

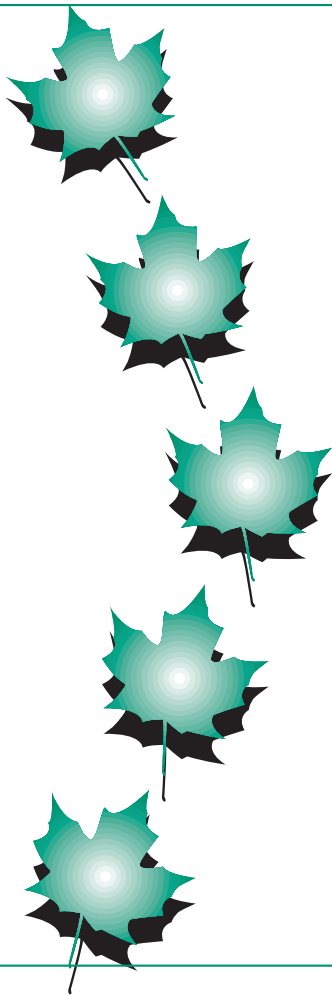


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**The Patent  
Office  
Record**

**La Gazette  
du Bureau  
des brevets**

Vol. 129, No. 02 January 9, 2001

Vol. 129, N° 02 le 9 janvier 2001

**Canada**

CIPO  OPIC

# THE PATENT OFFICE RECORD

## LA GAZETTE DU BUREAU DES BREVETS

David Tobin  
Commissioner of Patents

David Tobin  
Commissaire aux brevets

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The POR has been made available, free of charge, on CIPO's website at [cipo.gc.ca](http://cipo.gc.ca) or [strategis.ic.gc.ca/patents/record](http://strategis.ic.gc.ca/patents/record) since April 1999. Statistics show that many of our clients are making use of this electronic version. Improvements to the electronic format to facilitate speed of download have been implemented. Users now have the choice of downloading the complete document or each section individually. Current editions are posted weekly on Tuesdays and an archive of past editions dating from April 1999 is available as well.

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Veillez noter qu'à compter du numéro daté du 2 novembre 1999, Travaux publics et Services gouvernementaux Canada (TPSGC) a cessé de gérer les abonnements à la *Gazette du Bureau des brevets* (GBB). TPSGC remboursera les abonnés ou leur offrira un crédit pour les numéros non reçus.

Depuis avril 1999, on peut consulter ou télécharger la Gazette, sans frais, à partir du site Web de l'OPIC : [opic.gc.ca](http://opic.gc.ca) ou [strategis.ic.gc.ca/brevets/gazette](http://strategis.ic.gc.ca/brevets/gazette). D'après nos statistiques de nombreux clients utilisent la version électronique. Nous avons récemment modifié le format électronique de la Gazette afin d'améliorer la vitesse de téléchargement. Les utilisateurs ont désormais le choix entre télécharger le document en entier ou des sections individuelles. Les éditions courantes sont publiées tous les mardis et les numéros antérieurs (d'avril 1999 jusqu'à maintenant) sont aussi disponibles.

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Téléphone : (819) 997-2985 (de 8h à 16h45 HNE)

Télécopieur : (819) 997-7771 (fonctionne 24 heures sur 24)

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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, 2000 will be shown as 2000-01-02.

#### 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
  
- [43] - Date of publication by printing or similar process of an unexamined document on which no grant has taken place on or before the said date
  
- [45] - Date of Issue
- [48] - Reissue Grant Date
- [51] - International Classification
- [52] - Domestic Classification
- [54] - Title of Invention
- [60] - Related by Supplementary Disclosure
- [62] - Related by Division
- [64] - Related by Reissue
- [71] - Name(s) of Applicant(s)
- [72] - Name(s) of Inventor(s)
- [73] - Name(s) of Grantee(s)
- [85] - National Entry Date
- [86] - PCT International Filing Data
- [87] - PCT International Publication data

## Avis

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

#### Dates

Toutes dates figurant aux en-têtes 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 2000, par exemple, sera représenté par 2000-01-02.

#### Chiffres de code

Les chiffres à l'intérieur des parenthèses aux en-têtes des brevets sont des codes INID. Le sigle "INID" signifie "Identification numérique internationale des données bibliographiques". Ces codes sont utilisés pour l'identification de la bibliographie de brevets, tel que recommandé par le Comité permanent chargé de l'information en matière de propriété industrielle (PCIPI), sous l'administration de l'Organisation mondiale de la propriété intellectuelle (OMPI), 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
  
- [43] - Date de publication, par impression ou par un procédé similaire, d'un document non examiné, n'ayant encore donné lieu à la délivrance d'aucun titre à la date en question ou avant
  
- [45] - Date de délivrance
- [48] - Date de redélivrance
- [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] - Noms(s) du (des) demandeur(s)
- [72] - Nom(s) de(s) l'inventeur(s)
- [73] - Nom(s) du (des) titulaire(s)
- [85] - Date d'entrée en phase nationale
- [86] - Données du dépôt international selon le PCT
- [87] - Données de publication internationale selon le PCT

## Avis

### 2. Country Codes

A complete list of country codes has been published in the October 24, 2000 issue of the Canadian Patent Office Record and will be published twice a year in the last issues of April and October.

### 3. Canadian Class Titles

A numerical index of the Canadian classification titles will be published in the first issue of January each year.

Anyone desirous of ascertaining what classes are directed to subject matter in which he/she has a particular interest may write to the Patent Office for such information. Related subject matter sometimes appears in different classes and could be missed by those not fully familiar with the classification system. It is also possible to obtain an alphabetical listing of subject matter titles for the various classes by writing a request to the Commissioner of Patents, Ottawa-Hull, Canada K1A 0C9.

### 4. Class Schedules and Definitions

A schedule (list of subclasses in a class) for any class listed on these pages may be purchased by writing to the Commissioner of Patents, Ottawa-Hull, Canada K1A 0C9. Definitions of the type of subject matter found in any class or subclass may be purchased for most of the classes. The cost of these individual schedules and definitions is 50¢ per page reproduced by the Patent Office.

Those wishing to purchase a complete set of schedules covering all classes, including the Subject Matter Index and separate listings of all class titles, may do so from Micromedia Limited at a cost of \$25 (98 frame microfiche), or \$200 (paper).

### 5. How to Purchase Paper or Microform-copies of Canadian Patents and Canadian Laid-Open Applications

#### A) Paper Copies

Paper copies of Canadian Patents numbers 1 to 445,930 can be purchased at a cost of four dollars (\$4) per copy by writing to the Commissioner of Patents, Ottawa-Hull, K1A 0C9.

### 2. Codes des pays

Une liste complète des codes de pays a été publiée dans le numéro du 24 octobre 2000 et sera republiée deux fois par année dans le dernier numéro des mois de avril et d'octobre.

### 3. Liste des classes canadiennes

Un index numérique des titres de la classification canadienne sera publié dans le premier numéro de janvier, à chaque année.

Toute personne désirant savoir dans quelles classes sont classifiés les sujets auxquels il/elle porte un intérêt particulier peut se renseigner en écrivant au Bureau des brevets. Des sujets connexes peuvent parfois figurer dans des classes différentes et une personne qui ne serait pas complètement familière avec le système de classification pourrait omettre les classes. On peut également obtenir une liste alphabétique des titres des objets classifiés dans les différentes classes en écrivant au Commissaire aux brevets, Ottawa-Hull, Canada K1A 0C9.

### 4. Listes et définitions des classes

Il est possible d'acheter les listes des sous-classes pour chacune des classes énumérées dans ces pages en écrivant au Commissaire aux brevets, Ottawa-Hull, Canada K1A 0C9. Des définitions selon les sujets se trouvant dans chaque classe ou sous-classe peuvent aussi être achetées pour la plupart des classes. Les prix de ces listes et définitions individuelles est de 0,50 \$ par page reproduite par le Bureau des brevets.

Les personnes qui désirent acheter une série complète des listes couvrant toutes les classes, y compris l'index des sujets et listes distinctes de tous les titres de classes, doivent s'adresser à Micromedia Limited. Le prix est de 25 \$ pour des microfiches à 98 cadres d'image ou de 200 \$ pour des copies sur papier.

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

#### A) Copies sur papier

Les copies sur papier des brevets canadiens, numéros 1 à 445,930, sont disponibles au coût de quatre dollars (4 \$) par copie, en écrivant au Commissaire aux brevets, Ottawa-Hull, K1A 0C9.

## Notices

Paper copies of all Canadian Patents and Canadian Laid-Open Applications can be purchased at a cost of ten dollars (\$10) per copy plus estimated postage and taxes. Copies of these patents are available by writing or calling: Micromedia Limited, 240 Catherine Street, Suite 305, Ottawa, Ontario, Canada, K2P 2G8, Telephone (613) 237-4250, Facsimile (613) 237-4251.

Toll Free for North America: 1-800-567-1914

E-mail: tic@micromedia.on.ca

### B) Microform Copies

Copies of Canadian Patents from number 445,931 to date and Canadian Laid-Open Applications from number 2,000,001 to date can be purchased from Micromedia Limited at a cost of \$4 each (98 frame microfiche).

