, ITS USE, AND METHOD OF MANUFACTURING OF TURBINE ENGINE COMPONENTS**
[54] **SUPERALLIAGE SOUDABLE A BASE DE NICKEL A TENEUR ELEVEE EN GAMMA PRIME, SON UTILISATION, ET PROCEDE DE FABRICATION DES ELEMENTS DE MOTEUR A TURBINE**
[72] GONCHAROV, ALEXANDER B., CA
[72] LIBURDI, JOSEPH, CA
[72] LOWDEN, PAUL, CA
[71] LIBURDI ENGINEERING LIMITED, CA
[22] 2019-01-14
[41] 2020-04-29
[30] CN (201811268989.9) 2018-10-29

[21] **3,032,675**
[13] A1
[51] **Int.Cl. B62B 3/02 (2006.01) B62B 3/04 (2006.01)**
[25] EN
[54] **ADJUSTABLE TRANSPORT CART**
[54] **CHARIOT DE TRANSPORT AJUSTABLE**
[72] SAELI, MICHAEL J., US
[72] SAELI, FRANK A., US
[71] SAELI, MICHAEL J., US
[71] SAELI, FRANK A., US
[22] 2019-02-05
[41] 2020-04-30
[30] US (62/753,602) 2018-10-31

[21] **3,035,231**
[13] A1
[51] **Int.Cl. E01B 29/10 (2006.01) E01B 29/06 (2006.01)**
[25] EN
[54] **RAIL PLATE RETAINER WITH STABILIZED GRIPPING JAWS FOR USE WITH RAIL TIE EXCHANGER**
[54] **DISPOSITIF DE RETENUE DE PLAQUE POUR RAIL AVEC MORS DE SERRAGE STABILISES POUR UTILISATION AVEC UN ECHANGEUR DE TRAVERSE DE CHEMIN DE FER**
[72] PRITZL, PATRICK JOSEPH, US
[72] NEUBAUER, KYLE MATTHEW, US
[72] LONG, GREGORY JOHN, US
[72] HOLSCHBACH, RYAN MATTHEW, US
[72] BOYD, JAMES W., US
[71] NORDCO INC., US
[22] 2019-02-28
[41] 2020-04-26
[30] US (62/751,319) 2018-10-26

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[51] **Int.Cl. B25J 9/18 (2006.01) B23K 31/02 (2006.01) B23K 37/02 (2006.01) B23P 6/00 (2006.01) B25J 19/04 (2006.01)**
[25] EN
[54] **WELDING ROBOT FOR REPAIRING A SURFACE DEFECT IN A PRESS PLATEN SURFACE WHILE PLACED IN A PRESS AT OPERATING TEMPERATURE**
[54] **ROBOT DE SOUDAGE POUR LA REPARATION D`UN DEFAUT DANS UNE SURFACE DE LA PLATINE D`UNE PRESSE, DANS CETTE PRESSE A TEMPERATURE DE SERVICE**
[72] SULLIVAN, JOEL, CA
[71] SULLIVAN, JOEL, CA
[22] 2019-03-06
[41] 2020-04-26
[30] CA (3,022,263) 2018-10-26

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[13] A1
[51] **Int.Cl. B65D 43/02 (2006.01) B65D 43/04 (2006.01) B65D 81/34 (2006.01)**
[25] EN
[54] **LID ASSEMBLY FOR A CONTAINER**
[54] **COUVERCLE POUR RECIPIENT**
[72] RAGIAS, CHRISTOS ARGIRIOS, US
[72] MILLER, GARET RILEY, US
[72] DEMERS, BRIAN J., US
[71] ONEIDA CONSUMER, LLC., US
[22] 2019-04-01
[41] 2020-05-01
[30] US (62/754,185) 2018-11-01
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[13] A1
[51] **Int.Cl. G01N 1/40 (2006.01) G01N 21/64 (2006.01) G01N 27/00 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR DETECTING MERCURY ISOTOPES IN NATURAL GAS**
[54] **PROCEDES ET DISPOSITIFS DE DETECTION D`ISOTOPES DE MERCURE DANS UN GAZ NATUREL**
[72] ZHU, GUANGYOU, CN
[72] TANG, SHUNLIN, CN
[71] PETROCHINA COMPANY LIMITED, CN
[22] 2019-04-08
[41] 2020-04-30
[30] CN (201811284109.7) 2018-10-31

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[13] A1
[51] **Int.Cl. G01N 1/40 (2006.01) G01N 21/64 (2006.01) G01N 27/00 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR DETECTING MERCURY ISOTOPES IN OIL-GAS SOURCES**
[54] **PROCEDES ET DISPOSITIFS DE DETECTION D`ISOTOPES DE MERCURE DANS UN GAZ DE PETROLE**
[72] ZHU, GUANGYOU, CN
[72] TANG, SHUNLIN, CN
[71] PETROCHINA COMPANY LIMITED, CN
[22] 2019-04-10
[41] 2020-04-30
[30] CN (201811283982.4) 2018-10-31

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[51] **Int.Cl. H02S 20/23 (2014.01) H02S 40/32 (2014.01) H02S 40/34 (2014.01) H02S 40/36 (2014.01)**
[25] EN
[54] **ROOF INTEGRATED SOLAR POWER SYSTEM WITH TOP MOUNTED ELECTRICAL COMPONENTS AND CABLES**
[54] **SYSTEME D`ENERGIE SOLAIRE INTEGRE A LA TOITURE AVEC COMPOSANTS ELECTRIQUES ET CABLES SUR LE DESSUS**
[72] RODRIGUES, TOMMY F., US
[72] RAILKAR, SUDHIR, US
[72] BOSS, DANIEL E., US
[72] GENNRICH, DAVID J., US
[72] BOUDREAU, CORY, US
[72] NETT, DANIEL R., US
[72] KALLSEN, KENT J., US
[71] BUILDING MATERIALS INVESTMENT CORPORATION, US
[22] 2019-05-02
[41] 2020-04-26
[30] US (16/171,819) 2018-10-26

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[51] **Int.Cl. A42B 3/12 (2006.01) A42B 3/06 (2006.01) A42B 3/20 (2006.01)**
[25] EN
[54] **FOOTBALL HELMET HAVING EXCEPTIONAL IMPACT PERFORMANCE**
[54] **CASQUE DE FOOTBALL AVEC ABSORPTION DES IMPACTS EXCEPTIONNELLE**
[72] VANHOUTIN, LOUIS ANTHONY, US
[72] LONG, VINCENT R., US
[72] ERB, ROBERT, US
[72] GROFF, RICHARD, III, US
[71] KRANOS IP CORPORATION, US
[22] 2019-05-02
[41] 2020-05-01
[30] US (62/754,582) 2018-11-01
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[51] **Int.Cl. A01D 41/06 (2006.01) A01D 41/12 (2006.01) A01D 47/00 (2006.01) A01D 67/00 (2006.01)**
[25] EN
[54] **VARYING A HYDRAULIC CYLINDER MECHANICAL ADVANTAGE TO OBTAIN SMOOTHER FLOAT PRESSURE**
[54] **VARIATION D`UN AVANTAGE MECANIQUE DE VERIN HYDRAULIQUE POUR OBTENIR UNE PRESSION DE FLOTTEMENT DELICATE**
[72] BRIMEYER, ALEX, US
[72] VANDEVEN, MICHAEL L., US
[72] PIERSON, JOSHUA R., US
[71] DEERE & COMPANY, US
[22] 2019-05-03
[41] 2020-04-30
[30] US (16/174,762) 2018-10-30

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[51] **Int.Cl. C10L 10/04 (2006.01) C23F 11/00 (2006.01) C23F 15/00 (2006.01) F23G 5/48 (2006.01) F23J 9/00 (2006.01)**
[25] EN
[54] **ADDITIVE COMPOSITION AND METHOD FOR PREVENTING FOULING, SLAGGING, AND CORROSION OF BIOMASS MULTI FUEL FIRED OR DEDICATED BOILERS USING ALUMINA**
[54] **COMPOSITION ADDITIVE ET PROCEDE DE PREVENTION DE L`ENCRASSEMENT, DE LA SCORIFICATION ET DE LA CORROSION DE CHAUDIERES ALIMENTEES A LA BIOMASSE, MULTICOMBUSTIBLES OU DEDIEES A LA BIOMASSE UTILISANT DE L`ALUMINE**
[72] KWONHO, JEON, KR
[71] BLUE OCEAN INDUSTRY, INC., KR
[22] 2019-05-06
[41] 2020-04-30
[30] KR (10-2018-0130326) 2018-10-30
[30] JP (2018-223108) 2018-11-29

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[13] A1
[51] **Int.Cl. C22B 3/08 (2006.01) C22B 3/22 (2006.01) C22B 3/44 (2006.01) C22B 34/34 (2006.01)**
[25] EN
[54] **PROCESS FOR THE SELECTIVE REMOVAL OF COPPER COMPOUNDS AND OTHER IMPURITIES WITH RESPECT TO MOLYBDENUM AND RHENIUM, FROM MOLYBDENITE CONCENTRATES**
[54] **PROCEDE D`ENLEVEMENT SELECTIF DE COMPOSES DE CUIVRE ET D`AUTRES IMPURETES EN CE QUI CONCERNE LE MOLYBDENE ET LE RHENIUM, A PARTIR DE CONCENTRES DE MOLYBDENITE**
[72] GUZMAN MANZO, MANUEL ENRIQUE, CL
[72] GRAELL MOORE, JOHN PATRICK, CL
[71] MOLIBDENOS Y METALES S.A., CL
[22] 2019-07-02
[41] 2020-04-30
[30] CL (CL2018-3101) 2018-10-30

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[13] A1
[51] **Int.Cl. B64D 11/02 (2006.01)**
[25] EN
[54] **IMPROVED LAVATORY MONUMENT FOR AIRCRAFT**
[54] **STRUCTURE DE TOILETTES AMELIOREE POUR AERONEF**
[72] YOUNG, STEPHEN M., US
[72] SWANSON, KEVIN GRIFFITH, US
[71] THE BOEING COMPANY, US
[22] 2019-07-26
[41] 2020-04-26
[30] US (16/172327) 2018-10-26

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[13] A1
[51] **Int.Cl. B64D 11/02 (2006.01) B64F 5/10 (2017.01) B64F 5/40 (2017.01)**
[25] EN
[54] **IMPROVED AFT WALL FOR A LAVATORY MONUMENT OF AN AIRCRAFT**
[54] **MUR ARRIERE AMELIORE POUR STRUCTURE DE TOILETTES D`UN AERONEF**
[72] YOUNG, STEPHEN M., US
[71] THE BOEING COMPANY, US
[22] 2019-08-01
[41] 2020-04-26
[30] US (16/172429) 2018-10-26

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[13] A1
[51] **Int.Cl. B64D 11/02 (2006.01) E03C 1/04 (2006.01)**
[25] EN
[54] **MODULAR FAUCET SYSTEM FOR AIRCRAFT**
[54] **SYSTEME DE ROBINET MODULAIRE POUR AERONEF**
[72] YOUNG, STEPHEN M., US
[71] THE BOEING COMPANY, US
[22] 2019-08-02
[41] 2020-04-26
[30] US (16/172247) 2018-10-26

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[51] **Int.Cl. B05C 5/00 (2006.01)**
[25] EN
[54] **APPARATUSES AND METHODS FOR DISPENSING FLOWABLE MATERIALS**
[54] **APPAREILS ET PROCEDES DE DISTRIBUTION DE MATERIAUX FLUIDIFIABLES**
[72] PRINGLE, JOHN W., IV, US
[72] DAVANCENS, ANGELICA, US
[72] SARH, BRANKO, US
[71] THE BOEING COMPANY, US
[22] 2019-08-14
[41] 2020-04-30
[30] US (16/176875) 2018-10-31

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[51] **Int.Cl. G01C 9/00 (2006.01) A01B 15/10 (2006.01) A01B 15/20 (2006.01) A01B 71/02 (2006.01) E02F 3/43 (2006.01)**
[25] EN
[54] **WINDROWER HEADER SENSING AND CONTROL METHOD**
[54] **PROCEDE DE DETECTION ET DE COMMANDE DE LA TETE DE L`ANDAINEUR**
[72] ROTOLE, DAVID V., US
[71] DEERE & COMPANY, US
[22] 2019-08-16
[41] 2020-04-30
[30] US (62/753,251) 2018-10-31
[30] US (16/444,539) 2019-06-18

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[51] **Int.Cl. B60K 13/02 (2006.01)**
[25] EN
[54] **SNORKEL SYSTEM**
[54] **COL D`ENTREE D`AIR**
[72] BENNETT, PATRICK W., US
[72] RUSSELL, ERIC LANCE, US
[71] OMIX-ADA, INC., US
[22] 2019-08-19
[41] 2020-04-26
[30] US (16/171,428) 2018-10-26

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[13] A1
[51] **Int.Cl. G01L 5/24 (2006.01) B25B 23/14 (2006.01)**
[25] EN
[54] **TILT COMPENSATED TORQUE-ANGLE WRENCH**
[54] **CLE AVEC COUPLE/ANGLE A INCLINAISON COMPENSEE**
[72] KING, JERRY A., US
[72] LEE, NATHAN J., US
[71] SNAP-ON INCORPORATED, US
[22] 2019-08-22
[41] 2020-05-01
[30] US (16/178,315) 2018-11-01

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[13] A1
[51] **Int.Cl. G06F 9/455 (2018.01) G06F 30/3308 (2020.01) G06F 11/00 (2006.01) G09B 9/00 (2006.01) G09B 19/00 (2006.01)**
[25] EN
[54] **GENERALIZED VIRTUALIZATION PLATFORM FOR SYSTEMS USING HARDWARE ABSTRACTION SOFTWARE LAYERS**
[54] **PLATE-FORME DE VIRTUALISATION GENERALISEE POUR SYSTEMES UTILISANT DES COUCHES LOGICIELLES D`ABSTRACTION MATERIELLE**
[72] HOTRA, JONATHAN N., US
[72] HUNT, ANTONY R., US
[71] THE BOEING COMPANY, US
[22] 2019-08-23
[41] 2020-04-30
[30] US (16/176855) 2018-10-31

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[51] **Int.Cl. B22F 7/08 (2006.01) B33Y 80/00 (2015.01) B22F 3/14 (2006.01) B23P 15/28 (2006.01) C04B 35/645 (2006.01) C30B 1/12 (2006.01) C30B 33/10 (2006.01) E21B 10/46 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFATURING OF POLYCRYSTALLINE SUPERHARD CUTTER UTILIZING INTERNAL FRAME**
[54] **PROCEDE DE FABRICATION D`UN DISPOSITIF DE COUPE EXTRA DUR POLYCRISTALLIN UTILISANT UN CADRE INTERNE**
[72] BELLIN, FEDERICO, US
[71] VAREL INTERNATIONAL IND., L.L.C., US
[22] 2019-08-26
[41] 2020-04-30
[30] US (62/753,364) 2018-10-31

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[13] A1
[51] **Int.Cl. B32B 39/00 (2006.01) B32B 37/00 (2006.01) B32B 38/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONCURRENTLY LAMINATING AND TRIMMING A COMPOSITE LAMINATE**
[54] **SYSTEME ET PROCEDE POUR STRATIFIER ET EBAVURER SIMULTANEMENT UN STRATIFIE COMPOSITE**
[72] MODIN, ANDREW E., US
[72] WILLDEN, KURTIS S., US
[72] JONES, DARRELL D., US
[71] THE BOEING COMPANY, US
[22] 2019-08-29
[41] 2020-05-01
[30] US (16/178,434) 2018-11-01