Beginning with Canadian Patent number 986,651, annual collections may be purchased from Micromedia Limited in the following categories:

- Abstracts of Canadian Patents issued weekly in numerical order (98 frame microfiche).
- Cover pages, claims and drawings of Canadian Patents issued weekly in numerical order (98 frame microfiche).
- Full text of Canadian Patents issued weekly in numerical order (16 mm microfilm).

### 6. Orders for Patents By Class or Sub-Class

Micromedia Limited will fill standing orders for all Canadian patents issuing in any class or subclass. Patents issuing after the date of the order will be supplied. Annual fee for this service is \$150 per class.

A charge of ten dollars (\$10) per paper copy, or four dollars (\$4) per microfiche copy, plus postage and taxes, will apply to copies of all patents supplied.

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Les copies sur papier de tous les brevets canadiens et des demandes canadiennes mises à la disponibilité du public sont disponibles au coût de dix dollars (10 \$) par copie, plus l'affranchissement et les taxes. Il suffit d'écrire à Micromedia Limited, 240 rue Catherine, pièce 305, Ottawa (Ontario), Canada, K2P 2G8, ou de composer le numéro (613) 237-4250, Télécopieur (613) 237-4251.

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Courriel: tic@micromedia.on.ca

### B) Copies en microforme

Les copies des brevets canadiens à partir du numéro 445,931 et des demandes canadiennes mises à la disponibilité, du public à partir du numéro 2,000,001 sont disponibles chez Micromedia Limited au coût de 4 \$ chacune (microfiche à 98 cadres d'image).

On peut également se procurer auprès de Micromedia Limited, à partir du numéro de brevet 986,651, des séries annuelles dans les catégories suivantes:

- Précis de brevets canadiens délivrés chaque semaine par ordre numérique (microfiche à 98 cadres d'image).
- Pages couvertures, revendications et dessins de brevets canadiens délivrés chaque semaine par ordre numérique (microfiche à 98 cadres d'image).
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### 6. Commandes de brevets par classe ou sous-classe

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## Avis

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Courriel: tic@micromedia.on.ca

A listing of all patents that have issued in each class or subclass, including patents both in force and expired, may be ordered at a price of 50¢ per page from the Patent Office.

Les listes de brevets délivrés dans chaque classe ou sous-classe, incluant les brevets en vigueur et ceux ayant expirés, peuvent être commandées auprès du Bureau des brevets au prix de 0,50 \$ la page.

### 7. Advice on Making a Patent Application

Any person intending to file a patent application may obtain an information kit on request from the Commissioner of Patents, Ottawa-Hull, 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 on request.

### 7. 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-Hull, 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.

### 8. 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-Hull, Canada, K1A 0C9. If a voluntary licence cannot be arranged, a compulsory licence may be possible.

### 8. 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-Hull, 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.

#### 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.

#### 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.

### 9. Patents Available for Licence or Sale

An asterisk (\*) placed beside any patent listed in this issue of the 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 10 of these notices.

### 9. 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. 10 des présents avis.

## Notices

### **10. List of Patents Available for Licence or Sale**

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

none

### **11. Expired Patents**

For patent applications filed before October 1, 1989, the life of a Canadian patent is 17 years. Consequently all Canadian patents up to and including No. 1,160,400 which issued on January 9, 1984 have now expired. The inventions covered by these and all earlier patents may now be used by the public in Canada provided other unexpired patents are not infringed.

### **12. Laid-Open Applications**

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.

### **13. 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. 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

### **11. Brevets expirés**

Pour toutes les demandes de brevet déposées avant le 1er octobre 1989, la durée d'un brevet canadien est de 17 ans. Par conséquent, tous les brevets canadiens qui ont été délivrés le 9 janvier 1984 sont maintenant expirés, jusque et y compris le no. 1,160,400. Les inventions faisant l'objet de ces brevets et de tout brevet antérieur peuvent maintenant être utilisées par le public au Canada, pourvu qu'il n'y ait pas contre façon d'autres brevets non expirés.

### **12. Demandes mises à la disponibilité du public**

Toutes les demandes de brevet et documents relatifs à ceux-ci, déposées 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.

### **13. Langue du document publié**

Toute personne intéressée d'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.



**Avis**

**14. Patent Cooperation Treaty (PCT)**

**14. Traité de coopération en matière de brevets (PCT)**

**SCHEDULE OF FEES APPLICABLE  
AS OF JANUARY 01, 2001**

**BARÈME DE TAXES À PARTIR DU  
1 JANVIER 2001**

<b>FEES</b>	<b>AMOUNTS</b>
	\$
1. <b>Transmittal Fee:</b> (Rule 14)	200.00
2*. <b>Basic Fee:</b> (Rule 15.2(a))	562.00
Amount for each additional sheet over 30	13.00
3. <b>Designation Fee:</b> (Rule 15.2(a))	121.00
The maximum that can be charged for the Designation Fee is \$726.00; therefore, if more than 6 countries are designated the fee remains \$726.00	

**4. International Search Fee** 1,249.00  
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 Officer). If the International Application does not contain a priority claim, the Designation Fee is due within one year from the International Filing Date. These fees are to be paid in Canadian dollars and made payable to the Receiver General of 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 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.

**5. Late Payment Fee** 50% of the fees that are due, or,  
Minimum: Transmittal Fee  
Maximum: Basic Fee

**Preliminary Examination**

**6. Handling Fee:** 287.51 Deutsche Marks  
(Rule 57.2(a)) 147.00 Euro Dollars

**7. Preliminary Examination Fee:** 2,998.29 Deutsche Marks  
(Rule 58) 1,533.00 Euro Dollars

The Preliminary Examination Fees are paid in Deutsche Marks or Euro Dollars. They should be paid directly to the European Patent Office in Munich but may now be filed in the Canadian Receiving Office.

\* International fees will be reduced by \$194.00 for all applications filed using PCT-Easy.

<b>TAXES</b>	<b>MONTANTS</b>
	\$
1. <b>Taxe de transmission:</b> (Règle 14)	200,00
2*. <b>Taxe de base:</b> (Règle 15.2(a))	562,00
Montant pour chaque feuille au delà de 30	13,00
3. <b>Taxe de désignation</b> (par pays) (Règle 15.2(a))	121,00
Le maximum payable pour la taxe de désignation est de 726,00 \$; donc, si plus que 6 pays sont désignés, la taxe demeure 726,00 \$.	

**4. Taxe de recherche internationale** 1 249,00  
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 du dépôt de la demande (soit la date de réception de la demande internationale). Si la demande ne contient pas de revendication de priorité, la taxe de désignation est due dans un délai d'un an à compter de la date du dépôt de la demande internationale. Les taxes doivent être payées en dollars canadien et sont payables au Receveur Générale du Canada.

Si l'office récepteur constate que le déposant ne lui a payé aucune taxe, il invite le déposant à lui payer, dans un délai d'un mois à compter de la date de l'invitation, le montant nécessaire pour couvrir ces taxes, majoré, le cas échéant, de la taxe pour paiement tardif visée à la règle 16bis.2.

**5. Taxe pour paiement tardif** 50% du montant impayé, ou,  
Minimum: taxe de transmission  
Maximum: taxe de base

**Examen préliminaire**

**6. Taxe de traitement:** 287,51 marks allemands  
(Règle 57.2(a)) 147,00 dollars euro

**7. Taxe d'examen préliminaire:** 2 998,29 marks allemands  
(Règle 58) 1 533,00 dollars euro

Les taxes d'examen préliminaire sont payables en Deutsche Marks ou en Euro Dollars. Elles doivent être payées à l'Office européen des brevets mais peuvent être payées au Office Receveur de Canada.

\*Les frais seront réduits par 197,00 \$ pour toutes les demandes déposées en utilisant PCT-Easy.

## Notices

### 15. PCT Notices

#### **PCT Signature Requirements**

Please note that in conformity with the PCT requirements, the European Patent Office (EPO) requires that the signature identifies a physical person (whose name should be typewritten below the signature); where the person signs on behalf of a legal entity, the capacity should also be indicated (typewritten). (See PCT -Applicant's Guide, <http://www.wipo.int>).

#### **Patent Cooperation Treaty (PCT)**

Copies of the Patent Cooperation Treaty Applicants Guide and the Patent Cooperation Treaty & Regulations are available from WIPO 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 -World Intellectual Property Organization 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 at [publications.mail@wipo.int](mailto:publications.mail@wipo.int) or visit their website at <http://www.wipo.int>.

### 15. Avis PCT

#### **Exigences des signatures du PCT**

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

Des copies du Guide du déposant - PCT ainsi que du Traité et des Règlements sont disponibles auprès de l'OMPI 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 - Organisation mondiale de la propriété intellectuelle 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 à [publications.mail@wipo.int](mailto:publications.mail@wipo.int) ou visiter leur site web à <http://www.wipo.int>.

## Avis

### **16. Laid-Open Applications**

The Patent Office Record of January 9, 2001 contains laid-open applications from December 17, 2000 - December 23, 2000.

### **16. Demandes Canadiennes mises à la disponibilité du public**

Ce numéro de la Gazette des brevets du Canada contient les demandes disponibles au public pour consultation pour la période du 17 décembre 2000 - 23 décembre 2000.

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[51] Int.Cl. 5F21V 33/00  
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[54] **METHODE ET COMPOSITION POUR LA PRECIPITATION DE L'EAU ATMOSPHERIQUE**  
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[73] ALCATEL, N.V., NL  
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[11] **2,121,104**  
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[54] **INSTALLATION DE TRAITEMENT DES DECHETS**  
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[54] **-(BENZODIOXAN, BENZOFURAN OR BENZOPYRAN)-ALKYLAMINO|ALKYL SUBSTITUTED GUANIDINES AS SELECTIVE VASOCONSTRICTORS**  
[54] **DERIVES DE SUBSTITUTION -(BENZODIOXAN, BENZOFURAN OU BENZOPYRAN)ALKYLAMINO|ALKYL IQUES DE GUANIDINES, VASOCONSTRICTEURS SELECTIFS**  
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[25] EN  
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[54] **ELECTRON-BEAM GENERATING DEVICE HAVING PLURALITY OF COLD CATHODE ELEMENTS, METHOD OF DRIVING SAID DEVICE AND IMAGE FORMING APPARATUS APPLYING SAME**  
[54] **GENERATION DE FAISCEAU ELECTRONIQUE A PLUSIEURS CATHODES FROIDES, METHODE D'ATTAQUE DE CE GENERATEUR ET APPAREIL D'IMAGERIE UTILISANT CETTE METHODE**  
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[54] **APPARATUS FOR MANUFACTURING ELECTRON SOURCE AND IMAGE FORMING APPARATUS**  
[54] **APPAREIL DE FABRICATION DE SOURCES D'ELECTRONS ET D'IMAGEURS**  
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[54] **ELECTRON-EMITTING DEVICE AND METHOD OF MANUFACTURING THE SAME AS WELL AS ELECTRON SOURCE AND IMAGE FORMING APPARATUS COMPRISING SUCH ELECTRON-EMITTING DEVICES**  
[54] **DISPOSITIF EMETTEUR D'ELECTRONS; PROCEDE DE FABRICATION DE CE DISPOSITIF; SOURCE D'ELECTRONS ET APPAREIL DE VISUALISATION COMPORTANT CE TYPE DE DISPOSITIF**  
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[54] **USE OF TOMATO E8-DERIVED PROMOTERS TO EXPRESS S-ADENOSYLMETHIONINE HYDROLASE IN RIPENING FRUIT**  
[54] **EMPLOI DE PROMOTEURS E8 DERIVES DE LA TOMATE POUR L'EXPRESSION DE LA S-ADENOSYLMETHIONINE HYDROLASE DANS LE MURISSEMENT DU FRUIT**  
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[73] Agritope, Inc., US  
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[54] **EMBOUT DE SERINGUE**  
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[87] (WO94/22511)  
[30] AT (A 656/93) 1993-03-31  
[30] AT (A 657/93) 1993-03-31

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[13] C

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[25] EN  
[54] **PIVOTED TOOL WITH FOLDABLE HANDLES**  
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[13] C

[51] **Int.Cl. 6C08G 63/88**  
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[54] **PROCESS FOR THE CRYSTALLIZATION OF POLYESTER RESINS**  
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[54] **METHOD AND APPARATUS FOR HIGH-SPEED SCANNING OF ELECTROMAGNETIC FIELD LEVELS**  
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[54] **BUS ARBITRATION BETWEEN AN INPUT/OUTPUT DEVICE AND A PROCESSING DEVICE INCLUDING A FIRST-IN FIRST-OUT TYPE WRITE-IN BUFFER**  
[54] **ARBITRAGE DE BUS ENTRE UN DISPOSITIF D'ENTREE-SORTIE ET UN DISPOSITIF DE TRAITEMENT DANS UN TAMPON D'ENREGISTREMENT DU TYPE PREMIER ENTRE PREMIER SORTI**  
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[54] **PROCESS FOR THE SOLID STATE POLYCONDENSATION OF POLYESTER RESINS**  
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CATALYST FOR OLEFIN  
POLYMERIZATION, PROCESS FOR  
PREPARING THE SAME AND GAS  
PHASE OLEFIN POLYMERIZATION  
PROCESS  
[54] CATALYSEUR DESHYDRATE  
PREPOLYMERISE POUR LA  
POLYMERISATION D'OLEFINES;  
METHODE DE PREPARATION DE CE  
CATALYSEUR; PROCEDE DE  
POLYMERISATION D'OLEFINES EN  
PHASE GAZEUSE  
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CROSSLINKING CATALYSTS  
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[54] **ABSORBEUR D'ENCRE, RESERVOIR D'ENCRE UTILISANT CET ABSORBEUR, CARTOUCHE A JET D'ENCRE INTEGRANT LA TETE D'IMPRESSION ET LE RESERVOIR, PROCEDE DE FABRICATION DU RESERVOIR D'ENCRE, CORPS EN FIBRE UTILISE POUR LE RESERVOIR ET TETE D'IMPRESSION A JET D'ENCRE POUVANT RECEVOIR LA CARTOUCHE A JET D'ENCRE**

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[54] **APPAREIL PERMETTANT DE REALISER DES DECHARGES ELECTRIQUES, ET METHODE CONNEXE**  
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ANTIBODIES SPECIFIC TO CELL  
CYCLE INDEPENDENT GLIOMA  
SURFACE ANTIGEN  
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COMPRISING SILICON-CONTAINING  
RESIDUES, AND PROCESS FOR ITS  
PRODUCTION  
[54] BRIQUETTE UTILISEE COMME  
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[51] Int.Cl. 6C09D 163/02 6C08G 59/50  
[25] EN  
[54] **EPOXY-AMINE BARRIER COATINGS WITH ARYLOXY OR ARYLOATE GROUPS**  
[54] **ENDUITS BARRIERE A BASE D'EPOXY-AMINE COMPORTANT DES GROUPE ARYLOXY OU ARYLOATE**  
[72] CARLBLOM, Leland H., US  
[73] PPG INDUSTRIES OHIO, INC., US  
[85] 1997-05-20  
[86] 1995-09-21 (PCT/US95/12000)  
[87] (WO96/18669)  
[30] US (08/357,687) 1994-12-16

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[11] **2,207,064**  
[13] C  
[51] Int.Cl. 6B23F 23/12 6B23F 21/02 6B23F 21/22 6B23C 5/26  
[25] EN  
[54] **FRONT-LOADING ROTARY RING CUTTER**  
[54] **FRAISE A BAGUE ROTATIVE A CHARGEMENT FRONTAL**  
[72] BALL, Robert J., GB  
[72] LAKEY, Martin John, GB  
[73] THE GLEASON WORKS, US  
[85] 1997-06-05  
[86] 1995-11-08 (PCT/US95/13192)  
[87] (WO96/19310)  
[30] US (08/362,696) 1994-12-22

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[11] **2,207,412**  
[13] C  
[51] Int.Cl. 6H04N 5/33 6G02B 23/12  
[25] EN  
[54] **BATTERY-OPERATED THERMAL IMAGING DEVICE WITH SAFETY BATTERY COMPARTMENT**  
[54] **DISPOSITIF A IMAGERIE THERMIQUE A PILE COMPORTANT UN COMPARTIMENT DE SECURITE POUR PILE**  
[72] AMELINO, Victor, US  
[72] CACIOPPO, Anthony, US  
[72] MLADJAN, Gary, US  
[73] RAYTHEON COMPANY, US  
[85] 1997-06-09  
[86] 1996-10-09 (PCT/US96/16258)  
[87] (WO97/14246)  
[30] US (08/540,737) 1995-10-11

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[11] **2,209,166**  
[13] C  
[51] Int.Cl. 6G02B 7/00 6G02B 27/00  
[25] EN  
[54] **MOUNT FOR OPTICAL COMPONENTS**  
[54] **DISPOSITIF DE FIXATION D'ELEMENT OPTIQUE**  
[72] STRENTSTROM, Jeffrey J., US  
[73] RAYTHEON COMPANY, US  
[22] 1997-06-27  
[30] US (08/674,291) 1996-07-01

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[11] **2,209,852**  
[13] C  
[51] Int.Cl. 6B32B 3/30 6G03G 7/00 6G02B 5/28  
[25] EN  
[54] **EMBOSSSED SUBSTRATE AND PHOTORECEPTOR DEVICE INCORPORATING THE SAME AND METHOD**  
[54] **SUBSTRAT GAUFFRE, DISPOSITIF PHOTORECEPTEUR LE COMPRENANT ET PROCEDE D'UTILISATION**  
[72] DAVIS, Gregory F., US  
[73] FLEX PRODUCTS, INC., US  
[85] 1997-07-08  
[86] 1996-11-07 (PCT/US96/18096)  
[87] (WO97/17193)  
[30] US (08/555,530) 1995-11-09