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[13] A1
[51] **Int.Cl. A63C 1/30 (2006.01) A63C 1/38 (2006.01)**
[25] EN
[54] **ICE SKATE BLADE ASSEMBLY WITH RELEASABLE BLADE**
[54] **ENSEMBLE DE LAME DE PATIN A GLACE AVEC LAME AMOVIBLE**
[72] VAN HORNE, SCOTT, CA
[72] ZALEZNICK JONAH, US
[71] VH FOOTWEAR INC., CA
[22] 2019-08-30
[41] 2020-05-01
[30] US (62754177) 2018-11-01

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[51] **Int.Cl. H04W 12/08 (2009.01) H04W 12/06 (2009.01) H04W 76/14 (2018.01) H04W 4/80 (2018.01)**
[25] EN
[54] **ACTIVATION FOR NEAR-FIELD COMMUNICATION DEVICE**
[54] **ACTIVATION POUR DISPOSITIF DE COMMUNICATION EN CHAMP PROCHE**
[72] JOHANSSON, JESPER MIKAEL, SE
[72] HARRELL, CHRISTOPHER, SE
[71] YUBICO AB, SE
[22] 2019-09-04
[41] 2020-04-30
[30] US (16/175,689) 2018-10-30

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[51] **Int.Cl. A61B 5/044 (2006.01) G16H 30/40 (2018.01) A61B 5/0464 (2006.01) A61B 5/055 (2006.01)**
[25] EN
[54] **MAGNETIC RESONANCE IMAGING (MRI) IMAGE FILTRATION ACCORDING TO DIFFERENTCARDIAC RHYTHMS**
[54] **FILTRATION D`IMAGE PAR IMAGERIE PAR RESONANCE MAGNETIQUE (IRM) SELON DIFFERENTS RYTHMES CARDIAQUES**
[72] GOVARI, ASSAF, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-09-13
[41] 2020-04-30
[30] US (16/175,958) 2018-10-31

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[51] **Int.Cl. H04W 24/02 (2009.01) H04B 17/318 (2015.01) H04W 4/38 (2018.01) H04B 7/04 (2017.01) H04B 7/12 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD TO DYNAMICALLY OPTIMIZE ANTENNA PERFORMANCE**
[54] **SYSTEME ET PROCEDE POUR OPTIMISER DYNAMIQUEMENT LA PERFORMANCE D`UNE ANTENNE**
[72] FULESHWAR PRASAD, MAHENDRA, CA
[72] JANTZI, JASON WAYNE, CA
[72] MAN, YING TONG, CA
[71] BLACKBERRY LIMITED, CA
[22] 2019-09-13
[41] 2020-04-30
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[13] A1
[51] **Int.Cl. A61M 31/00 (2006.01) A61M 37/00 (2006.01) A61M 39/08 (2006.01)**
[25] EN
[54] **DEVICE FOR TEMPORARY LOCAL APPLICATION OF FLUIDS**
[54] **DISPOSITIF D`APPLICATION LOCALE TEMPORAIRE DE FLUIDES**
[72] VOGT, SEBASTIAN, DE
[72] KLUGE, THOMAS, DE
[71] HERAEUS MEDICAL GMBH, DE
[22] 2019-09-16
[41] 2020-04-29
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[51] **Int.Cl. E04D 13/076 (2006.01)**
[25] EN
[54] **GUTTER CLEANER AND A BUCKET HANGER**
[54] **DISPOSITIF DE NETTOYAGE DE GOUTTIERES ET ANSE DE SUSPENSION DE SEAU**
[72] LAROSA, MICHAEL, US
[71] LAROSA, MICHAEL, US
[22] 2019-09-17
[41] 2020-04-30
[30] US (16/174,349) 2018-10-30

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[51] **Int.Cl. F01D 5/08 (2006.01) F01D 25/12 (2006.01) F02C 7/12 (2006.01)**
[25] EN
[54] **TANGENTIAL ON-BOARD INJECTOR (TOBI) ASSEMBLY**
[54] **ENSEMBLE D`INJECTION TANGENTIELLE DE BORD (TOBI)**
[72] SIDOROVICH PARADISO, IVAN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-09-17
[41] 2020-05-02
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[51] **Int.Cl. F01D 9/02 (2006.01) F01D 17/12 (2006.01) F02C 9/18 (2006.01) F04D 29/44 (2006.01)**
[25] EN
[54] **DIFFUSER WITH NON-UNIFORM THROAT AREAS**
[54] **DIFFUSEUR A AIRES DE VENTILATION UNIFORMES**
[72] DROLET, MARTIN, CA
[72] NICHOLS, JASON, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-09-17
[41] 2020-04-30
[30] US (16/175,986) 2018-10-31

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[51] **Int.Cl. G01B 7/004 (2006.01) G01R 33/58 (2006.01)**
[25] EN
[54] **MAGNETIC TRANSMITTERS FOR A MAGNETIC TRACKING SYSTEM**
[54] **EMETTEURS MAGNETIQUES POUR SYSTEME DE PISTAGE MAGNETIQUE**
[72] GOVARI, ASSAF, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-09-19
[41] 2020-05-02
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[51] **Int.Cl. B60R 9/00 (2006.01) B60P 3/14 (2006.01) B60R 11/06 (2006.01)**
[25] EN
[54] **MOUNTING SYSTEM WITH PIVOT LOCKING FEATURES**
[54] **SYSTEME D`INSTALLATION DOTE DE FONCTIONS DE BLOCAGE DU PIVOT**
[72] QUINTUS, JAMES GERARD, US
[71] UNDERCOVER, INC., US
[22] 2019-09-23
[41] 2020-04-26
[30] US (16/172,452) 2018-10-26

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[51] **Int.Cl. F02C 7/36 (2006.01) F16H 48/05 (2012.01) B64D 13/00 (2006.01) B64D 41/00 (2006.01) F16H 1/46 (2006.01) F16H 48/06 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE WITH DIFFERENTIAL GEARBOX**
[54] **TURBINE A GAZ A BOITE D`ENGRENAGES DIFFERENTIELLE**
[72] REDFORD, TIMOTHY, CA
[72] MENHEERE, DAVID H., CA
[72] CHIAPPETTA, SANTO, CA
[72] VAN DEN ENDE, DANIEL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-10-01
[41] 2020-05-02
[30] US (16/179,252) 2018-11-02

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[51] **Int.Cl. F02C 9/18 (2006.01) F16H 48/05 (2012.01) B64D 13/00 (2006.01) B64D 41/00 (2006.01) F02C 7/36 (2006.01) F16H 1/46 (2006.01) F16H 48/06 (2006.01)**
[25] EN
[54] **AUXILIARY POWER UNIT**
[54] **GROUPE AUXILIAIRE DE PUISSANCE**
[72] REDFORD, TIMOTHY, CA
[72] MENHEERE, DAVID H., CA
[72] CHIAPPETTA, SANTO, CA
[72] VAN DEN ENDE, DANIEL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-10-01
[41] 2020-05-02
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[51] **Int.Cl. A61B 34/30 (2016.01) A61B 34/20 (2016.01) B25J 9/18 (2006.01) B25J 19/02 (2006.01)**
[25] EN
[54] **LOOSE MODE FOR ROBOT**
[54] **MODE RELACHE POUR ROBOT**
[72] GOVARI, ASSAF, IL
[72] GLINER, VADIM, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-10-02
[41] 2020-04-26
[30] US (16/171,996) 2018-10-26

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[13] A1
[51] **Int.Cl. F15D 1/10 (2006.01) B64C 7/00 (2006.01) B64C 23/06 (2006.01) B64D 33/08 (2006.01)**
[25] EN
[54] **AIRCRAFT ASSEMBLY WITH A HOT-AIR EXHAUST OUTLET**
[54] **ENSEMBLE POUR AERONEF DOTE D`UNE SORTIE D`AIR CHAUD DE VENTILATION**
[72] CUSTANCE, DENYS, GB
[72] HEALY, DAREN, GB
[71] AIRBUS OPERATIONS LIMITED, GB
[22] 2019-10-02
[41] 2020-04-26
[30] GB (1817479.7) 2018-10-26

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[51] **Int.Cl. B64D 11/00 (2006.01) B64C 1/00 (2006.01) G09F 9/00 (2006.01) G09G 3/00 (2006.01)**
[25] EN
[54] **PANELLING PART FOR A CABIN OF A MEANS OF TRANSPORTATION**
[54] **ELEMENT DE CARENAGE POUR CABINE D`UN MOYEN DE TRANSPORT**
[72] HAHN, DENNIS, DE
[72] KAISER, GUIDO, DE
[72] LINDE, PETER, DE
[71] AIRBUS OPERATIONS GMBH, DE
[22] 2019-10-03
[41] 2020-04-30
[30] DE (102018127044.5) 2018-10-30

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[51] **Int.Cl. A61B 34/20 (2016.01) G16H 50/00 (2018.01) A61B 5/053 (2006.01) A61B 5/042 (2006.01) A61B 18/14 (2006.01)**
[25] EN
[54] **USING RADIOFREQUENCY (RF) TRANSMISSION SYSTEM TO FIND OPENING IN TISSUE WALL**
[54] **UTILISATION D`UN SYSTEME DE TRANSMISSION EN RADIOFREQUENCE (RF) POUR DETECTER UNE OUVERTURE DANS UNE PAROI TISSULAIRE**
[72] GOVARI, ASSAF, IL
[72] ALTMANN, ANDRES CLAUDIO, IL
[72] GLINER, VADIM, IL
[72] BOUMENDIL, ALON, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-10-03
[41] 2020-05-01
[30] US (16/177,977) 2018-11-01

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[13] A1
[51] **Int.Cl. B60R 3/00 (2006.01) B60R 9/06 (2006.01)**
[25] EN
[54] **RECEIVER ADAPTER**
[54] **ADAPTATEUR DE RECEPTEUR**
[72] FULLER, JUSTIN DANIEL, US
[71] N-FAB, INC., US
[22] 2019-10-04
[41] 2020-04-26
[30] US (62/751,345) 2018-10-26

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[13] A1
[51] **Int.Cl. H04L 12/58 (2006.01) G06Q 10/10 (2012.01) G06F 40/205 (2020.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CUSTODIAL EMAIL MANAGEMENT AND TRANSACTION VERIFICATION**
[54] **SYSTEMES ET PROCEDES DE GESTION DE LA GARDE DU COURRIER ELECTRONIQUE DE VERIFICATION DES TRANSACTIONS**
[72] BENKREIRA, ABDELKADER, US
[72] MOSSOBA, MICHAEL, US
[72] EDWARDS, JOSHUA, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-10-07
[41] 2020-04-30
[30] US (16/176,319) 2018-10-31

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[51] **Int.Cl. F16M 13/02 (2006.01) A47K 3/00 (2006.01) A61H 33/00 (2006.01) B65G 7/00 (2006.01) B66F 11/00 (2006.01)**
[25] EN
[54] **SPA ACCESSORY MOUNTING ASSEMBLY**
[54] **DISPOSITIF DE FIXATION DES ACCESSOIRES DE SPA**
[72] CUNERTY, JOHN JOSEPH, CA
[71] CUNERTY, JOHN JOSEPH, CA
[22] 2019-10-09
[41] 2020-04-26
[30] US (62/751,195) 2018-10-26

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[13] A1
[51] **Int.Cl. B64D 35/00 (2006.01) F16D 11/14 (2006.01) F16D 19/00 (2006.01) F16D 23/12 (2006.01)**
[25] EN
[54] **AIRCRAFT ENGINE WITH CLUTCH AND MECHANICAL LOCK**
[54] **MOTEUR D`AERONEF A EMBRAYAGE ET VERROU MECANIQUE**
[72] BERUBE, STEPHANE, CA
[72] VILLENEUVE, BRUNO, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-10-08
[41] 2020-04-29
[30] US (16/173,209) 2018-10-29

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[13] A1
[51] **Int.Cl. B64D 33/08 (2006.01) B64D 37/34 (2006.01) F16N 39/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR COOLING AN AUXILIARY POWER UNIT USING AIRCRAFT FUEL**
[54] **PROCEDE ET SYSTEME DE REFROIDISSEMENT D`UN GROUPE AUXILIAIRE DE PUISSANCE CONSOMMANT DU CARBURANT POUR AERONEF**
[72] JULIEN, ANDRE, CA
[72] DUSSAULT, SERGE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-10-08
[41] 2020-04-29
[30] US (16/173,054) 2018-10-29

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[13] A1
[51] **Int.Cl. H01M 10/663 (2014.01)**
[25] EN
[54] **BATTERY HEATING IN HYBRID ELECTRIC POWER PLANT**
[54] **CHAUFFAGE DE BATTERIE DANS UN GROUPE ELECTROGENE DE VEHICULE HYBRIDE**
[72] DUSSAULT, SERGE, CA
[72] JULIEN, ANDRE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-10-08
[41] 2020-04-26
[30] US (16/171,473) 2018-10-26

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[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01)**
[25] EN
[54] **RESOLVING OPAQUENESS OF COMPLEX MACHINE LEARNING APPLICATIONS**
[54] **RESOLUTION DE L`OPACITE D`APPLICATIONS D`APPRENTISSAGE AUTOMATIQUE COMPLEXE**
[72] NAIR, VIJAYAN N., US
[72] SUDJIANTO, AGUS, US
[72] CHEN, JIE, US
[72] SCHIEDING, KURT, US
[72] HU, LINWEI, US
[72] LIU, XIAOYU, US
[72] VAUGHAN, JOEL, US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2019-10-10
[41] 2020-05-02
[30] US (16/179,073) 2018-11-02

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[13] A1
[51] **Int.Cl. F25B 43/02 (2006.01) F25B 5/02 (2006.01) F25B 49/02 (2006.01)**
[25] EN
[54] **COOLING SYSTEM**
[54] **SYSTEME DE REFROIDISSEMENT**
[72] SUN, XI, US
[72] ZHA, SHITONG, US
[71] HEATCRAFT REFRIGERATION PRODUCTS LLC, US
[22] 2019-10-10
[41] 2020-04-30
[30] US (16/174,576) 2018-10-30

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[13] A1
[51] **Int.Cl. A01M 13/00 (2006.01) A01M 1/20 (2006.01)**
[25] EN
[54] **INSECT CONTROL DEVICE AND METHOD FOR HOUSEHOLD OUTDOOR GARBAGE RECEPTABLES**
[54] **DISPOSITIF ET METHODE DE LUTTE CONTRE LES INSECTES POUR POUBELLES POUR ORDURES MENAGERES EXTERIEURES**
[72] MATEER, CHAD, US
[71] WOODSTREAM CORPORATION, US
[22] 2019-10-10
[41] 2020-04-26
[30] US (62/751.154) 2018-10-26
[30] US (16/583.329) 2019-09-26

[21] **3,058,609**
[13] A1
[51] **Int.Cl. B65B 13/20 (2006.01) B65B 13/04 (2006.01) B65B 13/18 (2006.01)**
[25] EN
[54] **PRESS-TYPE STRAPPING MACHINE WITH IMPROVED TOP-PLATEN CONTROL**
[54] **CERCLEUSE A POUSSOIR AVEC COMMANDE DE PLAQUE DE MAINTIEN SUPERIEURE AMELIOREE**
[72] TERMANUS, JEFFREY D., US
[72] CIURKOT, JANUSZ, US
[72] MASON, THOMAS M., US
[71] SIGNODE INDUSTRIAL GROUP LLC, US
[22] 2019-10-11
[41] 2020-05-01
[30] US (62/754,197) 2018-11-01
[30] US (16/590,978) 2019-10-02