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[11] **2,215,703**  
[13] C  
[51] Int.Cl. 6A61B 6/00 6A61B 6/03  
[25] EN  
[54] **UNIVERSAL RADIOGRAPHIC/FLUOROSCOPIC DIGITAL ROOM**  
[54] **CHAMBRE UNIVERSELLE NUMERIQUE RADIOGRAPHIQUE/FLUOROSCOPIQUE**  
[72] ROSEVEAR, Thomas, US  
[72] KOJRO, Allan, US  
[72] KHUTORYANSKY, Oscar, US  
[72] SIMAK, Thomas, US  
[72] BLESER, Dennis, US  
[73] CONTINENTAL X-RAY CORPORATION, US  
[85] 1997-09-17  
[86] 1996-05-15 (PCT/US96/06936)  
[87] (WO96/37088)  
[30] US (08/443,486) 1995-05-18

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[11] **2,219,187**  
[13] C  
[51] Int.Cl. 6B21F 17/00  
[25] EN  
[54] **STRAPPING TOOL WITH IMPROVED PUNCHES**  
[54] **CERCLEUSE AVEC POINCONS AMELIORES**  
[72] CHEUNG, Nelson, US  
[73] ILLINOIS TOOL WORKS INC., US  
[22] 1997-10-22  
[30] US (08/746,120) 1996-11-06

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[11] **2,219,575**  
[13] C  
[51] Int.Cl. 6H01P 1/20  
[25] EN  
[54] **FILTER DEVICE**  
[54] **DISPOSITIF DE FILTRAGE**  
[72] KOBAYASHI, Eiichi, JP  
[72] KUBO, Hiroyuki, JP  
[73] MURATA MANUFACTURING CO., LTD., JP  
[22] 1997-10-29  
[30] JP (8-288526) 1996-10-30

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[11] **2,219,924**  
[13] C  
[51] Int.Cl. 6A01N 63/02 6A01N 37/44 6A01N 47/44  
[25] EN  
[54] **MOIST BACTERIOCIN DISINFECTANT WIPES AND METHODS OF USING THE SAME**  
[54] **LINGETTES HUMIDES DESINFECTANTES CONTENANT UNE BACTERIOCINE ET PROCEDE D'UTILISATION DE CELLES-CI**  
[72] DE LA HARPE, Jon, US  
[72] BLACKBURN, Peter, US  
[73] AMBI Inc., US  
[85] 1997-10-30  
[86] 1996-06-07 (PCT/US96/09763)  
[87] (WO96/39842)  
[30] US (08/479,280) 1995-06-07

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[11] **2,220,564**  
[13] C

[51] **Int.Cl. 6F23D 23/00 6F23D 14/46 6F23D 14/84**  
[25] EN  
[54] **TWO PIECE MULTIPLE INSHOT-TYPE FUEL BURNER STRUCTURE**  
[54] **STRUCTURE DE BRULEUR A COMBUSTIBLE A FLAMME HORIZONTALE EN DEUX PIECES**  
[72] VERDERBER, Jacob J., Jr. (Deceased), US  
[72] BAZZO, Richard J., US  
[72] THEREAU, Kenneth F., US  
[72] WILLBANKS, Scott A., US  
[72] HUFFAKER, Joey W., US  
[72] KNIGHT, John T., US  
[73] Rheem Manufacturing Company, US  
[22] 1997-11-07  
[30] US (08/756,573) 1996-11-26

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[11] **2,220,722**  
[13] C

[51] **Int.Cl. 6H04N 7/167**  
[25] EN  
[54] **DYNAMIC RELOCATION OF THE SERVICE DATA CHANNEL**  
[54] **DEPLACEMENT DYNAMIQUE DU CANAL DE DONNEES DE SERVICE**  
[72] STUFFLET, Alfred W., US  
[72] CHANG, Kevin, US  
[73] GENERAL INSTRUMENT CORPORATION, US  
[22] 1997-11-10  
[30] US (745,998) 1996-11-12

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[11] **2,222,352**  
[13] C

[51] **Int.Cl. 6G03G 15/09 6G03G 21/00**  
[25] EN  
[54] **SELF CLEANING IMAGING MATERIAL LEVEL DISPENSING SYSTEM**  
[54] **SYSTEME DISTRIBUTEUR DE MATIERE A IMPRIMER AUTO-NETTOYANT**  
[72] SERAFINE, Gene S., US  
[72] STAUDT, Rhonda L., US  
[72] VAN DUSER, Jack E., US  
[72] STRUCZEWSKI, Timothy G., US  
[72] BUCH, Douglas W., US  
[73] XEROX CORPORATION, US  
[22] 1997-11-27  
[30] US (08/795,748) 1997-02-06

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[11] **2,223,135**  
[13] C

[51] **Int.Cl. 6B43K 5/18 6B43K 7/10**  
[25] EN  
[54] **DIRECT INK STORING TYPE WRITING INSTRUMENT**  
[54] **INSTRUMENT D'ECRITURE DU TYPE A STOCKAGE DIRECT D'ENCRE**  
[72] MATSUMOTO, Kazuaki, JP  
[73] MITSUBISHI PENCIL KABUSHIKI KAISHA, JP  
[85] 1997-12-18  
[86] 1996-12-24 (PCT/JP96/03750)  
[87] (WO97/30854)  
[30] JP (8/55343) 1996-02-20

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[11] **2,227,097**  
[13] C

[51] **Int.Cl. 6H03K 5/14**  
[25] EN  
[54] **PROCESS-INSENSITIVE CONTROLLABLE CMOS DELAY LINE**  
[54] **LIGNE DE RETARD CMDS CONTROLABLE ET INDEPENDANTE DU PROCEDE**  
[72] LYE, William Michael, CA  
[73] PMC-Sierra Ltd., CA  
[22] 1998-01-16

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[11] **2,229,292**  
[13] C

[51] **Int.Cl. 6H01B 11/00 6H01B 11/02 6H01B 13/14 6H01B 7/28**  
[25] EN  
[54] **CONDUCTOR INSULATED WITH FOAMED FLUOROPOLYMER USING CHEMICAL BLOWING AGENT**  
[54] **CONDUCTEUR ISOLE A LA MOUSSE DE FLUOROPOLYMERE SOUFFLEE AU MOYEN D'UN AGENT D'EXPANSION CHIMIQUE**  
[72] CRATON, Gary L., US  
[73] COMMSCOPE, INC., US  
[22] 1998-02-10  
[30] US (08/799,777) 1997-02-12

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[11] **2,234,469**  
[13] C

[51] **Int.Cl. 6A01N 25/26 6A01N 43/40 6A61K 9/48 6A01N 43/56**  
[25] EN  
[54] **USE OF AN ENCAPSULATED BIOACTIVE COMPOSITION**  
[54] **UTILISATION D'UNE COMPOSITION BIOACTIVE ENCAPSULEE**  
[72] NATOLI, John, US  
[72] GUO, Yili, US  
[72] CLIKEMAN, Richard Roy, US  
[72] WILLS, Morris Christopher, US  
[73] ROHM AND HAAS COMPANY, US  
[22] 1998-04-08  
[30] US (60/043,844) 1997-04-11  
[30] US (09/013,625) 1998-01-26

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[11] **2,237,408**  
[13] C

[51] **Int.Cl. 6G01V 1/36**  
[25] EN  
[54] **HIGH FIDELITY VIBRATORY SOURCE SEISMIC METHOD WITH SOURCE SEPARATION**  
[54] **PROCEDE SISMIQUE A SOURCES VIBRATOIRES HAUTE FIDELITE PRESENTANT UNE SEPARATION DE SOURCES**  
[72] ALLEN, Kenneth Paul, US  
[72] SALLAS, John J., US  
[72] CORRIGAN, Dennis, US  
[73] ATLANTIC RICHFIELD COMPANY, US  
[73] MOBIL OIL CORPORATION, US  
[85] 1998-05-12  
[86] 1997-09-19 (PCT/US97/17001)  
[87] (WO98/12578)  
[30] US (08/717,176) 1996-09-20

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January 9, 2001**

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[11] **2,240,696**  
[13] C

[51] **Int.Cl. 6H04M 3/42 6H04M 1/57 6H04Q 3/72**  
[25] EN  
[54] **METHOD FOR VISUAL DELIVERY TO A CALLER OF SELECTED INFORMATION ASSOCIATED WITH A TELEPHONE NUMBER IN AN ADVANCED INTELLIGENT NETWORK VIA A PUBLIC SWITCH TELEPHONE NETWORK**  
[54] **METHODE UTILISANT UN RESEAU INTELLIGENT PERFECTIONNE ACCESSIBLE PAR L'INTERMEDIAIRE D'UN RESEAU TELEPHONIQUE COMMUTE PUBLIC POUR LIVRER VISUELLEMENT A UN DEMANDEUR DES RENSEIGNEMENTS SELECTIONNES RELIES A UN NUMERO DE TELEPHONE**  
[72] RAJI, Alexander David, US  
[72] KOCH, Robert A., US  
[72] LA PIERRE, Stephen Randolph, US  
[72] MALIK, Dale W., US  
[73] BELLSOUTH INTELLECTUAL PROPERTY CORPORATION, US  
[22] 1998-06-15  
[30] US (08/877,863) 1997-06-18

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[11] **2,244,114**  
[13] C

[51] **Int.Cl. 6H04Q 3/66**  
[25] EN  
[54] **BIDDING FOR TELECOMMUNICATIONS TRAFFIC**  
[54] **SYSTEME D'OFFRES POUR LE TRAFIC DE TELECOMMUNICATIONS**  
[72] COYLE, William F., US  
[72] JOHNSON, Jack J., US  
[73] SUMMIT TELECOM SYSTEMS, INC., US  
[85] 1998-07-24  
[86] 1996-10-31 (PCT/US96/17087)  
[87] (WO97/17815)  
[30] US (08/553,889) 1995-11-06

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[11] **2,245,843**  
[13] C

[51] **Int.Cl. 6A61M 1/02**  
[25] EN  
[54] **CLOSED CIRCUIT AUTOLOGOUS SEQUESTRATION RESERVOIR SYSTEM**  
[54] **RESEVOIR DE RECUEIL DE SANG AUTOLOGUE EN CIRCUIT FERME**  
[72] LOUBSER, Paul G., US  
[73] LOUBSER, Paul G., US  
[85] 1998-08-07  
[86] 1997-02-05 (PCT/US97/01446)  
[87] (WO97/28754)  
[30] US (08/598,688) 1996-02-08

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[11] **2,246,537**  
[13] C

[51] **Int.Cl. 6B66F 11/04**  
[25] EN  
[54] **ARTICULATED TELESCOPIC BOOM HAVING SLIDE-THROUGH KNUCKLE**  
[54] **FLECHE ARTICULEE TELESCOPIQUE A ARTICULATION COULISSANTE**  
[72] CULLITY, Richard E., US  
[73] SKYJACK EQUIPMENT, INC., US  
[85] 1998-08-14  
[86] 1997-02-25 (PCT/US97/02884)  
[87] (WO97/31857)  
[30] US (08/607,346) 1996-02-26

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[11] **2,247,344**  
[13] C

[51] **Int.Cl. 6B66F 9/18 6B66C 1/44**  
[25] EN  
[54] **CLAMP ASSEMBLY WITH AUTOMATIC ROTATION CONTROL**  
[54] **ENSEMBLE DE PREHENSION AVEC COMMANDE AUTOMATIQUE DE ROTATION**  
[72] SEABERG, Richard D., US  
[73] CASCADE CORPORATION, US  
[22] 1998-09-16  
[30] US (08/956,695) 1997-10-24

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[11] **2,247,418**  
[13] C

[51] **Int.Cl. 6H01Q 1/08 6H01Q 1/10 6H01Q 1/22**  
[25] EN  
[54] **ANTENNA FOR A RADIO TELECOMMUNICATIONS DEVICE**  
[54] **ANTENNE POUR DISPOSITIF DE TELECOMMUNICATIONS PAR VOIE HERTZIENNE**  
[72] QI, YIHONG, CA  
[72] ZHU, LIZHONG, CA  
[72] CARKNER, STEVEN, CA  
[72] JARMUSZEWSKI, Perry, CA  
[72] EDMONSON, Peter J., CA  
[73] RESEARCH IN MOTION LIMITED, CA  
[85] 1998-08-27  
[86] 1997-03-04 (PCT/CA97/00155)  
[87] (WO97/33338)  
[30] US (08/611,386) 1996-03-05

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[11] **2,249,403**  
[13] C

[51] **Int.Cl. 6G11B 7/007 6G11B 7/26**  
[25] EN  
[54] **APPARATUS AND METHODS FOR FORMING AND USE WITH VARIABLE PIT DEPTH OPTICAL RECORDING MEDIA**  
[54] **DISPOSITIF ET PROCEDES DE CREATION ET D'UTILISATION D'UN SUPPORT D'ENREGISTREMENT OPTIQUE COMPORTANT DES PUITTS A PROFONDEURS VARIABLES**  
[72] WONG, Terrence L., US  
[72] SPIELMAN, Steven R., US  
[73] CALIMETRICS, INC., US  
[85] 1998-09-18  
[86] 1997-03-24 (PCT/US97/04941)  
[87] (WO97/35304)  
[30] US (08/620,196) 1996-03-22

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9 janvier 2001**

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[11] **2,250,533**

[13] C

[51] **Int.Cl. 6G08C 17/00 6A63H 30/04**

[25] EN

[54] **REMOTELY CONTROLLED TOY  
AND WIRELESS REMOTE OPERABLE  
IN A POINT OF SALE PACKAGE**

[54] **JOUET TELECOMMANDE ET  
MODULE DE TELECOMMANDE POUR  
UTILISATION SUR UN POINT DE  
VENTE**

[72] RUSSO, Carmine, US

[72] JAVORS, Russell, US

[72] LEBENSFELD, Steven, US

[72] KWAN, David Chu Ki, HK

[73] TOYMAX INC., US

[22] 1998-11-04

[30] US (09/006,026) 1998-01-12

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[11] **2,258,087**

[13] C

[51] **Int.Cl. 6G06F 12/14 6H04L 9/30**

[25] EN

[54] **TAMPER RESISTANT METHODS  
AND APPARATUS**

[54] **PROCEDES ET APPAREIL  
INVOLABLES**

[72] GRAUNKE, Gary, US

[72] AUCSMITH, David, US

[73] INTEL CORPORATION, US

[85] 1998-12-09

[86] 1997-06-12 (PCT/US97/10359)

[87] (WO97/48203)

[30] US (08/662,679) 1996-06-13

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[11] **2,270,116**

[13] C

[51] **Int.Cl. 6C12N 15/82 6A62D 3/00  
6A23L 1/015**

[25] EN

[54] **BEAUVERICIN DETOXIFICATION  
COMPOSITIONS AND METHODS**

[54] **COMPOSITIONS ET PROCEDES  
DE DETOXIFICATION DE LA  
BEAUVERICINE**

[72] DUVICK, Jon, US

[72] ROOD, Tracy A., US

[73] PIONEER HI-BRED

INTERNATIONAL, INC., US

[85] 1999-04-27

[86] 1997-11-12 (PCT/US97/21207)

[87] (WO98/22603)

[30] US (08/753,287) 1996-11-22

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**Canadian Patents Issued  
January 9, 2001**

# Canadian Laid-Open Applications

December 17, 2000 - December 23, 2000

## Demandes canadiennes mises à la disponibilité du public

17 décembre 2000 - 23 décembre 2000

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[21] **2,273,453**  
[13] A1

[51] **Int.Cl. 6C12P 19/34 6C12N 15/10 6C12Q 1/68**  
[25] EN  
[54] **A NOVEL MUTATION IN THE CDKN2A GENE AND METHOD FOR DETECTING**  
[54] **NOUVELLE MUTATION DU GENE CDKN2A ET METHODE DE DETECTION**  
[72] LASSAM, Norman, ZZ  
[72] LUI, Ling, ZZ  
[72] HOGG, David, ZZ  
[71] LASSAM, Norman, ZZ  
[71] LUI, Ling, ZZ  
[71] HOGG, David, ZZ  
[22] 1999-06-23  
[43] 2000-12-23

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[21] **2,275,041**  
[13] A1

[51] **Int.Cl. 6H02J 9/00 6H04M 1/00 6H04M 19/00**  
[25] EN  
[54] **METHOD AND APPARATUS OF EXTENDING USEFUL LIFE OF A CORDLESS TELEPHONE DURING A POWER OUTAGE CONDITION**  
[54] **DISPOSITIF ET METHODE PROLONGEANT LA VIE UTILE D'UN TELEPHONE SANS FIL EN PERIODE DE PANNE D'ELECTRICITE**  
[72] BERNARD, BRUCE, CA  
[71] VTECH COMMUNICATIONS, LTD., HK  
[22] 1999-06-17  
[43] 2000-12-17

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[21] **2,275,043**  
[13] A1

[51] **Int.Cl. 6G09F 23/10**  
[25] EN  
[54] **ADVERTISING DEVICE**  
[54] **DISPOSITIF POUR LEGENDE PUBLICITAIRE**  
[72] ENGEL, DAVID, CA  
[71] INNOVATIVE GRAPHICS INC., CA  
[22] 1999-06-17  
[43] 2000-12-17

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[21] **2,275,047**  
[13] A1

[51] **Int.Cl. 6A61B 17/56**  
[25] EN  
[54] **DEVICE FOR RELEASABLY SECURING OBJECTS TO BONES**  
[54] **DISPOSITIF DE FIXATION AMOVIBLE D'OBJETS A DES OS**  
[72] GLOSSOP, NEIL DAVID, CA  
[71] GLOSSOP, NEIL DAVID, CA  
[22] 1999-06-17  
[43] 2000-12-17

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[21] **2,275,049**  
[13] A1