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[13] A1
[51] **Int.Cl. B64D 25/118 (2006.01) B64D 17/62 (2006.01)**
[25] EN
[54] **EMERGENCY MANUAL PARACHUTE OPERATION SYSTEM**
[54] **SYSTEME MANUEL D`OUVERTURE DE PARACHUTE EN CAS D`URGENCE**
[72] MARUTZKY, KYLER, US
[72] BROWNSBERGER, TIMOTHY, US
[72] BENJAMIN, JEFF, US
[71] AMI INDUSTRIES, INC., US
[22] 2019-10-11
[41] 2020-04-29
[30] US (16/173,957) 2018-10-29

[21] **3,058,838**
[13] A1
[51] **Int.Cl. H02M 1/32 (2007.01) B64D 27/24 (2006.01) H02H 3/16 (2006.01)**
[25] EN
[54] **CONTROL OF AN ELECTRICAL POWER SYSTEM RESPONSIVE TO SENSING A GROUND FAULT**
[54] **COMMANDE D`UN SYSTEME D`ALIMENTATION ELECTRIQUE ADAPTE POUR LA DETECTION D`UN DEFAUT A LA TERRE**
[72] LODER, DAVID, US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
[22] 2019-10-16
[41] 2020-04-26
[30] US (16/172,007) 2018-10-26

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[13] A1
[51] **Int.Cl. A47G 27/02 (2006.01) B32B 3/12 (2006.01) B32B 27/04 (2006.01) D06N 7/00 (2006.01) E04F 15/02 (2006.01) E04F 15/16 (2006.01)**
[25] EN
[54] **SCRIM-REINFORCED CUSHION MAT FOR CARPET TILES**
[54] **MATELAS RENFORCE DE RENFORT TISSE POUR CARREAUX DE TAPIS**
[72] HIMSTEDT, HEATH H., US
[72] NANDI, SOUVIK, US
[72] HORN, KATELYN GRACE, US
[72] SHARPE, PHILIP CHRISTOPHER, US
[71] JOHNS MANVILLE, US
[22] 2019-10-16
[41] 2020-05-02
[30] US (16/179,269) 2018-11-02

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[13] A1
[51] **Int.Cl. B60Q 1/02 (2006.01)**
[25] EN
[54] **COWL COVER LIGHT MOUNT ASSEMBLY**
[54] **SUPPORT DE MONTAGE POUR ECLAIRAGE DE COUVERCLE DE DEFLECTEUR**
[72] GUTIERREZ, CARLOS, US
[71] LUND MOTION PRODUCTS, INC., US
[22] 2019-10-15
[41] 2020-04-26
[30] US (62/751453) 2018-10-26
[30] US (62/793538) 2019-01-17
[30] US (16/573553) 2019-09-17

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[13] A1
[51] **Int.Cl. B60J 7/10 (2006.01) B60J 7/12 (2006.01)**
[25] EN
[54] **FOLD-BACK SOFT TOP FOR A VEHICLE**
[54] **TOIT DECAPOTABLE POUR VEHICULE**
[72] GAUCI, JASON, US
[71] LUND MOTION PRODUCTS, INC., US
[22] 2019-10-15
[41] 2020-04-26
[30] US (62/751,048) 2018-10-26
[30] US (16/573,356) 2019-09-17

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[51] **Int.Cl. F21S 45/10 (2018.01) B60Q 1/02 (2006.01)**
[25] EN
[54] **LIGHT GUARD ASSEMBLY**
[54] **ENSEMBLE PROTEGE-FEU**
[72] GUTIERREZ, CARLOS, US
[71] LUND MOTION PRODUCTS, INC., US
[22] 2019-10-16
[41] 2020-04-26
[30] US (62/751,482) 2018-10-26
[30] US (62/793,576) 2019-01-17
[30] US (16/593,156) 2019-10-04

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[13] A1
[51] **Int.Cl. B62D 21/10 (2006.01) B60R 19/54 (2006.01) B62D 21/00 (2006.01)**
[25] EN
[54] **SKID PLATE ASSEMBLY**
[54] **ENSEMBLE PLAQUE DE PROTECTION**
[72] GUTIERREZ, CARLOS, US
[71] LUND MOTION PRODUCTS, INC., US
[22] 2019-10-16
[41] 2020-04-26
[30] US (62/751,465) 2018-10-26
[30] US (62/793,581) 2019-01-17
[30] US (62/804,948) 2019-02-13
[30] US (15/593,047) 2019-10-04

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[51] **Int.Cl. B64C 11/32 (2006.01) B64C 11/06 (2006.01) B64C 27/82 (2006.01)**
[25] FR
[54] **CARENE SYSTEM AND AIRCRAFT**
[54] **SYSTEME CARENE ET AERONEF**
[72] SERR, CHRISTOPHE, FR
[72] JALAGUIER, JEAN-PIERRE, FR
[71] AIRBUS HELICOPTERS, FR
[22] 2019-10-16
[41] 2020-04-26
[30] FR (1801135) 2018-10-26

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[51] **Int.Cl. B60P 1/43 (2006.01)**
[25] EN
[54] **RAMP SYSTEM FOR A MOTORIZED VEHICLE**
[54] **SYSTEME DE RAMPE POUR VEHICULE MOTORISE**
[72] COLLETT, PAUL, CA
[71] FREEDOM MOTORS INC., CA
[22] 2019-10-17
[41] 2020-04-26
[30] US (16/171.403) 2018-10-26

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[13] A1
[51] **Int.Cl. B60R 9/08 (2006.01) B60R 9/04 (2006.01)**
[25] EN
[54] **WATER-PROOF SEALING STRUCTURE FOR VEHICLE ROOF RACK**
[54] **STRUCTURE DE SCELLAGE ETANCHE A L`EAU POUR SUPPORT DE TOIT DE VEHICULE**
[72] WANG, CHIU-KUEI, CN
[71] KING RACK INDUSTRIAL CO., LTD., CN
[22] 2019-10-18
[41] 2020-04-30
[30] TW (107138396) 2018-10-30

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[51] **Int.Cl. H02K 16/04 (2006.01) H02K 11/20 (2016.01) H02K 11/30 (2016.01) H02P 1/16 (2006.01)**
[25] EN
[54] **MOTOR DEVICE**
[54] **DISPOSITIF DE MOTEUR**
[72] CHEN, FENG-TIEN, CN
[71] CHEN, FENG-TIEN, CN
[22] 2019-10-21
[41] 2020-04-26
[30] TW (107138082) 2018-10-26

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[51] **Int.Cl. G06F 3/048 (2013.01) G06F 9/451 (2018.01) G16H 10/20 (2018.01) G06F 9/445 (2018.01)**
[25] EN
[54] **ELECTRONIC CLINICAL CASE REPORTING**
[54] **SYSTEME DE SIGNALEMENT ELECTRONIQUE DE CAS CLINIQUES**
[72] LEHTOMAKI, RIKU, FI
[72] HAAMAN, ARI, FI
[72] HUMINIUC, MIHAI, FI
[72] PATRAS, SILVIU, FI
[71] CRF BOX OY, FI
[22] 2019-10-21
[41] 2020-04-30
[30] FI (20185918) 2018-10-31

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[51] **Int.Cl. C09D 167/08 (2006.01) C09D 7/80 (2018.01) C09D 161/20 (2006.01) C09D 183/00 (2006.01)**
[25] EN
[54] **ACID-CURED COATING COMPOSITION WITH LOW FREE FORMALDEHYDE EMISSION AND PREPARATION METHOD THEREOF**
[54] **COMPOSITION DE REVETEMENT DURCI A L`ACIDE A FAIBLES EMISSIONS DE FORMALDEHYDE LIBRE ET SON PROCEDE DE PREPARATION**
[72] YANG, WEI, CN
[72] TAO, JIE, CN
[71] GUANGDONG HUARUN PAINTS CO., LTD., CN
[22] 2019-10-18
[41] 2020-04-30
[30] CN (201811286026.1) 2018-10-31

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[51] **Int.Cl. E05B 65/10 (2006.01) E05B 15/00 (2006.01) E05C 1/14 (2006.01)**
[25] EN
[54] **RETROFIT LATCH ADAPTER**
[54] **ADAPTATEUR DE VERROU DE RATTRAPAGE**
[72] BAKER, VINCENT, US
[72] THOMPSON, DOUGLAS, US
[72] CONNELL, MICHAEL, US
[72] HERMAN, CATELYN, US
[71] ASSA ABLOY ACCESSORIES AND DOOR CONTROLS GROUP, INC., US
[22] 2019-10-22
[41] 2020-04-26
[30] US (62/751297) 2018-10-26
[30] US (16/521353) 2019-07-24

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[51] **Int.Cl. H02G 15/18 (2006.01) G01R 15/16 (2006.01)**
[25] EN
[54] **SHRINKABLE CABLE JOINT AND VOLTAGE SENSOR**
[54] **JONCTION DE CABLES RETRACTABLE ET CAPTEUR DE TENSION**
[72] TESTA, LUIGI, IT
[72] TOGNALI, STEPHANE, IT
[71] PRYSMIAN S.P.A., IT
[22] 2019-10-22
[41] 2020-04-30
[30] EP (18306422.9) 2018-10-30

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[13] A1
[51] **Int.Cl. B05B 12/14 (2006.01)**
[25] EN
[54] **METHODS, APPARATUSES, AND SYSTEMS FOR SMART DELIVERY OF COATING MATERIAL**
[54] **METHODES, APPAREILS ET SYSTEMES POUR ADMINISTRATION ASTUCIEUSE D`UN REVETEMENT**
[72] SHE, CHUNXING, US
[72] GAYLE, DAVID MICHAEL, US
[71] THE BOEING COMPANY, US
[22] 2019-10-22
[41] 2020-05-02
[30] US (16/179066) 2018-11-02

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[51] **Int.Cl. E05B 65/462 (2017.01) A47B 88/919 (2017.01) B25H 5/00 (2006.01)**
[25] EN
[54] **DRAWER LATCH SYSTEM**
[54] **SYSTEME DE VERROUILLAGE DE TIROIR**
[72] ROSE, WAYNE P., US
[72] EVERMAN, KYLE J., US
[72] HONG, JANG SUN, US
[71] THE CORNWELL QUALITY TOOLS COMPANY, US
[22] 2019-10-23
[41] 2020-04-29
[30] US (16/172914) 2018-10-29

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[13] A1
[51] **Int.Cl. B25B 7/00 (2006.01) B25B 7/02 (2006.01)**
[25] EN
[54] **AXIAL PLIERS**
[54] **PINCES AXIALES**
[72] KUTER-ARNEBECK, OTTOLEO, US
[72] PAUL, RUPAK K., US
[71] SNAP-ON INCORPORATED, US
[22] 2019-10-23
[41] 2020-05-02
[30] US (62/754,772) 2018-11-02
[30] US (16/601,927) 2019-10-15

[21] **3,059,713**
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[51] **Int.Cl. E01D 21/00 (2006.01) E01D 19/00 (2006.01)**
[25] EN
[54] **BRIDGE OVERHANG BRACKET ASSEMBLY WITH CONNECTION ELEMENT**
[54] **ENSEMBLE SUPPORT DE PORTE-A-FAUX DE PONT AVEC ELEMENT DE RACCORD**
[72] JACKSON, BARRY WALTER, CA
[72] JACKSON, DAVID GEORGE, CA
[71] JACKSON, BARRY WALTER, CA
[71] JACKSON, DAVID GEORGE, CA
[22] 2019-10-23
[41] 2020-04-26
[30] US (62/750,936) 2018-10-26

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[51] **Int.Cl. F24H 8/00 (2006.01) B01D 5/00 (2006.01) F24D 5/02 (2006.01) F24D 19/08 (2006.01) F24H 3/06 (2006.01) F24H 9/16 (2006.01)**
[25] EN
[54] **FREEZE PROTECTED CONDENSATE SYSTEM**
[54] **SYSTEME DE CONDENSAT PROTEGE CONTRE LE GEL**
[72] JOYNER, GEORGE L., JR., US
[72] MOODY, RANDALL, US
[72] GEDCKE, JEFF, US
[72] RAKOWSKI, MARK, US
[71] ALLIED AIR ENTERPRISES INC., US
[22] 2019-10-23
[41] 2020-05-02
[30] US (16/178,811) 2018-11-02

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[13] A1
[51] **Int.Cl. B62B 7/06 (2006.01) A47D 1/00 (2006.01) B62B 3/02 (2006.01)**
[25] EN
[54] **FOLDING DEVICE AND CHILD CARRIER THEREWITH**
[54] **MECANISME PLIANT ET PORTE-BEBE COMPORTANT CE MECANISME**
[72] ZHONG, ZHI-REN, CN
[71] WONDERLAND SWITZERLAND AG, CH
[22] 2019-10-23
[41] 2020-04-30
[30] CN (201821779091.3) 2018-10-30

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[51] **Int.Cl. B65G 1/137 (2006.01) G06Q 10/08 (2012.01)**
[25] FR
[54] **PILOTING PROCESS IN FLOW MODE OF A BUFFER STORAGE AND CHARGE SEQUENCING SYSTEM, AND CORRESPONDING PILOTING UNIT**
[54] **PROCEDE DE PILOTAGE EN MODE FLUX D'UN SYSTEME DE STOCKAGE TAMPON ET DE SEQUENCEMENT DE CHARGES, ET UNITE DE PILOTAGE CORRESPONDANTE**
[72] PIETROWICZ, STEPHANE, FR
[72] COLLIN, JEAN-MICHEL, FR
[72] VACHER, BLANDINE, FR
[71] SAVOYE, FR
[22] 2019-10-23
[41] 2020-04-30
[30] FR (1860028) 2018-10-30

[21] **3,059,742**
[13] A1
[51] **Int.Cl. B65B 1/06 (2006.01)**
[25] EN
[54] **AUTOMATIC BAG FILLING MACHINE WITH SEVERAL FILLING STATIONS**
[54] **ENSACHEUSE AUTOMATIQUE AVEC PLUSIEURS POSTES DE REMPLISSAGE**
[72] CONCETTI, TEODORO, IT
[72] CONCETTI, EMANUELE, IT
[71] CONCETTI S.P.A., IT
[22] 2019-10-23
[41] 2020-04-30
[30] IT (102018000009899) 2018-10-30

[21] **3,059,746**
[13] A1
[51] **Int.Cl. B65G 1/137 (2006.01) G06Q 10/08 (2012.01)**
[25] FR
[54] **PILOTING PROCESS IN SORTING MODE OF A BUFFER STORAGE SYSTEM AND CHARGE SEQUENCING SYSTEM, AND CORRESPONDING PILOTING UNIT**
[54] **PROCEDE DE PILOTAGE EN MODE TRI D'UN SYSTEME DE STOCKAGE TAMPON ET DE SEQUENCEMENT DE CHARGES, ET UNITE DE PILOTAGE CORRESPONDANTE**
[72] PIETROWICZ, STEPHANE, FR
[72] COLLIN, JEAN-MICHEL, FR
[72] VACHER, BLANDINE, FR
[71] SAVOYE, FR
[22] 2019-10-23
[41] 2020-04-30
[30] FR (1860027) 2018-10-30