[51] **Int.Cl. 6A61K 31/155 6A61K 45/06 6A61K 7/16**  
[25] EN  
[54] **DRUG DELIVERY COMPOSITION FOR DENTAL APPLICATIONS**  
[54] **COMPOSITION D'ADMINISTRATION DE MEDICAMENT POUR APPLICATIONS DENTAIRES**  
[72] FRIEDMAN, SHIMON, CA  
[72] GRAD, HELEN, CA  
[72] WU, XIAO YU, CA  
[72] HUANG, JUNFU, CA  
[71] FRIEDMAN, SHIMON, CA  
[71] GRAD, HELEN, CA  
[71] WU, XIAO YU, CA  
[71] HUANG, JUNFU, CA  
[22] 1999-06-17  
[43] 2000-12-17

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[21] **2,275,052**  
[13] A1

[51] **Int.Cl. 6A01K 85/00 6A01K 85/14**  
[25] EN  
[54] **FISHING LURE**  
[54] **APPAT DE PECHE**  
[72] STEPHENSON, DALE, CA  
[71] STEPHENSON, DALE, CA  
[22] 1999-06-17  
[43] 2000-12-17

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[21] **2,275,053**  
[13] A1

[51] **Int.Cl. 6B64C 33/02**  
[25] EN  
[54] **HUMAN WINGS**  
[54] **AILES HUMAINES**  
[72] KATIRAI, Bahram, CA  
[71] KATIRAI, Bahram, CA  
[22] 1999-06-22  
[43] 2000-12-22

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[21] **2,275,117**  
[13] A1

[51] **Int.Cl. 6F16L 3/137 6F16L 41/06 6F16B 2/08 6F16L 41/12**  
[25] EN  
[54] **MULTI-SETTING CONNECTOR FOR SAP COLLECTION SYSTEM**  
[54] **CONNECTEUR MULTI-POSITION POUR SYSTEME DE RECOLTE DE SEVE**  
[72] DÉSORCY, RAYNALD, CA  
[72] LAPIERRE, DONALD, CA  
[71] ERATUBE INC., CA  
[22] 1999-06-17  
[43] 2000-12-17

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[21] **2,275,119**  
[13] A1  
[51] **Int.Cl. 6B67D 5/04 6B60S 5/02**  
[25] EN  
[54] **MODULAR FUEL FILLER SYSTEM**  
[54] **SYSTEME MODULAIRE DE**  
**REMPLISSAGE DE RESERVOIR DE**  
**CARBURANT**  
[72] OBERHEIDE, G. CLARKE, US  
[72] GRUBER, HERBERT, US  
[71] OBERHEIDE, G. CLARKE, US  
[71] GRUBER, HERBERT, US  
[22] 1999-06-17  
[43] 2000-12-17

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[21] **2,275,122**  
[13] A1  
[51] **Int.Cl. 6E06B 11/00 6E04H 17/02**  
[25] EN  
[54] **GATE CLOSURE FOR WIRE GATE**  
[54] **DISPOSITIF DE FERMETURE**  
**POUR PORTAIL EN FIL METALLIQUE**  
[72] JUBINVILLE, LEONARD ARTHUR,  
CA  
[71] JUBINVILLE, LEONARD ARTHUR,  
CA  
[22] 1999-06-18  
[43] 2000-12-18

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[21] **2,275,124**  
[13] A1  
[51] **Int.Cl. 6A01C 5/06**  
[25] EN  
[54] **DISC FURROW OPENER**  
[54] **OUVRE-SILLON DE DISQUE**  
[72] HARTMAN, KIM, CA  
[71] HARTMAN, KIM, CA  
[22] 1999-06-17  
[43] 2000-12-17

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[21] **2,275,128**  
[13] A1  
[51] **Int.Cl. 6B26B 1/00**  
[25] EN  
[54] **UTILITY KNIFE**  
[54] **COUTEAU TOUT USAGE**  
[72] WASS, STEVE, CA  
[71] WASS, STEVE, CA  
[22] 1999-06-18  
[43] 2000-12-18

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[21] **2,275,143**  
[13] A1  
[51] **Int.Cl. 6B25B 13/48**  
[25] EN  
[54] **DOUBLE ENDED HOSE WRENCH**  
[54] **ACCESOIRES A DOUBLE BOUT**  
**POUR BOYAU D'ARROSAGE**  
[72] RENAUD, PATRICK, CA  
[71] WILDFIRE FIRE EQUIPMENT INC.,  
CA  
[22] 1999-06-17  
[43] 2000-12-17

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[21] **2,275,378**  
[13] A1  
[51] **Int.Cl. 6G01N 23/04 6G01N 23/22**  
[25] EN  
[54] **HIGH RESOLUTION COLOUR X-**  
**RAY IMAGING SYSTEM**  
[54] **SYSTEME D'IMAGERIE**  
**COULEUR A RAYONS X HAUTE**  
**RESOLUTION**  
[72] STUART, GREG, CA  
[72] HEENAN, ROD, CA  
[71] TANTUS ELECTRONICS CORP., CA  
[22] 1999-06-17  
[43] 2000-12-17

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[21] **2,275,385**  
[13] A1  
[51] **Int.Cl. 6G11B 20/24 6A61B 5/0432**  
[25] EN  
[54] **METHOD AND DEVICE FOR**  
**SEPARATING SIGNAL FROM NOISE IN**  
**REPEATED MULTI-DIMENSIONAL**  
**RECORDS**  
[54] **METHODE ET DISPOSITIF POUR**  
**SEPARER LE SIGNAL DU BRUIT DANS**  
**DES ENREGISTREMENTS**  
**MULTIDIMENSIONNELS REPETES**  
[72] ACHIM, ANDRÉ, CA  
[71] UNIVERSITÉ DU QUÉBEC A  
MONTRÉAL, CA  
[22] 1999-06-18  
[43] 2000-12-18

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[21] **2,275,444**  
[13] A1  
[51] **Int.Cl. 6A01K 85/00**  
[25] EN  
[54] **FISHING LURE**  
[54] **LEURRE**  
[72] DECEMBER, JOHN KINGSLEY, CA  
[71] DECEMBER, JOHN KINGSLEY, CA  
[22] 1999-06-18  
[43] 2000-12-18

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[21] **2,275,449**  
[13] A1  
[51] **Int.Cl. 6B27G 13/08 6B27L 11/00**  
[25] EN  
[54] **A LOG CHIPPING HEAD**  
[54] **TETE D'EQUARRISSEUSE DE**  
**GRUMES**  
[72] CAPP, MICHAEL LINDSAY, CA  
[71] CAPP, MICHAEL LINDSAY, CA  
[22] 1999-06-18  
[43] 2000-12-18

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[21] **2,275,467**  
[13] A1  
[51] **Int.Cl. 6A61L 2/10 6A61K 41/00**  
**6A61M 1/36**  
[25] EN  
[54] **METHOD AND APPARATUS FOR**  
**FLOWING STERILE FLUID**  
**MEMBRANES**  
[54] **METHODE ET APPAREIL**  
**RELATIFS AUX MEMBRANES DE**  
**LIQUIDE STERILE EN ECOULEMENT**  
[72] LEA, PETER, CA  
[71] BIOPHYS, INC., CA  
[22] 1999-06-18  
[43] 2000-12-18

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[21] **2,275,476**  
[13] A1  
[51] **Int.Cl. 6B23K 9/09**  
[25] EN  
[54] **PULSED GAS METAL ARC**  
**WELDING OF FLAMMABLE LIQUID**  
**CONTAINING WORKPIECES**  
[54] **SOUDAGE A L'ARC SOUS GAZ**  
**PULSE AVEC FIL FUSIBLE DE PIECES**  
**CONTENANT DU LIQUIDE**  
**INFLAMMABLE**  
[72] LESSARD, JEAN B., CA  
[71] JENCO LIMITED, CA  
[22] 1999-06-18  
[43] 2000-12-18

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[21] **2,275,512**  
[13] A1  
[51] **Int.Cl. 6B63B 17/00 6B63B 19/00**  
[25] EN  
[54] **PROTECTIVE COVER FOR**  
**PERSONAL WATERCRAFT**  
[54] **HOUSSE DE PROTECTION POUR**  
**EMBARCATION INDIVIDUELLE**  
[72] REHEL, PERRY, CA  
[72] REHEL, MICHAEL, CA  
[71] REHEL, PERRY, CA  
[71] REHEL, MICHAEL, CA  
[22] 1999-06-18  
[43] 2000-12-18

**Demandes canadiennes mises à la disponibilité du public**  
**17 décembre 2000 - 23 décembre 2000**

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[21] **2,275,530**  
[13] A1

[51] **Int.Cl. 6A61D 7/00 6A61M 21/02**  
[25] EN  
[54] **APPARATUS FOR THE DELIVERY TO AN ANIMAL OF A BENEFICIAL AGENT**  
[54] **APPAREIL POUR L'ADMINISTRATION D'UN AGENT BENEFIQUE AUX ANIMAUX**  
[72] SALASIDIS, ROBERT, CA  
[71] SALASOFT INC., CA  
[22] 1999-06-18  
[43] 2000-12-18

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[21] **2,275,676**  
[13] A1

[51] **Int.Cl. 6A46B 9/04 6A46B 11/00**  
[25] EN  
[54] **PAK MONT TOOTHBRUSH**  
[54] **BROSSE A DENTS « PAK MONT »**  
[72] AKRAM, ASHFAQ, US  
[71] AKRAM, ASHFAQ, US  
[22] 1999-06-23  
[43] 2000-12-23

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[21] **2,275,731**  
[13] A1

[51] **Int.Cl. 6A01G 23/14**  
[25] FR  
[54] **CHALUMEAU DOUBLE**  
[54] **DOUBLE SPILE**  
[72] DARVEAU, DENIS, CA  
[71] DARVEAU, DENIS, CA  
[22] 1999-06-17  
[43] 2000-12-17

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[21] **2,275,735**  
[13] A1

[51] **Int.Cl. 6A63C 1/30**  
[25] FR  
[54] **CHASSIS EN ALLIAGE POUR PATINS A GLACE ET PATINS A ROUES ALIGNEES**  
[54] **ALLOY FRAME FOR ICE SKATES AND IN-LINE SKATES**  
[72] ROUILLARD, SYLVAIN, CA  
[72] TREMBLAY, GUY, CA  
[71] ROUILLARD, SYLVAIN, CA  
[71] TREMBLAY, GUY, CA  
[22] 1999-06-18  
[43] 2000-12-18

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[21] **2,275,780**  
[13] A1

[51] **Int.Cl. 6A01M 31/06**  
[25] EN  
[54] **FLOATING SILHOUETTE DECOYS**  
[54] **LEURRES SILHOUETTES FLOTTANTS**  
[72] ONGARO, CLAUDIO FRANCO, CA  
[71] ONGARO, CLAUDIO FRANCO, CA  
[22] 1999-06-17  
[43] 2000-12-17

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[21] **2,275,800**  
[13] A1

[51] **Int.Cl. 6G02B 6/122 6H04J 14/02**  
[25] EN  
[54] **ATHERMAL WAVEGUIDE GRATING BASED DEVICE HAVING A TEMPERATURE COMPENSATOR IN THE SLAB WAVEGUIDE REGION**  
[54] **DISPOSITIF RESEAU DE GUIDE D'ONDES ATHERMIQUE AVEC COMPENSATEUR DE TEMPERATURE DANS LA REGION DU GUIDE D'ONDES PLAN**  
[72] HE, JIAN-JUN, CA  
[72] KOTELES, EMIL S., CA  
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA  
[22] 1999-06-17  
[43] 2000-12-17

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[21] **2,275,806**  
[13] A1

[51] **Int.Cl. 6A63F 3/00**  
[25] EN  
[54] **SOLAR FLIGHT**  
[54] **JEU DE TABLE « SOLAR FLIGHT »**  
[72] BONCHAL, JOHN, CA  
[71] BONCHAL, JOHN, CA  
[22] 1999-06-17  
[43] 2000-12-17

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[21] **2,275,807**  
[13] A1

[51] **Int.Cl. 6H02N 2/00 6H02N 2/10**  
[25] EN  
[54] **PIEZO-ELECTRIC ZPE COUPLED MOTOR**  
[54] **MOTEUR A COUPLAGE ZPE PIEZOELECTRIQUE**  
[72] MELCAREK, Edward, CA  
[72] LAGACE, Gerald, CA  
[71] MELCAREK, Edward, CA  
[71] LAGACE, Gerald, CA  
[22] 1999-06-17  
[43] 2000-12-17

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[21] **2,275,808**  
[13] A1

[51] **Int.Cl. 6B41K 3/02 6B41F 1/02**  
[25] EN  
[54] **METHOD AND JIG FOR DRY PRINTING A WORKPIECE USING A HAND-HELD MANUALLY OPERATED APPARATUS**  
[54] **METHODE ET GABARIT POUR L'IMPRESSION A SEC D'UNE PIECE AU MOYEN D'UN APPAREIL MANUEL PORTATIF**  
[72] DUBOIS, Constant, CA  
[71] DUBOIS, Constant, CA  
[22] 1999-06-21  
[43] 2000-12-21

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[21] **2,275,809**  
[13] A1

[51] **Int.Cl. 6B65F 1/08 6B65D 25/04**  
[25] EN  
[54] **RECYCLE BOX DIVIDER**  
[54] **CLOISONNETTES MOBILES POUR BOITE DE RECYCLAGE**  
[72] HOFEREK, DUSAN M., CA  
[71] HOFEREK, DUSAN M., CA  
[22] 1999-06-22  
[43] 2000-12-22

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[21] **2,275,814**  
[13] A1

[51] **Int.Cl. 6E21B 33/06**  
[25] EN  
[54] **BLOWOUT PREVENTER PROTECTOR AND SETTING TOOLS**  
[54] **PROTECTEUR DE BLOC OBTURATEUR DE PUIITS ET OUTILS DE MISE EN PLACE**  
[72] DALLAS, L. MURRAY, US  
[71] DALLAS, L. MURRAY, US  
[22] 1999-06-21  
[43] 2000-12-21

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[21] **2,275,817**  
[13] A1

[51] **Int.Cl. 6H02J 9/06**  
[25] EN  
[54] **AUTOMATIC TRANSFER SWITCH**  
[54] **COMMUTATEUR DE TRANSFERT AUTOMATIQUE**  
[72] SCHNACKENBERG, PAUL, US  
[72] OUGHTON, GEORGE, US  
[71] GEN-TRAN CORPORATION, US  
[22] 1999-06-21  
[43] 2000-12-18  
[30] US (UNKNOWN) 1999-06-18

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**Canadian Laid-Open Applications**  
**December 17, 2000 - December 23, 2000**

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[21] **2,275,819**  
[13] A1

[51] **Int.Cl. 6G02B 27/02 6G02B 27/42**  
[25] EN  
[54] **OPTICAL INSTRUMENT AND OPTICAL ELEMENT THEREOF**  
[54] **INSTRUMENT OPTIQUE ET ELEMENT OPTIQUE INTEGRE**  
[72] FREEMAN, ROBIN JOHN, GB  
[71] FREEMAN, ROBIN JOHN, GB  
[22] 1999-06-21  
[43] 2000-12-21

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[21] **2,275,826**  
[13] A1

[51] **Int.Cl. 6G06F 9/46 6G06F 15/16**  
[25] EN  
[54] **A METHOD OF SCHEDULING EXECUTIONS OF PERIODIC AND ASYNCHRONOUS REAL-TIME PROCESSES HAVING HARD OR SOFT DEADLINES**  
[54] **METHODE PERMETTANT DE PLANIFIER L'EXECUTION DE PROCESSUS PERIODIQUES ET ASYNCHRONES EN TEMPS REEL SELON DES ECHEANCES FERMES OU SOUPLES**  
[72] XU, JIA, CA  
[71] XU, JIA, CA  
[22] 1999-06-18  
[43] 2000-12-18

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[21] **2,275,832**  
[13] A1

[51] **Int.Cl. 6H04M 11/06 6H04L 29/06**  
[25] EN  
[54] **METHOD AND APPARATUS FOR PROVIDING BACKGROUND ACOUSTIC NOISE DURING A DISCONTINUED/REDUCED RATE TRANSMISSION MODE OF A VOICE TRANSMISSION SYSTEM**  
[54] **METHODE ET APPAREIL PERMETTANT DE PRODUIRE DU BRUIT ACOUSTIQUE DE FOND DANS UN MODE DE TRANSMISSION A DEBIT DISCONTINU/REDUIT D'UN SYSTEME DE TRANSMISSION DE LA VOIX**  
[72] EL-MALEH, KHALED HELMI, CA  
[72] KABAL, PETER, CA  
[71] EL-MALEH, KHALED HELMI, CA  
[71] KABAL, PETER, CA  
[22] 1999-06-18  
[43] 2000-12-18

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[21] **2,275,836**  
[13] A1

[51] **Int.Cl. 6B27M 1/08 6B27M 3/00**  
[25] EN  
[54] **PRODUCTION OF COMPOSITE WOOD PRODUCT FROM USED WOOD**  
[54] **PRODUCTION D'UN MATERIAU COMPOSITE EN BOIS A PARTIR DE BOIS DE RECUPERATION**  
[72] MCNEIL, DWAIN, CA  
[71] MCNEIL, DWAIN, CA  
[22] 1999-06-21  
[43] 2000-12-21

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[21] **2,275,843**  
[13] A1

[51] **Int.Cl. 6B65H 39/06 6B65H 31/30 6B65H 5/34**  
[25] EN  
[54] **METHOD AND APPARATUS FOR MERGING SHINGLED SIGNATURE STREAMS**  
[54] **METHODE ET DISPOSITIF D'EMPILEMENT EN DECALE DE CAHIERS D'IMPRIMERIE**  
[72] COLLINS, MICHAEL A., US  
[71] COLLINS, MICHAEL A., US  
[22] 1999-06-21  
[43] 2000-12-21

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[21] **2,275,848**  
[13] A1