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[13] A1
[51] **Int.Cl. F03B 15/00 (2006.01) H02J 3/38 (2006.01) H02K 7/18 (2006.01) H02P 9/04 (2006.01)**
[25] EN
[54] **METHOD FOR STARTING A HYDRAULIC TURBINE**
[54] **PROCEDE DE DEMARRAGE D`UNE TURBINE HYDRAULIQUE**
[72] GUILLAUME, RENAUD, FR
[72] ALLOIN, QUENTIN, FR
[72] TELLER, OLIVIER, FR
[71] GE RENEWABLE TECHNOLOGIES, FR
[22] 2019-10-23
[41] 2020-04-29
[30] EP (18306412.0) 2018-10-29

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[13] A1
[51] **Int.Cl. H02H 7/10 (2006.01) H02J 13/00 (2006.01) H02M 1/00 (2007.10)**
[25] EN
[54] **PROTECTION COORDINATION TECHNIQUE FOR POWER CONVERTERS**
[54] **TECHNIQUE DE COORDINATION DE PROTECTION POUR CONVERTISSEURS DE PUISSANCE**
[72] LODER, DAVID, US
[72] TRAWICK, DAVID RUSSELL, US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
[22] 2019-10-24
[41] 2020-04-29
[30] US (16/174,076) 2018-10-29

[21] **3,059,844**
[13] A1
[51] **Int.Cl. H01B 7/24 (2006.01) H01B 9/00 (2006.01)**
[25] EN
[54] **REINFORCED SUBMARINE POWER CABLE**
[54] **CABLE D`ALIMENTATION SOUS-MARIN RENFORCE**
[72] TYRBERG, ANDREAS, SE
[72] NORDLUND, KRISTER, SE
[71] NKT HV CABLES AB, SE
[22] 2019-10-24
[41] 2020-04-26
[30] EP (18202837.3) 2018-10-26

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[13] A1
[51] **Int.Cl. G01R 33/02 (2006.01) B25J 5/00 (2006.01) B25J 9/18 (2006.01) B25J 19/02 (2006.01) G01N 27/72 (2006.01) G01V 3/165 (2006.01)**
[25] EN
[54] **MAGNETIC ADHESIVE FORCE MONITORING SYSTEM FOR MAGNETIC WHEELED ROBOT**
[54] **SYSTEME DE SURVEILLANCE DE FORCE D`ADHERENCE MAGNETIQUE POUR ROBOT A ROUES MAGNETIQUES**
[72] OETIKER, MORITZ BENJAMIN, CH
[72] WIESENDANGER, MARKUS, CH
[72] BAUR, WALTER, CH
[72] WYDER, HANS, CH
[71] GENERAL ELECTRIC COMPANY, US
[22] 2019-10-24
[41] 2020-04-26
[30] US (16/172079) 2018-10-26

[21] **3,059,855**
[13] A1
[51] **Int.Cl. B60R 9/00 (2006.01) B62D 33/02 (2006.01)**
[25] EN
[54] **VEHICLE RACK ASSEMBLY**
[54] **ENSEMBLE SUPPORT POUR VEHICULE**
[72] VICKERY, STEVE, US
[71] ROCK-N-LOCK CORPORATION, US
[22] 2019-10-23
[41] 2020-04-26
[30] US (62/751,384) 2018-10-26
[30] US (62/776,937) 2018-12-07

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[13] A1
[51] **Int.Cl. B60J 11/06 (2006.01) B60Q 1/02 (2006.01) B60R 19/00 (2006.01)**
[25] EN
[54] **VEHICLE BODY SHIELD**
[54] **PROTECTEUR DE CARROSSERIE DE VEHICULE**
[72] GAUCI, JASON, US
[72] GUTIERREZ, CARLOS, US
[71] LUND, INC., US
[22] 2019-10-23
[41] 2020-04-26
[30] US (62/751477) 2018-10-26

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[51] **Int.Cl. B60J 1/20 (2006.01) B60J 7/00 (2006.01) B62D 63/04 (2006.01)**
[25] EN
[54] **WINDOW DEFLECTOR ASSEMBLY WITH MOUNTING CLIPS**
[54] **SYSTEME DE DEFLECTEUR DE VITRE AVEC BRIDES DE FIXATION**
[72] ROSE, BRENT LORENZ, US
[71] LUND, INC., US
[22] 2019-10-23
[41] 2020-04-26
[30] US (62/751,152) 2018-10-26

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[13] A1
[51] **Int.Cl. B24D 13/12 (2006.01)**
[25] EN
[54] **BUFFING SPHEROCYLINDER MADE OF COMPRESSED MATERIAL**
[54] **SPHEROCYLINDRE DE POLISSAGE CONSTITUE D`UN MATERIAU COMPACTE**
[72] MCLAIN, SCOTT S., US
[71] LAKE COUNTRY MANUFACTURING, INC., US
[22] 2019-10-24
[41] 2020-04-29
[30] US (16/173,227) 2018-10-29

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[13] A1
[51] **Int.Cl. G06Q 40/02 (2012.01) G06N 20/00 (2019.01)**
[25] EN
[54] **USER CREDIT EVALUATION METHOD AND DEVICE, ELECTRONIC DEVICE, STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL D`EVALUATION DE CREDIT DE L`UTILISATEUR, DISPOSITIF ELECTRONIQUE, SUPPORT DE STOCKAGE**
[72] CHEN, PENGCHENG, CN
[72] MA, YING, CN
[72] CHEN, JINHUI, CN
[71] 10353744 CANADA LTD., CA
[22] 2019-10-24
[41] 2020-04-26
[30] CN (201811260889.1) 2018-10-26

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[13] A1
[51] **Int.Cl. B65D 55/02 (2006.01) B65D 23/00 (2006.01) B65D 41/04 (2006.01) B65D 49/00 (2006.01)**
[25] EN
[54] **SPIRALLY THREADED MOLDED BOTTLE FINISH HAVING REMOVABLE AND NONREMOVABLE CLOSURES AND CLOSURES THEREFORE**
[54] **GOULOT DE BOUTEILLE MOULE FILETE EN SPIRALE AVEC BOUCHONS AMOVIBLES ET NON AMOVIBLES ET LES BOUCHONS POUR CE GOULOT**
[72] KUZMA, GENE J., US
[72] HERSTOL, TRISTAN O., US
[72] NISWONGER, THEODORE R., US
[71] GK PACKAGING, INC., US
[22] 2019-10-24
[41] 2020-04-29
[30] US (16/173,815) 2018-10-29

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[13] A1
[51] **Int.Cl. B02C 7/12 (2006.01) D21D 1/00 (2006.01) D21D 1/30 (2006.01)**
[25] EN
[54] **SUPPORTED TOOTHED PLATES IN A DISPERSER**
[54] **PLAQUES DENTEES MONTEES DANS UN DISPERSEUR**
[72] GINGRAS, LUC, GB
[71] ANDRITZ INC., US
[22] 2019-10-24
[41] 2020-04-29
[30] US (62/752,077) 2018-10-29
[30] US (62/844,570) 2019-05-07
[30] US (16/656,721) 2019-10-18

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[51] **Int.Cl. B64D 33/00 (2006.01) B64D 27/24 (2006.01) B64D 35/00 (2006.01) F02C 7/268 (2006.01) F02C 7/32 (2006.01) F02C 7/36 (2006.01) H02K 7/18 (2006.01)**
[25] EN
[54] **HYBRID STARTER MOTOR-GENERATOR**
[54] **DEMARREUR GROUPE ELECTROGENE HYBRIDE**
[72] STUCKEY, CLAIRE ELIZABETH, US
[71] ROLLS-ROYCE CORPORATION, US
[22] 2019-10-24
[41] 2020-04-26
[30] US (16/171,896) 2018-10-26

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[13] A1
[51] **Int.Cl. G06F 16/95 (2019.01) H04L 12/16 (2006.01) H04L 29/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR RETRIEVING WEB DATA**
[54] **SYSTEMES ET PROCEDES DE RECUPERATION DE DONNEES WEB**
[72] DUBE-COUSINEAU, JULIEN, CA
[71] FLINKS TECHNOLOGY INC., CA
[22] 2019-10-24
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[30] US (16/176,840) 2018-10-31

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[51] **Int.Cl. H01F 7/18 (2006.01) H03K 17/00 (2006.01)**
[25] EN
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[54] **CIRCUIT DE CHANGEMENT DE MODE AUTONOME POUR ACTIONNEURS A SOLENOIDE**
[72] MUHAMMAD, SHIHAB T. A., IN
[72] CHITIRALA, PRADEEP, IN
[72] BAPAT, SHARDUL SHRINIVAS, IN
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2019-10-23
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[30] IN (201811041108) 2018-10-31

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[51] **Int.Cl. G06Q 20/32 (2012.01) H04W 12/06 (2009.01) G06Q 20/24 (2012.01) G06Q 20/36 (2012.01) G06Q 20/40 (2012.01) H04W 4/30 (2018.01)**
[25] EN
[54] **SEAMLESS ELECTRONIC SYSTEM AND METHOD FOR APPLICATION, ACCEPTANCE OF, AUTHORIZING ACCESS TO, AND TRACKING PURCHASES MADE WITH A NEW CREDIT ACCOUNT**
[54] **SYSTEME ELECTRONIQUE ET METHODE FLUIDES POUR L`APPLICATION, L`ACCEPTATION, L`AUTORISATION DE L`ACCES ET LE SUIVI DES ACHATS EFFECTUES AU MOYEN D`UN NOUVEAU COMPTE DE CREDIT**
[72] SCHMIDT, MIKE, US
[71] COMENITY LLC, US
[22] 2019-10-25
[41] 2020-05-02
[30] US (16/571885) 2019-09-16
[30] US (62/755275) 2018-11-02

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[51] **Int.Cl. G06N 3/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MAX-MARGIN ADVERSARIAL TRAINING**
[54] **SYSTEME ET PROCEDE D`ENTRAINEMENT CONTRADICTOIRE A MARGE MAXIMALE**
[72] DING, WEIGUANG, CA
[72] SHARMA, YASH, CA
[72] LUI, YIK CHAU, CA
[72] HUANG, RUITONG, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2019-10-25
[41] 2020-04-26
[30] US (62/751,281) 2018-10-26

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[13] A1
[51] **Int.Cl. A24F 40/50 (2020.01) G16H 20/10 (2018.01) A24F 40/40 (2020.01) A24F 40/65 (2020.01) A61M 15/06 (2006.01)**
[25] EN
[54] **VAPORIZER SYSTEM WITH DOSE-METERING FOR REDUCING CONSUMPTION OF A SUBSTANCE**
[54] **SYSTEME DE VAPORISATEUR AVEC DOSEUR POUR REDUIRE LA CONSOMMATION D`UNE SUBSTANCE**
[72] DAVIS, STEPHEN, CA
[72] GUAY, SHANE, CA
[72] PENNEY, STEVEN, CA
[72] POPPLEWELL, PETER, CA
[72] STEWART, ANDREW, CA
[71] CANOPY GROWTH CORPORATION, CA
[22] 2019-10-25
[41] 2020-04-26
[30] US (62/751292) 2018-10-26
[30] US (16/663738) 2019-10-25
[30] EP (19205350.2) 2019-10-25

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[13] A1
[51] **Int.Cl. A47K 10/16 (2006.01) B65D 85/67 (2006.01) B65H 18/28 (2006.01)**
[25] EN
[54] **SANITARY TISSUE PRODUCT ROLLS**
[54] **ROULEAUX DE PAPIER HYGIENIQUE**
[72] MITCHELL, KEVIN, US
[72] REINERMAN, ROBERT EDWARD, US
[72] BARKEY, DOUGLAS J., US
[72] GREEN, MARK ALAN, US
[72] TROKHAN, PAUL DENNIS, US
[72] BILLS, J. MICHAEL, US
[72] SHEEHAN, JEFFREY GLEN, US
[72] WEISMAN, PAUL THOMAS, US
[71] THE PROCTER & GAMBLE COMPANY, US
[22] 2019-10-25
[41] 2020-04-26
[30] US (62/751,034) 2018-10-26

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[13] A1
[51] **Int.Cl. A47K 10/16 (2006.01) B65D 85/67 (2006.01) B65H 18/28 (2006.01)**
[25] EN
[54] **SANITARY TISSUE PRODUCT ROLLS**
[54] **ROULEAUX DE PAPIER HYGIENIQUE**
[72] MITCHELL, KEVIN, US
[72] REINERMAN, ROBERT EDWARD, US
[72] BARKEY, DOUGLAS J., US
[72] GREEN, MARK ALAN, US
[72] TROKHAN, PAUL DENNIS, US
[72] BILLS, J. MICHAEL, US
[72] SHEEHAN, JEFFREY GLEN, US
[72] WEISMAN, PAUL THOMAS, US
[71] THE PROCTER & GAMBLE COMPANY, US
[22] 2019-10-25
[41] 2020-04-26
[30] US (62/750,888) 2018-10-26

[21] **3,060,193**
[13] A1
[51] **Int.Cl. A47K 10/16 (2006.01) B65D 85/67 (2006.01) B65H 18/28 (2006.01)**
[25] EN
[54] **PAPER TOWEL ROLLS**
[54] **ROULEAUX D`ESSUIE-TOUT**
[72] MITCHELL, KEVIN, US
[72] REINERMAN, ROBERT EDWARD, US
[72] BARKEY, DOUGLAS J., US
[72] GREEN, MARK ALAN, US
[72] TROKHAN, PAUL DENNIS, US
[72] BILLS, J. MICHAEL, US
[72] SHEEHAN, JEFFREY GLEN, US
[72] WEISMAN, PAUL THOMAS, US
[71] THE PROCTER & GAMBLE COMPANY, US
[22] 2019-10-25
[41] 2020-04-26
[30] US (62/750,920) 2018-10-26

[21] **3,060,211**
[13] A1
[51] **Int.Cl. A47K 10/16 (2006.01) B65D 85/67 (2006.01) B65H 18/28 (2006.01)**
[25] EN
[54] **SANITARY TISSUE PRODUCT ROLLS**
[54] **ROULEAUX DE PAPIER HYGIENIQUE**
[72] MITCHELL, KEVIN, US
[72] REINERMAN, ROBERT EDWARD, US
[72] BARKEY, DOUGLAS J., US
[72] GREEN, MARK ALAN, US
[72] TROKHAN, PAUL DENNIS, US
[72] BILLS, J. MICHAEL, US
[72] SHEEHAN, JEFFREY GLEN, US
[72] WEISMAN, PAUL THOMAS, US
[71] THE PROCTER & GAMBLE COMPANY, US
[22] 2019-10-25
[41] 2020-04-26
[30] US (62/751,045) 2018-10-26

[21] **3,060,229**
[13] A1
[51] **Int.Cl. C02F 1/52 (2006.01) C02F 1/24 (2006.01) C02F 1/38 (2006.01) C02F 11/12 (2019.01) C10G 1/04 (2006.01)**
[25] EN
[54] **COLLECTORS FOR TREATING TAILINGS**
[54] **COLLECTEURS POUR TRAITEMENT DE RESIDUS**
[72] YUAN, SIMON, CA
[72] LORENTZ, JAMES, CA
[72] SIMAN, RON, CA
[71] SYNCRUDE CANADA LTD., CA
[22] 2019-10-25
[41] 2020-04-26
[30] US (62/751,347) 2018-10-26

[21] **3,060,231**
[13] A1
[51] **Int.Cl. B25C 7/00 (2006.01) B25C 1/00 (2006.01) B25C 5/00 (2006.01) B25C 5/16 (2006.01)**
[25] EN
[54] **WORK ACCESSORY FOR STAPLER**
[54] **ACCESSOIRES POUR AGRAFEUSE**
[72] SCOTT, ZACHARY P., US
[72] ALTENBURGER, RYAN, US
[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, CN
[22] 2019-10-25
[41] 2020-04-30
[30] US (16/174,383) 2018-10-30

[21] **3,060,237**
[13] A1
[51] **Int.Cl. B60R 21/34 (2011.01)**
[25] EN
[54] **VEHICLE SIDE RAIL SYSTEM**
[54] **SYSTEME DE RAIL LATERAL DE VEHICULE**
[72] HARRISON, GERALD, CA
[71] NU-LINE PRODUCTS INC., CA
[22] 2019-10-25
[41] 2020-04-30
[30] US (62/752,677) 2018-10-30
[30] US (16/653,510) 2019-10-15

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[13] A1
[51] **Int.Cl. G06Q 10/04 (2012.01) G06Q 10/06 (2012.01) E21B 44/00 (2006.01) E21C 41/00 (2006.01) G06N 20/00 (2019.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR ONLINE MONITORING AND OPTIMIZATION OF MINING AND MINERAL PROCESSING OPERATIONS**
[54] **PROCEDE ET SYSTEME DE SURVEILLANCE ET D`OPTIMISATION EN LIGNE D`OPERATIONS D`EXPLOITATION MINIERE ET DE TRAITEMENT DE MINERAIS**
[72] RUNKANA, VENKATARAMANA, IN
[72] NADIMPALLI, NAGARAVI KUMAR VARMA, IN
[72] PAREEK,ADITYA, IN
[72] MASAMPALLY, VISHNU SWAROOPJI, IN
[71] TATA CONSULTANCY SERVICES LIMITED, IN
[22] 2019-10-25
[41] 2020-04-26
[30] IN (201821040541) 2018-10-26

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[13] A1
[51] **Int.Cl. G06Q 20/40 (2012.01) H04W 12/02 (2009.01) H04W 12/04 (2009.01) H04W 12/06 (2009.01) G06Q 20/12 (2012.01) G06Q 20/32 (2012.01) H04W 4/021 (2018.01) G06K 9/18 (2006.01)**
[25] EN
[54] **VALIDATION USING KEY PAIRS AND INTERPROCESS COMMUNICATIONS**
[54] **VALIDATION AU MOYEN DE PAIRES DE CLES ET COMMUNICATIONS INTERPROCESSUS**
[72] MANDAARA, NISHANTH, US
[72] SINGH, GURMEET, US
[72] SETHIA, TARANG SWADESHKUMAR, US
[72] SURI, MANINDER SINGH, US
[71] 7-ELEVEN, INC., US
[22] 2019-10-25
[41] 2020-04-29
[30] US (62/751,804) 2018-10-29
[30] US (16/176,269) 2018-10-31

[21] **3,060,269**
[13] A1
[51] **Int.Cl. G06F 3/01 (2006.01) G06F 3/0346 (2013.01) B64D 11/00 (2006.01) G06F 3/042 (2006.01) G09G 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING PASSENGER INTERFACES**
[54] **SYSTEME ET PROCEDE PERMETTANT DE FOURNIR DES INTERFACES PASSAGERS**
[72] BEAUDIN, NIKOLAS, CA
[72] BANG, SEUNG JOON, CA
[72] GAGNON-SEGUIN, LOUIS, CA
[72] FINKHELSTEIN, THOMAS, CA
[72] MASAUD, OMAR, CA
[72] AHMADI, MOJTABA, CA
[72] O'NEILL, DARREN, CA
[72] TRUDEL, CHANTAL MARIE-JOSEE, CA
[71] BOMBARDIER INC., CA
[22] 2019-10-28
[41] 2020-04-30
[30] US (62/752,475) 2018-10-30

[21] **3,060,271**
[13] A1
[51] **Int.Cl. B01D 46/54 (2006.01)**
[25] EN
[54] **FRAMED AIR FILTER WITH SKIP-SCORED SIDEWALL JUNCTION**
[54] **FILTRE A AIR DISPOSANT D`UN CADRE ET D`UNE JONCTION DE PAROI A RAINAGE**
[72] BALDERAS, BRENDA K., US
[72] GLASS, DENNIS M., US
[72] MENKEN, FIONA E., US
[72] MUNSON, MICHAEL L., US
[72] SANOCKI, MARK A., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[22] 2019-10-28
[41] 2020-05-02
[30] US (62/755082) 2018-11-02

[21] **3,060,276**
[13] A1
[51] **Int.Cl. F21V 21/02 (2006.01) F21V 29/74 (2015.01) F21V 15/01 (2006.01) F21V 23/00 (2015.01) F21K 9/00 (2016.01)**
[25] EN
[54] **WALLPACK LIGHT FIXTURE**
[54] **LUMINAIRE DE BLOC MURAL**
[72] SCARLATA, ANDREW F., US
[72] MERRIAM, VIRGINIA, US
[72] VENUGOPAL, PRADEEP BANGALORE, IN
[72] HARIDASAN, PRIYA RANJAN, IN
[72] SUBRAMANIYAN, RAMASHESAN, IN
[72] MURTHY, PAREEKSHITH PARASHIVA, IN
[72] TREIBLE, DANEIL, US
[72] BLINCOE, PATRICK, US
[72] MESTRI, GANGADHAR, IN
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2019-10-28
[41] 2020-04-29
[30] US (62/752167) 2018-10-29

[21] **3,060,279**
[13] A1
[51] **Int.Cl. G06Q 30/00 (2012.01) H04N 21/478 (2011.01) G06Q 30/06 (2012.01) H04L 12/16 (2006.01) H04N 7/14 (2006.01) H04W 4/14 (2009.01)**
[25] EN
[54] **VEHICLE SALES MANAGEMENT AND VIDEO CHAT SYSTEM AND METHOD FOR A DEALERSHIP SALESPERSON MOBILE DEVICE AND A REMOTE VISITOR WEB BROWSER**
[54] **SYSTEME ET PROCEDE DE GESTION DE VENTES DE VEHICULES ET DE VIDEOCLAVARDAGE POUR DISPOSITIF MOBILE DE VENDEUR DE CONCESSIONNAIRE ET NAVIGATEUR WEB POUR VISITEUR A DISTANCE**
[72] STEWART, TREVOR, CA
[72] LADOUCEUR, MAX, CA
[71] DEALER INSIDE INC., CA
[22] 2019-10-28
[41] 2020-04-27
[30] US (62751588) 2018-10-27

[21] **3,060,284**
[13] A1
[51] **Int.Cl. G05B 19/042 (2006.01) G06F 1/3206 (2019.01) G06F 9/06 (2006.01) H04L 12/16 (2006.01) G06Q 20/20 (2012.01) H04W 4/30 (2018.01)**
[25] EN
[54] **AUTOMATIC AWAY MODE FOR SMART DEVICES**
[54] **MODE ABSENT AUTOMATIQUE POUR APPAREILS INTELLIGENTS**
[72] EDWARDS, JOSHUA, US
[72] VUKICH, ADAM, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-10-28
[41] 2020-05-02
[30] US (16/179,278) 2018-11-02

[21] **3,060,291**
[13] A1
[51] **Int.Cl. H04B 7/17 (2006.01) H03F 3/68 (2006.01) H04B 1/40 (2015.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING HOSPITALITY DISTRIBUTION NETWORKS**
[54] **SYSTEMES ET PROCEDES DE CONTROLE DE RESEAUX DE DISTRIBUTION POUR L`INDUSTRIE DE L`ACCUEIL**
[72] AASEN, ERIC, US
[72] PULFORD, JOSHUA H., US
[72] STOEL, LEON P., US
[71] SONIFI SOLUTIONS, INC., US
[22] 2019-10-25
[41] 2020-04-26
[30] US (62/751310) 2018-10-26

[21] **3,060,307**
[13] A1
[51] **Int.Cl. G06Q 99/00 (2006.01) G01D 21/00 (2006.01)**
[25] EN
[54] **HAZARD INDENTIFICATION AND CORRECTION METHOD**
[54] **PROCEDE D`IDENTIFICATION ET D`ENLEVEMENT DES DANGERS**
[72] DEETSCH, MICHAEL, US
[72] LEVINE, ADAM, US
[71] DEETSCH, MICHAEL, US
[71] LEVINE, ADAM, US
[22] 2019-10-30
[41] 2020-04-30
[30] US (62/752,411) 2018-10-30

[21] **3,060,355**
[13] A1
[51] **Int.Cl. A24F 40/50 (2020.01) A24F 40/90 (2020.01) A61M 15/00 (2006.01) A61M 15/06 (2006.01) H02J 7/00 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **POWER SUPPLY UNIT FOR AEROSOL INHALER, AND CONTROL METHOD AND CONTROL PROGRAM OF THE SAME**
[54] **BLOC D`ALIMENTATION POUR INHALATEUR D`AEROSOL, ET PROCEDE DE CONTROLE ET PROGRAMME DE CONTROLE AFFERENTS**
[72] YAMADA, MANABU, JP
[72] AKAO, TAKESHI, JP
[72] FUJITA, HAJIME, JP
[71] JAPAN TOBACCO, INC., JP
[22] 2019-10-28
[41] 2020-04-30
[30] JP (2018-204705) 2018-10-31

[21] **3,060,455**
[13] A1
[51] **Int.Cl. H04L 12/16 (2006.01) G06Q 20/10 (2012.01) H04L 12/951 (2013.01) H04L 9/32 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MULTICOMPUTER DATA TRANSFERRING IN RESPONSE TO INPUT FROM A USER DEVICE**
[54] **SYSTEMES ET PROCEDES DE TRANSFERT DE DONNEES MULTI-ORDINATEURS PAR SUITE D`UNE ENTREE PROVENANT D`UN DISPOSITIF UTILISATEUR**
[72] PANNEERSELVAM, ARUN, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-10-29
[41] 2020-04-30
[30] US (16/176185) 2018-10-31

[21] **3,060,468**
[13] A1
[51] **Int.Cl. H05H 7/00 (2006.01) H01J 37/06 (2006.01) H01J 37/147 (2006.01) H02M 5/42 (2006.01)**
[25] EN
[54] **FILAMENT POWER SUPPLY FOR ELECTRON ACCELERATOR AND ELECTRON ACCELERATOR**
[54] **ALIMENTATION ELECTRIQUE DE FILAMENTS POUR ACCELERATEUR D`ELECTRONS ET ACCELERATEUR D`ELECTRONS**
[72] LIU, JINSHENG, CN
[72] LIU, YAOHONG, CN
[72] JIA, WEI, CN
[72] YAN, XINSHUI, CN
[72] LI, WEI, CN
[71] NUCTECH COMPANY LIMITED, CN
[22] 2019-10-28
[41] 2020-04-29
[30] CN (201811266208.2) 2018-10-29

[21] **3,060,470**
[13] A1
[25] EN
[54] **AUTOTHROTTLE CONTROL SYSTEM ON TURBOPROPELLER-POWERED AIRCRAFT**
[54] **AUTOMANETTE DE COMMANDE DES GAZ SUR AERONEF A TURBOPROPULSEURS**
[72] ZINGARO, GIANCARLO, CA
[72] LISIO, CARMINE, CA
[72] CHAHAL, JASRAJ, CA
[72] DAFTARI, SAADI, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-10-28
[41] 2020-04-29
[30] US (16/173,330) 2018-10-29

[21] **3,060,472**
[13] A1
[51] **Int.Cl. F23Q 13/04 (2006.01) A47J 37/07 (2006.01) F23D 14/70 (2006.01) F23D 14/72 (2006.01) F23Q 2/16 (2006.01) F23Q 2/34 (2006.01)**
[25] EN
[54] **GAS POWERED TORCH**
[54] **CHALUMEAU A GAZ**
[72] HEALEY, ROBERT W., US
[71] HEALEY, ROBERT W., US
[22] 2019-10-28
[41] 2020-04-26
[30] US (62/750,923) 2018-10-26

[21] **3,060,493**
[13] A1
[51] **Int.Cl. G01N 33/483 (2006.01) G01N 27/00 (2006.01)**
[25] EN
[54] **SRM/MRM ASSAYS FOR NOTCH PATHWAY PROTEINS**
[54] **DOSAGES SRM/MRM POUR PROTEINES DE LA VOIE NOTCH**
[72] HEMBROUGH, TODD, US
[72] CECCHI, FABIOLA, US
[72] SCHWARTZ, SARIT, US
[72] SCOTT, KERRY, US
[71] EXPRESSION PATHOLOGY, INC., US
[22] 2019-10-29
[41] 2020-04-30
[30] US (62/752,842) 2018-10-30

[21] **3,060,527**
[13] A1
[51] **Int.Cl. H04L 7/033 (2006.01) H02P 27/00 (2006.01) H04L 1/22 (2006.01) H03M 13/09 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR TRANSMITTING DATA RELIABLY**
[54] **METHODE ET SYSTEME POUR LA TRANSMISSION DE DONNEES DE MANIERE FIABLE**
[72] ANDRADE ALFONSECA, DAMIAN, FR
[72] TEIXEIRA, TONY, FR
[72] GUGUEN, STEPHANE, FR
[71] THALES, FR
[22] 2019-10-29
[41] 2020-04-30
[30] FR (1801150) 2018-10-31

[21] **3,060,533**
[13] A1
[25] EN
[54] **CONSTRUCTS AND METHODS FOR ENGINEERING COMPLEX CELL SYSTEMS**
[54] **CONSTRUCTIONS ET PROCEDES POUR L`INGENIERIE DE SYSTEMES DE CELLULES COMPLEXES**
[72] SELVAGANAPATHY, PONNAMBALAM RAVI, CA
[72] SHAHIN-SHAMSABADI, ALIREZA, CA
[71] MCMASTER UNIVERSITY, CA
[22] 2019-10-29
[41] 2020-04-29
[30] US (62/752,145) 2018-10-29

[21] **3,060,540**
[13] A1
[51] **Int.Cl. G01C 21/20 (2006.01)**
[25] EN
[54] **SYSTEMS AND ASSOCIATED METHODS FOR GENERATING NAVIGATION CHARTS AND NAVIGABLE ROUTES IN AN OPEN ENVIRONMENT**
[54] **SYSTEMES ET PROCEDES CONNEXES POUR GENERER DES CARTES DE NAVIGATION ET DES VOIES NAVIGABLES DANS UN ENVIRONNEMENT OUVERT**
[72] BOROVAC, AMIR, DE
[72] FALLRO, KRISTIAN, DE
[72] SEVILLANO, JORGE, DE
[71] NAVICO HOLDING AS, NO
[22] 2019-10-29
[41] 2020-04-30
[30] US (16/175247) 2018-10-30

[21] **3,060,549**
[13] A1
[51] **Int.Cl. E21B 3/02 (2006.01) E21B 17/03 (2006.01)**
[25] EN
[54] **TOP DRIVE**
[54] **MECANISME D`ENTRAINEMENT SUPERIEUR**
[72] YOUSEF, FAISAL, US
[72] PYRCH, RANDY, US
[72] SLOCUM, WILLIAM R., US
[71] NABORS DRILLING TECHNOLOGIES USA, INC., US
[22] 2019-10-29
[41] 2020-04-30
[30] US (62/753750) 2018-10-31

[21] **3,060,562**
[13] A1
[51] **Int.Cl. A61F 13/30 (2006.01) A61F 13/26 (2006.01)**
[25] EN
[54] **COMPACT TAMPON APPLICATOR**
[54] **APPLICATEUR DE TAMPON COMPACT**
[72] FERRARO, MARIA EUGENIA, US
[72] BELSITO, MONICA, US
[72] SCHAEPERS, JOCHEN RAINER, US
[71] ALYK, INC., US
[22] 2019-10-29
[41] 2020-05-01
[30] US (62/754,443) 2018-11-01
[30] US (16/664,810) 2019-10-26

[21] **3,060,601**
[13] A1
[51] **Int.Cl. G06Q 10/04 (2012.01) G06F 17/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROJECTING DATA TRENDS**
[54] **SYSTEMES ET METHODES DE PREVISION DES TENDANCES DE DONNEES**
[72] VICK, EMMA N., GB
[72] HILL, ANDREW J., GB
[72] HOOPER, GARY D., GB
[72] RHODES, PAUL A., GB
[72] BOWLER, TIMOTHY J., GB
[72] ABBOUD, CHARLES, GB
[72] TSELIKAS, STELIOS E., GB
[72] EVANS, THOMAS, GB
[71] ICE BENCHMARK ADMINISTRATION LIMITED, GB
[22] 2019-10-28
[41] 2020-04-30
[30] US (62/752,732) 2018-10-30
[30] US (16/662,173) 2019-10-24

[21] **3,060,616**
[13] A1
[51] **Int.Cl. A61L 2/10 (2006.01)**
[25] EN
[54] **LIGHTING DISINFECTION SYSTEM**
[54] **SYSTEME DE DESINFECTION PAR LA LUMIERE**
[72] LEI, MING, CN
[72] ZHOU, HUISHENG, CN
[71] GE LIGHTING SOLUTIONS, LLC, US
[22] 2019-10-28
[41] 2020-04-29
[30] CN (201811269817.3) 2018-10-29

[21] **3,060,631**
[13] A1
[51] **Int.Cl. B65G 21/20 (2006.01) B65G 47/22 (2006.01)**
[25] EN
[54] **AIR FLOW SYSTEM FOR WASTE TREATMENT SYSTEMS**
[54] **APPAREIL A FLUX D`AIR POUR SYSTEMES DE TRAITEMENT DE DECHETS**
[72] BOERHOF, HENK, NL
[72] VOGELAAR, JOHANNES SIJBRAND, NL
[71] BOLLEGRAAF PATENTS AND BRANDS B.V., NL
[22] 2019-10-28
[41] 2020-05-01
[30] NL (2021915) 2018-11-01

[21] **3,060,647**
[13] A1
[51] **Int.Cl. C12Q 1/527 (2006.01) G01N 1/28 (2006.01)**
[25] EN
[54] **CARBONIC ANHYDRASE-CATALYZED ISOTOPE EQUILIBRIUM BETWEEN CO2-H2O FOR OXYGEN ISOTOPE ANALYSES OF AQUEOUS SAMPLES**
[54] **EQUILIBRE ISOTOPIQUE CATALYSE PAR L`ANHYDRASE CARBONIQUE ENTRE CO2 ET H2O POUR ANALYSES ISOTOPIQUES DE L`OXYGENE D`ECHANTILLONS AQUEUX**
[72] KIM, SANG-TAE, CA
[72] RANDAZZO, NICOLAS, CA
[72] KNYF, MARTIN, CA
[71] MCMASTER UNIVERSITY, CA
[22] 2019-10-29
[41] 2020-04-29
[30] US (62/752,064) 2018-10-29

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[13] A1
[51] **Int.Cl. G06Q 40/02 (2012.01) G06N 20/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING CREDIT WORTHINESS OF A BORROWER**
[54] **SYSTEMES ET PROCEDES POUR DETERMINER LA CAPACITE FINANCIERE D`UN EMPRUNTEUR**
[72] LAHRICHI, KARIM, CA
[72] DUBE-COUSINEAU, JULIEN, CA
[72] HANZOULI, AYOUB, CA
[72] LAVOIE, FREDERICK, CA
[72] BLAIS, OLIVIER, CA
[72] GAMBLE, JONATHAN, CA
[71] FLINKS TECHNOLOGY INC., CA
[22] 2019-10-29
[41] 2020-04-29
[30] US (62/752,118) 2018-10-29

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[13] A1
[51] **Int.Cl. A47J 43/18 (2006.01) A47J 37/04 (2006.01)**
[25] EN
[54] **ROASTING STICK WITH PIVOTING SKEWER**
[54] **TIGE DE ROTISSAGE AVEC BROCHETTE PIVOTANTE**
[72] HURT, ROBERT S., US
[71] HURT, ROBERT S., US
[22] 2019-10-29
[41] 2020-04-29
[30] US (62/751,847) 2018-10-29

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[51] **Int.Cl. G06Q 30/00 (2012.01) G06Q 30/06 (2012.01) B64F 5/00 (2017.01)**
[25] EN
[54] **AIRCRAFT MODIFICATION MARKETPLACE**
[54] **MARCHE DES MODIFICATIONS DES AERONEFS**
[72] FAHEY, PATRICK C., US
[72] GILLEY, SHELDON D., US
[72] BOWE, MARK A., US
[71] THE BOEING COMPANY, US
[22] 2019-10-29
[41] 2020-04-30
[30] US (62/753,914) 2018-10-31
[30] US (16/573,486) 2019-09-17
[30] US (16/573,526) 2019-09-17
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[51] **Int.Cl. C08L 55/02 (2006.01) C08J 3/20 (2006.01) C08K 5/1539 (2006.01) C08L 53/02 (2006.01) C08L 71/02 (2006.01) C08L 97/00 (2006.01)**
[25] EN
[54] **ACRYLONITRILE BUTADIENE STYRENE COPOLYMER/LIGNIN BLENDS**
[54] **MELANGES DE COPOLYMERES D`ACRYLONITRILE-BUTADIENE-STYRENE ET DE LIGNINE**
[72] WEBB, CHRISTOPHER D., US
[72] STANFORD, WILLIAM M., US
[72] MCCALL, ADAM A., US
[71] PRISMA RENEWABLE COMPOSITES, LLC, US
[22] 2019-10-29
[41] 2020-04-29
[30] US (62/752,001) 2018-10-29

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[51] **Int.Cl. H04W 84/18 (2009.01) H04W 4/38 (2018.01) A01K 3/00 (2006.01) A01K 15/04 (2006.01) B25J 5/00 (2006.01) B25J 9/18 (2006.01) E04H 17/00 (2006.01) G10H 5/00 (2006.01) H04N 5/335 (2011.01)**
[25] EN
[54] **ROBOTIC ROTATIONAL GRAZING SYSTEM**
[54] **SYSTEME DE PATURAGE ROBOTIQUE ROTATOIRE**
[72] BASSETT, JOSEPH D., US
[71] UNDERGROUND AGRICULTURE COMPANY, LLC, US
[22] 2019-10-29
[41] 2020-04-30
[30] US (62/753,267) 2018-10-31

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[13] A1
[51] **Int.Cl. G02B 5/20 (2006.01) G01D 5/32 (2006.01) G06F 3/01 (2006.01)**
[25] EN
[54] **STEPPED STRUCTURE OPTICAL FILTER**
[54] **FILTRE OPTIQUE A STRUCTURE ETAGEE**
[72] HOUCK, WILLIAM D., US
[72] SAXE, STEVEN, US
[71] VIAVI SOLUTIONS INC., US
[22] 2019-10-29
[41] 2020-05-02
[30] US (16/179,480) 2018-11-02

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[13] A1
[51] **Int.Cl. G09F 5/00 (2006.01) E04F 15/00 (2006.01)**
[25] EN
[54] **DISPLAY ASSEMBLIES FOR SURFACING MATERIALS**
[54] **ENSEMBLES D`AFFICHAGE POUR MATERIAUX DE REVETEMENT**
[72] BARNES, ASHLEY LEITNER, US
[71] SHAW INDUSTRIES GROUP, INC., US
[22] 2019-10-29
[41] 2020-04-29
[30] US (62/752,087) 2018-10-29

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[51] **Int.Cl. G10L 15/26 (2006.01) G10L 15/32 (2013.01) G10L 21/0208 (2013.01) G10L 21/028 (2013.01) H04R 1/26 (2006.01)**
[25] EN
[54] **AUTOMATED TRANSCRIPT GENERATION FROM MULTI-CHANNEL AUDIO**
[54] **PRODUCTION AUTOMATISEE DE TRANSCRIPTION A PARTIR D`UNE SOURCE AUDIO A CANAUX MULTIPLES**
[72] DONOFRIO, ANTHONY, US
[72] DASILVA, DAVID JOSEPH, US
[72] MARASKA, JAMES ANDREW, JR, US
[72] KAPLAN, JONATHAN MORDECAI, US
[71] VERITEXT, LLC, US
[22] 2019-10-29
[41] 2020-05-02
[30] US (16/179087) 2018-11-02

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[51] **Int.Cl. B64C 13/04 (2006.01) G05G 9/047 (2006.01) H05B 1/02 (2006.01) H05B 3/00 (2006.01)**
[25] EN
[54] **HEATED CONTROL STICK**
[54] **MANCHE DE COMMANDE CHAUFFE**
[72] KUANG, CHEN, CA
[72] GOYER, PAUL, CA
[71] BELL TEXTRON INC., US
[22] 2019-10-29
[41] 2020-05-01
[30] US (16/177,430) 2018-11-01

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[51] **Int.Cl. G01S 13/74 (2006.01)**
[25] EN
[54] **IMPROVED MODE A/C/S TRANSPONDER POSITIONING SYSTEM AND METHOD FOR USING THE SAME**
[54] **SYSTEME DE POSITIONNEMENT DE TRANSPONDEUR ACS AMELIORE ET SON PROCEDE D`UTILISATION**
[72] LI, YAKE, CA
[71] SEAMATICA AEROSPACE LTD., CA
[22] 2019-10-30
[41] 2020-04-30
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[51] **Int.Cl. E05F 11/12 (2006.01) E06B 3/34 (2006.01)**
[25] EN
[54] **SLIDE OPERATOR FOR FENESTRATION UNIT**
[54] **ACTIONNEUR COULISSANT POUR MODULE DE FENETRAGE**
[72] BERNHAGEN, TODD A., US
[72] SCHRODER, PAUL D., US
[72] HANSEN, TED L., US
[71] PELLA CORPORATION, US
[22] 2019-10-30
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[51] **Int.Cl. A47L 9/12 (2006.01) A47L 5/22 (2006.01) B60S 1/64 (2006.01)**
[25] EN
[54] **FILTER SYSTEM FOR A VACUUM CLEANER**
[54] **SYSTEME DE FILTRE POUR ASPIRATEUR**
[72] GOTTSCHALL, JASON, US
[72] SEASHOLTZ, CRAIG A., US
[71] SHOP VAC CORPORATION, US
[22] 2019-10-30
[41] 2020-04-30
[30] US (62/752743) 2018-10-30

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[51] **Int.Cl. H04L 12/24 (2006.01) G06F 16/903 (2019.01) H04L 12/58 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING A SNAPSHOT VIEW OF VIRTUAL INFRASTRUCTURE**
[54] **SYSTEMES ET PROCEDES POUR PRODUIRE UNE IMAGE INSTANTANEE D`UNE INFRASTRUCTURE VIRTUELLE**
[72] RAKHIMOV, RINAT, CA
[71] BANK OF MONTREAL, CA
[22] 2019-10-30
[41] 2020-05-01
[30] US (62/754,298) 2018-11-01

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[51] **Int.Cl. E04G 21/32 (2006.01) E04H 17/20 (2006.01) F16S 3/00 (2006.01)**
[25] EN
[54] **IMPROVEMENTS TO A SUPPORT DEVICE**
[54] **AMELIORATIONS APPORTEES A UN DISPOSITIF DE SUPPORT**
[72] BRINE, DAVID MICHAEL, GB
[71] RAPID EPS LTD, GB
[22] 2019-10-30
[41] 2020-05-01
[30] GB (1817870.7) 2018-11-01

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[51] **Int.Cl. E21B 33/12 (2006.01) E21B 43/24 (2006.01) E21B 43/241 (2006.01)**
[25] EN
[54] **PACKING ASSEMBLY AND RELATED METHODS FOR RECOVERING HYDROCARBONS VIA A SINGLE WELL**
[54] **PRESSE-GARNITURE ET PROCEDES CONNEXES DE RECUPERATION DES HYDROCARBURES AU MOYEN D`UN PUITS UNIQUE**
[72] LASTIWKA, MARTIN, CA
[72] WATT, ALAN, CA
[71] SUNCOR ENERGY INC., CA
[22] 2019-10-31
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[30] CA (3.022.710) 2018-10-31

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[51] **Int.Cl. B66F 11/04 (2006.01) E21F 13/00 (2006.01)**
[25] EN
[54] **PLATFORM ASSEMBLY FOR MACHINES**
[54] **ASSEMBLAGE DE PLATEFORME POUR MACHINES**
[72] ADLARD, CHRISTOPHER J., AU
[71] CATERPILLAR UNDERGROUND MINING PTY. LTD, AU
[22] 2019-10-31
[41] 2020-05-02
[30] AU (2018256662) 2018-11-02

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[51] **Int.Cl. A45C 5/03 (2006.01) A45C 13/04 (2006.01)**
[25] EN
[54] **LUGGAGE ARTICLE INCLUDING A BURST RESISTANT RIM**
[54] **ARTICLE DE BAGAGE DOTE D`UNE JANTE RESISTANT A L`ECLATEMENT**
[72] HILLAERT, RIK, BE
[72] DE VOS, WIM, BE
[71] SAMSONITE IP HOLDINGS S.A R.L., LU
[22] 2019-10-31
[41] 2020-04-30
[30] EP (18203688.9) 2018-10-31

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[51] **Int.Cl. E05F 15/72 (2015.01) E05D 11/00 (2006.01)**
[25] EN
[54] **AUTOMATIC EMERGENCY DOOR CLOSURE**
[54] **MECANISME DE FERMETURE AUTOMATIQUE DE PORTE DE SECOURS**
[72] OPGENORTH, JAMES L., US
[71] JKO IMPROVEMENTS LLC, US
[22] 2019-10-31
[41] 2020-04-30
[30] US (62/753343) 2018-10-31

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[13] A1
[51] **Int.Cl. B60R 3/00 (2006.01) B60R 19/24 (2006.01) B62D 25/22 (2006.01)**
[25] EN
[54] **SUPPORT DEVICES FOR A VEHICLE AND RELATED METHODS**
[54] **DISPOSITIFS DE SUPPORT POUR VEHICULE ET PROCEDES CONNEXES**
[72] CRANDALL, ROBERT, US
[71] CRANDALL, ROBERT, US
[22] 2019-10-31
[41] 2020-04-30
[30] US (62/753196) 2018-10-31

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[51] **Int.Cl. H04W 24/04 (2009.01) H04W 16/28 (2009.01) H04W 72/14 (2009.01) H04B 17/309 (2015.01) H04W 76/28 (2018.01)**
[25] EN
[54] **CONTENTION FREE BEAM FAILURE RECOVERY PROCEDURE IN SECONDARY CELLS**
[54] **PROCEDE DE REPRISE APRES DEFAILLANCE DE FAISCEAU SANS CONTENTION DANS DES PILES RECHARGEABLES**
[72] CIRIK, ALI, US
[72] DINAN, ESMAEL, US
[72] ZHOU, HUA, US
[72] BABAEI, ALIREZA, US
[72] JEON, HYOUNGSUK, US
[72] PARK, KYUNGMIN, US
[72] XU, KAI, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2019-10-31
[41] 2020-04-30
[30] US (62/753,288) 2018-10-31

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[51] **Int.Cl. A61F 13/51 (2006.01) A61F 13/47 (2006.01) A61F 13/53 (2006.01) A61L 15/42 (2006.01)**
[25] EN
[54] **ABSORBENT ARTICLES**
[54] **ARTICLES ABSORBANTS**
[72] WAGNER, SARAH, US
[72] BELSITO, MONICA, US
[72] PENDLETON, NICK, US
[72] FISCHER, AL, US
[71] ALYK, INC., US
[22] 2019-10-31
[41] 2020-05-02
[30] US (62/755,058) 2018-11-02
[30] US (16/667,028) 2019-10-29

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[51] **Int.Cl. G16C 20/00 (2019.01) G16B 15/00 (2019.01) G16B 30/00 (2019.01) G16B 45/00 (2019.01) G16C 20/80 (2019.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETERMINING A CONFORMATION OF A MOLECULE USING HIGH-PERFORMANCE BINARY OPTIMIZER**
[54] **METHODE ET SYSTEME DE DETERMINATION D`UNE CONFORMATION D`UNE MOLECULE AU MOYEN D`UN OPTIMISEUR BINAIRE A RENDEMENT ELEVE**
[72] NOORI, MOSLEM, CA
[72] WOODS, BRAD, CA
[72] MARCHAND, DOMINIC, CA
[71] IQB INFORMATION TECHNOLOGIES INC., CA
[22] 2019-11-01
[41] 2020-05-02
[30] US (62/754,919) 2018-11-02

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[13] A1
[51] **Int.Cl. G06N 3/02 (2006.01) G06F 40/30 (2020.01) G06N 3/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CROSS-DOMAIN TRANSFERABLE NEURAL COHERENCE MODEL**
[54] **SYSTEME ET PROCEDE DE MODELE DE COHERENCE NEURONALE TRANSFERABLE A DOMAINES CROISES**
[72] CAO, YANSHUAI, CA
[72] XU, PENG Z., CA
[72] SAGHIR, HAMIDREZA, CA
[72] LONG, LEO, CA
[72] CHEUNG, JACKIE C. K., CA
[72] KANG, JIN SUNG, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2019-10-31
[41] 2020-04-30
[30] US (62/753,621) 2018-10-31

[21] **3,060,816**
[13] A1
[51] **Int.Cl. E05F 15/60 (2015.01) H02J 9/00 (2006.01)**
[25] EN
[54] **DOOR CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE PORTE**
[72] ION, GREGORY, CA
[71] ION, GREGORY, CA
[22] 2019-11-01
[41] 2020-05-02
[30] US (62/754,985) 2018-11-02

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[13] A1
[51] **Int.Cl. H04W 74/08 (2009.01) H04W 28/10 (2009.01) H04W 80/02 (2009.01)**
[25] EN
[54] **RANDOM ACCESS RESPONSE RECEPTION**
[54] **RECEPTION DE REPONSE A ACCES SELECTIF**
[72] PARK, KYUNGMIN, US
[72] DINAN, ESMAEL, US
[72] ZHOU, HUA, US
[72] BABAEI, ALIREZA, US
[72] JEON, HYOUNGSUK, US
[72] CIRIK, ALI, US
[72] RYU, JINSOOK, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2019-11-01
[41] 2020-05-01
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[51] **Int.Cl. G06Q 20/14 (2012.01) G06K 9/78 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTO-POPULATING ELECTRONIC TRANSACTION PROCESS**
[54] **SYSTEME ET METHODE POUR UN PROCEDE DE TRANSACTION ELECTRONIQUE A REMPLISSAGE AUTOMATIQUE**
[72] KWUN LAU, ALEX TAK, CA
[72] SAHA, ARUP, CA
[72] CHAUDHARI, HARESHKUMAR, CA
[72] NAVAS, IZAYANA, CA
[72] THABET, RAMI, CA
[72] HANKS, KRISTOPHER, CA
[72] GIREE, NIJAN, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2019-11-01
[41] 2020-05-02
[30] US (62/755,043) 2018-11-02
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[51] **Int.Cl. H04W 72/04 (2009.01) H04W 28/24 (2009.01)**
[25] EN
[54] **RADIO RESOURCE ALLOCATION FOR ACCESS LINK**
[54] **ALLOCATION DE RESSOURCES RADIO POUR LIAISON D`ACCES**
[72] PARK, KYUNGMIN, US
[72] DINAN, ESMAEL, US
[72] ZHOU, HUA, US
[72] BABAEI, ALIREZA, US
[72] JEON, HYOUNGSUK, US
[72] CIRIK, ALI, US
[72] XU, KAI, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2019-11-01
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[30] US (62/754,560) 2018-11-01

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[51] **Int.Cl. H04W 72/04 (2009.01) H04W 28/04 (2009.01) H04W 28/12 (2009.01) H04W 74/08 (2009.01) H04L 1/22 (2006.01)**
[25] EN
[54] **UPLINK TRANSMISSIONS USING MULTIPLE ACTIVE RESOURCES**
[54] **TRANSMISSIONS MONTANTES UTILISANT DE MULTIPLES RESSOURCES ACTIVES**
[72] ZHOU, HUA, US
[72] DINAN, ESMAEL, US
[72] CIRIK, ALI, US
[72] BABAEI, ALIREZA, US
[72] JEON, HYOUNGSUK, US
[72] PARK, KYUNGMIN, US
[72] XU, KAI, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2019-11-01
[41] 2020-05-01
[30] US (62/754,259) 2018-11-01

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[51] **Int.Cl. B23P 15/02 (2006.01)**
[25] EN
[54] **A FULLY SCALABLE CONTROLLED-FRACTURE MACHINED TURBOMACHINE APPARATUS**
[54] **TURBOMACHINE ENTIEREMENT ECHELONNABLE FABRIQUEE PAR FRACTURE CONTROLEE**
[72] TINGLEY, WILLIAM Q., US
[72] TINGLEY, WILLIAM Q., III, US
[72] BRADLEY, DANIEL R., US
[71] TENNINE CORP., US
[22] 2019-11-01
[41] 2020-05-02
[30] US (62/754,741) 2018-11-02

[21] **3,060,845**
[13] A1
[51] **Int.Cl. H04W 24/04 (2009.01) H04W 16/28 (2009.01) H04W 72/10 (2009.01) H04W 72/12 (2009.01)**
[25] EN
[54] **BEAM FAILURE RECOVERY IN CARRIER AGGREGATION**
[54] **RECUPERATION APRES DEFAILLANCE DE FAISCEAU DANS L`AGREGATION DES PORTEUSES**
[72] CIRIK, ALI, US
[72] DINAN, ESMAEL, US
[72] ZHOU, HUA, US
[72] BABAEI, ALIREZA, US
[72] JEON, HYOUNGSUK, US
[72] PARK, KYUNGMIN, US
[72] XU, KAI, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2019-11-01
[41] 2020-05-01
[30] US (62/754,125) 2018-11-01

[21] **3,060,898**
[13] A1
[51] **Int.Cl. A61J 1/05 (2006.01) A61F 17/00 (2006.01) A61J 1/16 (2006.01)**
[25] EN
[54] **CLAMSHELL CASE FOR HOLDING BLISTER PACK**
[54] **BOITIER DOUBLE-COQUE POUR TENIR UN EMBALLAGE-COQUE**
[72] GIANNOPOULOS, PETER, US
[72] DELISLE, JOSHUA J., US
[71] GIANNOPOULOS, PETER, US
[71] DELISLE, JOSHUA J., US
[22] 2019-11-04
[41] 2020-05-02
[30] US (62/754,668) 2018-11-02

[21] **3,060,912**
[13] A1
[51] **Int.Cl. G01M 15/00 (2006.01) F02D 41/00 (2006.01) F02M 21/02 (2006.01) G01M 15/04 (2006.01) G01M 15/10 (2006.01)**
[25] EN
[54] **INTAKE AIR ASSESSMENT FOR INDUSTRIAL ENGINES**
[54] **EVALUATION DE L`AIR D`ADMISSION DE MOTEURS INDUSTRIELS**
[72] MALM, HOWARD, CA
[71] REM TECHNOLOGY INC., CA
[22] 2019-11-04
[41] 2020-05-02
[30] US (62/755,023) 2018-11-02

[21] **3,062,467**
[13] A1
[51] **Int.Cl. A01D 57/03 (2006.01) A01D 57/02 (2006.01) A01D 80/02 (2006.01)**
[25] EN
[54] **HARVESTING TOOL**
[54] **OUTIL DE RECOLTE**
[72] KASTNING, STEVEN RAY, CA
[72] MCDOUGALL-KASTNING, CHRISA DAWN, CA
[71] KASTNING, STEVEN RAY, CA
[71] MCDOUGALL-KASTNING, CHRISA DAWN, CA
[22] 2019-11-24
[41] 2020-04-27
[30] US (16/596,604) 2019-10-08

[21] **3,065,184**
[13] A1
[51] **Int.Cl. A01K 67/033 (2006.01) A01K 29/00 (2006.01)**
[25] EN
[54] **AUTOMATIC VENOM COLLECTOR WITH LIVE SCORPION CARTRIDGE.**
[54] **DISPOSITIF DE COLLECTE DE VENIN AUTOMATIQUE AVEC CARTOUCHE DE SCORPION VIVANT**
[72] BELADJERI, MOHAMMED ILYES, DZ
[71] BELADJERI, MOHAMMED ILYES, DZ
[22] 2019-12-14
[41] 2020-04-29

[21] **3,070,651**
[13] A1
[51] **Int.Cl. B02C 2/00 (2006.01) B02C 2/04 (2006.01)**
[25] EN
[54] **PRESSURE PLATE APPARATUS**
[54] **SERRE-FLANC**
[72] DUELLMAN, DENNIS, CA
[72] ANDO, MARIAN, CA
[72] KROL, ANDRZEJ, CA
[71] MCCLOSKEY INTERNATIONAL LIMITED, CA
[22] 2020-01-30
[41] 2020-04-27
[30] US (16/288,403) 2019-02-28
[30] US (16/773,161) 2020-01-27

[21] **3,072,446**
[13] A1
[51] **Int.Cl. B65D 1/34 (2006.01) B65D 85/00 (2006.01) E21B 25/00 (2006.01)**
[25] EN
[54] **CORE TRAY AND MARKING METHOD**
[54] **CASIER A CAROTTES ET METHODE DE MARQUAGE**
[72] DORMER, SPENCER, AU
[71] DORMER, KEVIN (AS TRUSTEE OF THE DORMER FAMILY TRUST), AU
[22] 2020-02-13
[41] 2020-04-27
[30] AU (AU 2019900537) 2019-02-19

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[13] A1
[51] **Int.Cl. H02P 27/04 (2016.01) E21B 43/26 (2006.01) H02K 7/14 (2006.01)**
[25] EN
[54] **POWER DISTRIBUTION TRAILER FOR AN ELECTRIC DRIVEN HYDRAULIC FRACKING SYSTEM**
[54] **REMORQUE DE DISTRIBUTION DE PUISSANCE POUR SYSTEME DE FRACTURATION HYDRAULIQUE A COMMANDE ELECTRIQUE**
[72] FISCHER, JOHN, US
[72] CORSETTO, JOHN J., US
[72] KUBRICHT, DAVID, US
[72] CHEATHAM, RICHARD, US
[72] POLLACK, JEFFREY, US
[72] LAWMAN, CHAD, US
[72] TODD, DAVID, US
[72] NOLEN, TYLER, US
[71] NATIONAL SERVICE ALLIANCE - HOUSTON LLC, US
[22] 2020-02-14
[41] 2020-04-28
[30] US (62/805,521) 2019-02-14
[30] US (16/790,538) 2020-02-13

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[13] A1
[51] **Int.Cl. G01D 21/02 (2006.01) A61B 34/20 (2016.01)**
[25] EN
[54] **TRACKING AN OBJECT IN AN ELECTROMAGNETIC FIELD**
[54] **POURSUITE D`UN OBJET DANS UN CHAMP ELECTROMAGNETIQUE**
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[72] WILES, ANDREW, CA
[72] DINC, ASLI, CA
[72] KOPCIK, MARTIN, CA
[71] NORTHERN DIGITAL INC., CA
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[54] **SYSTEM AND METHOD FOR INFORMATION PROTECTION**
[54] **SYSTEME ET METHODE DE PROTECTION DE L'INFORMATION**
[72] MA, BAOLI, CN
[72] LI, LICHUN, CN
[72] LIU, ZHENG, CN
[72] YIN, SHAN, CN
[72] ZHANG, WENBIN, CN
[71] ALIBABA GROUP HOLDING LIMITED, CN
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[86] 2018-11-27 (PCT/CN2018/117548)
[87] (3037833)

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[54] **FAST COMPUTATION OF A CONVOLUTIONAL NEURAL NETWORK**
[54] **CALCUL RAPIDE D'UN RESEAU NEURONAL CONVOLUTIF**
[72] LIU, YONGCHAO, CN
[72] HUANG, QIYIN, CN
[72] PAN, GUOZHEN, CN
[72] LI, SIZHONG, CN
[72] XU, JIANGUO, CN
[72] ZHANG, HAITAO, CN
[72] WANG, LIN, CN
[71] ALIBABA GROUP HOLDING LIMITED, KY
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[54] **COOLING METHOD FOR REACTOR MOLTEN CORE MELT AND COOLING CONTROL SYSTEM FOR REACTOR MOLTEN CORE**
[54] **PROCEDE DE REFROIDISSEMENT POUR LA FUSION DU COEUR FONDU DU REACTEUR ET SYSTEME DE COMMANDE DE REFROIDISSEMENT OU COEUR FONDU DU REACTEUR**
[72] SIDOROV, ALEKSANDR STALEVICH, RU
[72] SIDOROVA, NADEZHDA VASILEVNA, RU
[71] JOINT STOCK COMPANY "ATOMENERGOPROEKT", RU
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[54] **DISEASE RISK ASSESSMENT APPARATUS, DISEASE RISK ASSESSMENT METHOD, PROGRAM, AND FOOD FOR DEMENTIA PREVENTION**
[54] **APPAREIL D'EVALUATION DU RISQUE DE MALADIE, PROCEDE D'EVALUATION DU RISQUE DE MALADIE, PROGRAMME ET ALIMENT POUR LA PREVENTION DES DEMENCES**
[72] NINOMIYA, TOSHIHARU, JP
[72] KATAKURA, YOSHINORI, JP
[72] KUHARA, SATORU, JP
[72] HATA, JUN, JP
[72] FUJITA, KAZUHIRO, JP
[71] KYUSHU UNIVERSITY, NATIONAL UNIVERSITY CORPORATION, JP
[71] KURUME RESEARCH PARK CO., LTD., JP
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[25] EN
[54] **SINGLE-USE ANALYSIS BOTTLE AND COLOR RESULTS MATCHING SYSTEM FOR COLORIMETRIC REAGENTS**
[54] **FLACON D'ANALYSE A USAGE UNIQUE ET SYSTEME DE MISE EN CORRESPONDANCE DE RESULTATS DE COULEUR POUR REACTIFS COLORIMETRIQUES**
[72] FYFE, IAIN PETER WILLIAM, AU
[71] FYFE, IAIN PETER WILLIAM, AU
[85] 2020-01-29
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[54] **SELF-HEALING LIGHTING DEVICE**
[54] **DISPOSITIF D'ECLAIRAGE AUTO-REPARANT**
[72] SLADE, ADAM B., US
[72] PEREZ-BOLIVAR, CESAR, US
[71] GROTE INDUSTRIES, LLC, US
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[54] **PROCEDE ET APPAREIL POUR LE POSITIONNEMENT D'ELEMENTS CHAUFFANTS**
[72] LARSON, DAVID D., US
[71] PROGRESS PROFILES SPA, IT
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[72] BROWN, DEREK ALLEN, US
[72] MARTY, GARRY ROBIN, US
[72] RODENBECK, ROBERT W., US
[72] THOMAS, KURT JUDSON, US
[72] VEROS, MICHAEL J., US
[71] DELTA FAUCET COMPANY, US
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[25] EN
[54] **ESTER PRO-DRUGS OF (3-(1-(1H-IMIDAZOL-4-YL)ETHYL)-2-METHYLPHENYL) METHANOL FOR TREATING RETINAL DISEASES**
[54] **PROMEDICAMENTS DE TYPE ESTER DE [3-(1-(1H-IMIDAZOL-4-YL)ETHYL)-2-METHYLPHENYL] METHANOL POUR LE TRAITEMENT DE MALADIES RETINIENNES**
[72] DIBAS, MOHAMMED I., US
[72] GIL, DANIEL W., US
[72] CHOW, KEN, US
[72] WANG, LIMING, US
[72] GARST, MICHAEL E., US
[72] DONELLO, JOHN E., US
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[54] **RELEASABLE POST-CABLE CONNECTION FOR A CABLE BARRIER SYSTEM**
[54] **RACCORD POTEAU-CABLE DETACHABLE POUR UNE GLISSIERE DE SECURITE A CABLES**
[72] NEUSCH, WILLIAM H., US
[71] GIBRALTAR GLOBAL LLC, US
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[54] **SYSTEMES ET PROCEDES POUR REPRODUCTION DE MUSIQUE EN RESEAU**
[72] COBURN, ARTHUR, US
[72] HOADLEY, JONI, US
[71] SONOS, INC., US
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[25] EN
[54] **PEPTIDES AND METHODS OF USING SAME**
[54]
[72] MOGELSVANG, SOREN, US
[72] GELBER, COHAVA, US
[71] SERPIN PHARMA, LLC, US
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[54] **KINEMATIC ALIGNMENT AND NOVEL FEMORAL AND TIBIAL PROSTHETICS**
[54] **ALIGNEMENT CINEMATIQUE ET NOUVELLES PROTHESES FEMORALES ET TIBIALES**
[72] MAHFOUZ, MOHAMED R., US
[71] MAHFOUZ, MOHAMED R., US
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[30] US (62/022,894) 2014-07-10

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[25] EN
[54] **AGRICULTURAL TRENCH DEPTH SENSING SYSTEMS, METHODS, AND APPARATUS**
[54] **SYSTEMES, PROCEDES ET APPAREIL DE DETECTION DE PROFONDEUR DE TRANCHEE AGRICOLE**
[72] SAUDER, DEREK, US
[72] STOLLER, JASON, US
[72] RADTKE, IAN, US
[72] LEVY, KENT, US
[71] PRECISION PLANTING LLC, US
[22] 2013-10-24
[41] 2014-05-01
[62] 2,888,970
[30] US (61/718,073) 2012-10-24

[21] **3,077,902**
[13] A1
[25] EN
[54] **AGRICULTURAL TRENCH DEPTH SENSING SYSTEMS, METHODS, AND APPARATUS**
[54] **SYSTEMES, PROCEDES ET APPAREIL DE DETECTION DE PROFONDEUR DE TRANCHEE AGRICOLE**
[72] SAUDER, DEREK(DECEASED), US
[72] STOLLER, JASON, US
[72] RADTKE, IAN, US
[72] LEVY, KENT, US
[71] PRECISION PLANTING LLC, US
[22] 2013-10-24
[41] 2014-05-01
[62] 2,888,970
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[21] **3,077,907**
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[51] **Int.Cl. H04L 12/26 (2006.01) H04W 24/08 (2009.01) H04W 80/04 (2009.01) H04L 12/823 (2013.01) H04L 12/40 (2006.01) H04B 3/46 (2015.01)**
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[54] **METHOD AND SYSTEM FOR PERFORMANCE MEASUREMENT OF A COMMUNICATION LINK**
[54] **PROCEDE ET SYSTEME POUR EFFECTUER LA MESURE D'UNE LIAISON DE COMMUNICATION**
[72] YUN, SUNGHO, US
[72] GARCIA, CARLOS, US
[72] BALAKRISHNAN, MANIKANDEN, US
[72] RHEE, WONJONG, US
[71] ADAPTIVE SPECTRUM AND SIGNAL ALIGNMENT, INC., US
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[54] **SOLENOID COIL HAVING AN ENHANCED MAGNETIC FIELD**
[54] **BOBINE DE SOLENOIDE AVEC CHAMP MAGNETIQUE AUGMENTE**
[72] SIMONIN, STEPHEN PAUL, US
[71] HUBBELL INCORPORATED, US
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[62] 2,808,894
[30] US (13/422,797) 2012-03-16

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[54] **METHODS FOR IN-SCENE COMPENSATION USING WATER VAPOR CONTENT**
[54]
[72] ARDOUIN, JEAN-PIERRE, CA
[72] ROSS, VINCENT, CA
[71] ARDOUIN, JEAN-PIERRE, CA
[71] ROSS, VINCENT, CA
[22] 2013-12-11
[41] 2015-06-11
[62] 2,836,210

[21] **3,077,924**
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[25] EN
[54] **METHODS FOR IN-SCENE ATMOSPHERIC COMPENSATION BY ENDMEMBER MATCHING**
[54] **METHODES POUR COMPENSATION ATMOSPHERIQUE EN SCENE PAR APPARIEMENT DE POLES**
[72] ARDOUIN, JEAN-PIERRE, CA
[72] ROSS, VINCENT, CA
[71] HER MAJESTY THE QUEEN IN RIGHT OF CANADA, AS REPRESENTED BY THE MINISTEROF NATIONAL DEFENCE, CA
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[62] 2,836,210

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[25] EN
[54] **STEEL STRUCTURE FOR HYDROGEN GAS WITH EXCELLENT HYDROGEN EMBRITTLEMENT RESISTANCE IN HIGH PRESSURE HYDROGEN GAS AND METHOD OF PRODUCING THE SAME**
[54] **STRUCTURE D'ACIER POUR L'HYDROGENE, PRESENTANT D'EXCELLENTES PROPRIETES DE RESISTANCE A LA FRAGILISATION PAR L'HYDROGENE DANS L'HYDROGENE GAZEUX A HAUTE PRESSION, ET SON PROCEDE DE PRODUCTION**
[72] NAGAO, AKIHIDE, JP
[72] TAKAGI, SHUSAKU, JP
[71] JFE STEEL CORPORATION, JP
[22] 2016-09-16
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[62] 2,991,018
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[54] **HIGH SECURITY LOCK**
[54] **SERRURE HAUTE SECURITE**
[72] MILLER, J. CLAYTON, US
[72] COOKE, DONALD P., JR., US
[72] HARVEY, MICHAEL P., US
[71] LOCK II, L.L.C., US
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[54] **AGRICULTURAL ROW UNIT SYSTEMS, METHODS, AND APPARATUS**
[54] **SYSTEMES, PROCEDES ET APPAREIL POUR UNE UNITE DE RANGEE AGRICOLE**
[72] LEVY, KENT, US
[72] HODEL, JEREMY, US
[72] RADKE, IAN, US
[71] PRECISION PLANTING LLC, US
[22] 2013-10-24
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[62] 2,889,166
[30] US (61/718,051) 2012-10-24

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[25] EN
[54] **AGRICULTURAL ROW UNIT SYSTEMS, METHODS, AND APPARATUS**
[54] **SYSTEMES, PROCEDES ET APPAREIL POUR UNE UNITE DE RANGEE AGRICOLE**
[72] LEVY, KENT, US
[72] HODEL, JEREMY, US
[72] RADKE, IAN, US
[71] PRECISION PLANTING LLC, US
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[62] 2,889,166
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[54] **TRAITEMENT THERMOMECANIQUE D'ALLIAGES DE NICKEL-TITANE**
[72] VAN DOREN, BRIAN, US
[72] SCHLEGEL, SCOTT, US
[72] WISSMAN, JOSEPH, US
[71] ATI PROPERTIES LLC, US
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[41] 2014-11-27
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[54] **HYDROGEL FORMULATION WITH MILD ADHESION**
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[72] SWEENEY, MICHAEL T., US
[72] QUESNELL, REBECCA R., US
[72] CARNEY, FIONA PATRICIA, US
[72] RENE, CLAUDE-RAYMOND, US
[72] ASFAW, BRUKTAWIT, US
[72] KOKOTOFF, SARAH BARBARA, US
[72] UGBEDAH, DOMINIC DOMINICOVICH, US
[71] ZOETIS SERVICES LLC, US
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[51] **Int.Cl. F04B 53/00 (2006.01) F04B 11/00 (2006.01) F15D 1/02 (2006.01) F16L 41/02 (2006.01)**
[25] EN
[54] **MANIFOLD AND METHODS OF MANUFACTURING SAME**
[54] **COLLECTEUR ET PROCEDES DE FABRICATION DE CELUI-CI**
[72] BYRNE, JOSEPH H., US
[72] MURTLAND, FRANK., US
[72] KOTAPISH, ED., US
[71] S.P.M. FLOW CONTROL, INC., US
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[54] **AUTOMATED PIZZA ASSEMBLY SYSTEM**
[54] **SYSTEME AUTOMATISE DE MONTAGE DE PIZZA**
[72] FRITZ-JUNG, CATHRYN, US
[72] SCRIVANO, DAVID, US
[72] STROTHER, DAVID, US
[72] THOMAS, AMANDA B., US
[72] HESLIP, SEAN M., US
[72] DEEMTER, KENT A., US
[72] MCCOY, TYLER W., US
[72] HOEKSEMA, BRET A., US
[71] LITTLE CAESAR ENTERPRISES, INC., US
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[25] EN
[54] **REINSTALLABLE CIRCUIT INTERRUPTING DEVICE WITH VIBRATION RESISTANT MISW RE PROTECTION**
[54] **DISPOSITIF D'INTERRUPTION DE CIRCUIT REINITIALISABLE MUNI D'UNE PROTECTION CONTRE LES MAUVAIS RACCORDEMENTS, RESISTANTE AUX VIBRATIONS**
[72] BONASIA, GAETANO, US
[72] BATKO, THOMAS J., US
[72] SIMONIN, STEPHEN P., US
[72] PADRO, KENNY, US
[71] HUBBELL INCORPORATED, US
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[62] 2,808,952
[30] US (13/422,793) 2012-03-16

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[54] **DIFFERENTIAL VELOCITY SENSOR**
[54]
[72] MCBRIDE, GENE E., US
[71] HUNTING TITAN, INC., US
[22] 2017-02-23
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[25] EN
[54] **IMPLANT PEG WITH MULTIPLE COMPONENTS**
[54]
[72] DHILLON, BRAHAM K., US
[72] FREE, DANIEL E., US
[72] LUNA, RAMON, US
[71] WRIGHT MEDICAL TECHNOLOGIES, INC., US
[22] 2016-10-05
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[62] 2,979,856

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[13] A1
[51] **Int.Cl. C07H 19/10 (2006.01) A61K 31/7072 (2006.01) A61P 31/14 (2006.01) C07H 19/073 (2006.01)**
[25] EN
[54] **N- [(2'R) -2'-DEOXY-2'-FLUORO-2' -METHYL-P-PHENYL-5' -URIDYLYL] -L-ALANINE 1-METHYLETHYL ESTER AND PROCESS FOR ITS PRODUCTION**
[54] **ESTER DE N-[(2 ' R) -2' -DESOXY-2' -FLUORO-2' -METHYL-P-PHENYL-5' -URIDYLYL]-L-ALANINE 1-METHYLETHYLE ET SON PROCEDE DE PRODUCTION**
[72] ROSS, BRUCE S., US
[72] SOFIA, MICHAEL JOSEPH, US
[72] PAMULAPATI, GANAPATI REDDY, US
[72] RACHAKONDA, SUGUNA, US
[72] ZHANG, HAI-REN, US
[72] CHUN, BYOUNG-KWON, US
[72] WANG, PEIYUAN, US
[71] GILEAD PHARMASSET LLC, US
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[62] 2,988,217
[30] US (61/179,923) 2009-05-20
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[51] **Int.Cl. B01D 3/42 (2006.01) B01D 1/04 (2006.01)**
[25] EN
[54] **WATER VAPOR DISTILLATION APPARATUS, METHOD AND SYSTEM**
[54] **APPAREIL, PROCEDE ET SYSTEME DE DISTILLATION DE LA VAPEUR D'EAU**
[72] KAMEN, DEAN, US
[72] LAROCQUE, RYAN K., US
[72] LANGENFELD, CHRISTOPHER C., US
[72] ENT, STEPHEN M., US
[72] SCHNELLINGER, ANDREW A., US
[72] BHAT, PRASHANT, US
[72] SMITH, STANLEY B., III, US
[72] CLAPP, OTIS L., US
[71] DEKA PRODUCTS LIMITED PARTNERSHIP, US
[22] 2012-07-13
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[62] 2,841,743
[30] US (13/184,169) 2011-07-15

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[13] A1
[25] EN
[54] **RECOVERY OF SOLVENT FROM DILUTED TAILINGS BY FEEDING A SOLVENT DILUTED TAILINGS TO A DIGESTER DEVICE**
[54]
[72] VAN DER MERWE, SHAWN, CA
[72] HANN, THOMAS CHARLES, CA
[71] FORT HILLS ENERGY L.P., CA
[22] 2011-04-28
[41] 2012-10-28
[62] 2,848,254

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[25] EN
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[54] **DETECTION DU CARACTERE VIVANT**
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[72] HATT, FABIENNE, CH
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[54] **COMPOSES ANTIOXYDANTS MULTIFONCTIONNELS STABILISES ET PROCEDES D'UTILISATION**
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[54] **AMENAGEMENT DE RANGEMENT DE PRODUITS PHARMACEUTIQUES SOUMIS A UNE DEMANDE DE FREQUENCE DIFFERENTE**
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[54] **CARTOUCHE DE COLLECTE DE LIQUIDE, A PRESSION REDUITE AVEC UN FILTRE A MULTIPLES ORIENTATIONS**
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[54] **FILM A BASE DE POLYVINYLE ET D'ALCOOL SOLUBLE DANS L'EAU, PROCEDES ASSOCIES ET ARTICLES ASSOCIES**
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[72] MASSENGALE, ROGER DILLARD, US
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