[51] **Int.Cl. 6B62D 33/02 6B62D 29/02 6B62D 25/20**  
[25] EN  
[54] **FLOORING PANEL FOR A TRANSPORT VEHICLE**  
[54] **PANNEAU DE PLANCHER POUR VEHICULE DE TRANSPORT**  
[72] BÉRUBÉ, JACQUES, CA  
[71] PLANCHERS LECLAIR, CA  
[22] 1999-06-21  
[43] 2000-12-18  
[30] US (UNKNOWN) 1999-06-18

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[21] **2,275,904**  
[13] A1

[51] **Int.Cl. 6A61F 13/14**  
[25] EN  
[54] **NAVEL PROTECTION**  
[54] **PROTEGE-NOMBRIL**  
[72] DEMBECK ELLA, ED, CA  
[71] DEMBECK ELLA, ED, CA  
[22] 1999-06-21  
[43] 2000-12-21

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[21] **2,275,905**  
[13] A1

[51] **Int.Cl. 6G09B 11/00**  
[25] EN  
[54] **KIDZ HINT PRINT PAPER**  
[54] **PAPIER LIGNE D'APPRENTISSAGE DE L'ECRITURE POUR ENFANTS**  
[72] MCGEE, JOSIE E., CA  
[71] MCGEE, JOSIE E., CA  
[22] 1999-06-18  
[43] 2000-12-18

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[21] **2,275,980**  
[13] A1

[51] **Int.Cl. 6C07D 305/14**  
[25] FR  
[54] **PROCEDE DE RECUPERATION DE PACITAXELINE A PARTIR DE SOURCES NATURELLES**  
[54] **PROCESS FOR RECOVERING PACITAXELINE FROM NATURAL SOURCES**  
[72] DUPUIS, NICOLAS, CA  
[72] BUI-KHAC, TRUNG, CA  
[71] CHAICHEM PHARMACEUTICALS INTERNATIONAL, CA  
[22] 1999-06-22  
[43] 2000-12-22

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[21] **2,275,981**  
[13] A1

[51] **Int.Cl. 6B25J 9/00**  
[25] FR  
[54] **PROCEDE DE MANUTENTION D'UNE PIECE DEPUIS UN POSTE D'ATTENTE JUSQU'A UN POSTE DE TRAITEMENT**  
[54] **PROCESS FOR HANDLING A PART FROM A HOLDING STATION TO A TREATMENT STATION**  
[72] DUJARDIN, GAUTHIER, FR  
[72] DUPUIS, CLAUDE, FR  
[71] RENAULT AUTOMATION, FR  
[22] 1999-06-22  
[43] 2000-12-22

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**Demandes canadiennes mises à la disponibilité du public**  
**17 décembre 2000 - 23 décembre 2000**

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[21] **2,275,994**  
[13] A1

[51] **Int.Cl. 6A63F 9/24 6A63H 33/00**  
[25] EN  
[54] **ELECTRONIC GAME APPARATUS**  
[54] **APPAREILLAGE DE JEU**  
**ELECTRONIQUE**  
[72] MARMET, ANDRÉ, CA  
[72] PEDNEAULT, YVES, CA  
[72] BÉLANGER, ÉRIC, CA  
[71] MINIMAX TECHNOLOGIES INC.,  
CA  
[22] 1999-06-22  
[43] 2000-12-22

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[21] **2,276,119**  
[13] A1

[51] **Int.Cl. 6B27B 31/00**  
[25] EN  
[54] **LUMBER POSITIONER WITH**  
**VERTICALLY ROTATABLE LATERAL**  
**DISPLACEMENT MEANS**  
[54] **POSITIONNEUR DE BOIS**  
**D'OEUVRE A DEPLACEMENT**  
**LATERAL ET ROTATION VERTICALE**  
[72] PELLETIER, JEAN, CA  
[71] PELLETIER, JEAN, CA  
[22] 1999-06-21  
[43] 2000-12-21

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[21] **2,276,121**  
[13] A1

[51] **Int.Cl. 6B25B 7/04**  
[25] EN  
[54] **SELF-ADJUSTING PLIERS**  
[54] **PINCES AUTOREGLABLES**  
[72] AZKONA OLLACARIZQUETA,  
MANUEL, ES  
[71] SUPER-EGO TOOLS, S.A., ES  
[22] 1999-06-21  
[43] 2000-12-21

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[21] **2,276,124**  
[13] A1

[51] **Int.Cl. 6A44C 1/00 6A44C 27/00**  
[25] EN  
[54] **BODY JEWELLERY**  
[54] **RECEPTACLE A BIJOUX**  
[72] CZUPRYNIAK, PATRICK, CA  
[71] CZUPRYNIAK, PATRICK, CA  
[22] 1999-06-21  
[43] 2000-12-21

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[21] **2,276,222**  
[13] A1

[51] **Int.Cl. 6E21B 7/08**  
[25] EN  
[54] **HIGH PRESSURE INTERNAL**  
**SLEEVE FOR USE WITH EASILY**  
**DRILLABLE EXIT PORTS**  
[54] **MANCHON INTERNE A HAUTE**  
**PRESSION UTILISABLE AVEC DES**  
**ORIFICES DE SORTIE FACILES A**  
**FORER**  
[72] NISTOR, RADU NICOLAE, CA  
[71] HALLIBURTON ENERGY  
SERVICES, INC., US  
[22] 1999-06-23  
[43] 2000-12-23

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[21] **2,276,224**  
[13] A1

[51] **Int.Cl. 6H04L 12/16**  
[25] EN  
[54] **A SYSTEM AND METHOD FOR**  
**IMPLEMENTING AN INTERACTIVE**  
**WEB PAGE**  
[54] **SYSTEME ET DISPOSITIF DE**  
**MISE EN PLACE DE PAGE WEB**  
**INTERACTIVE**  
[72] WANG, ZHIBO, OI  
[71] WANG, ZHIBO, CA  
[22] 1999-06-23  
[43] 2000-12-23

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[21] **2,276,233**  
[13] A1

[51] **Int.Cl. 6C12N 15/82 6C12N 5/04**  
**6C12N 15/29**  
[25] EN  
[54] **COMPOSITIONS AND METHODS**  
**FOR MODULATING GENE**  
**EXPRESSION IN PLANTS**  
[54] **COMPOSITIONS ET METHODES**  
**POUR MODULER L'EXPRESSION**  
**GENETIQUE CHEZ LES VEGETAUX**  
[72] VANCE, VICKI BOWMAN, US  
[71] THE UNIVERSITY OF SOUTH  
CAROLINA, US  
[22] 1999-06-23  
[43] 2000-12-23

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[21] **2,276,282**  
[13] A1

[51] **Int.Cl. 6C08F 4/656 6C08F 232/08**  
**6C08F 236/20 6C08F 4/68 6C08F 4/70**  
[25] EN  
[54] **OLEFIN POLYMERIZATION**  
**PROCESS AND CATALYST SYSTEM**  
**THEREFOR**  
[54] **PROCESSUS DE**  
**POLYMERISATION DES OLEFINES ET**  
**SYSTEME DE CATALYSEUR UTILISE**  
**A CETTE FIN**  
[72] ZAHALKA, HAYDER, CA  
[72] MAGER, MICHAEL, DE  
[72] BECKE, SIGURD, DE  
[71] BAYER AKTIENGESELLSCHAFT,  
DE  
[71] BAYER INC., CA  
[22] 1999-06-23  
[43] 2000-12-23

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[21] **2,276,294**  
[13] A1

[51] **Int.Cl. 6A43B 7/06 6A43B 13/00**  
**6A43B 13/18**  
[25] EN  
[54] **SHOE SOLE WITH LIQUID-**  
**POWERED VENTILATING FANS**  
[54] **SEMELLE INTERIEURE DE**  
**CHAUSSURE MUNIE DE**  
**VENTILATEURS D'AERATION**  
**ACTIONNES PAR LIQUIDE**  
[72] LANDRY, NORMAN, US  
[71] LANDRY, NORMAN, US  
[22] 1999-06-23  
[43] 2000-12-23

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[21] **2,276,307**  
[13] A1

[51] **Int.Cl. 6E04D 3/32 6E04C 2/54**  
[25] EN  
[54] **BUILDING ELEMENTS**  
[54] **ELEMENTS DE CONSTRUCTION**  
[72] RICHARDSON, CHRISTOPHER, GB  
[71] ULTRAFRAME (UK) LIMITED, GB  
[22] 1999-06-23  
[43] 2000-12-19  
[30] GB (9914279.6) 1999-06-19

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**Canadian Laid-Open Applications  
December 17, 2000 - December 23, 2000**

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[21] **2,276,386**  
[13] A1

[51] **Int.Cl. 6A45D 44/18 6B65D 51/00 6B65D 1/40**  
[25] EN  
[54] **A COVER FOR AN IMPLEMENT HAVING AN EXPANDABLE OPENING**  
[54] **COUVERCLE D'USTENSILE A OUVERTURE EXTENSIBLE**  
[72] LASHOMB, DONALD, US  
[71] LASHOMB, DONALD, US  
[22] 1999-06-28  
[43] 2000-12-21  
[30] US (UNKNOWN) 1999-06-21

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[21] **2,276,794**  
[13] A1

[51] **Int.Cl. 6B05B 1/22 6E03C 1/04**  
[25] EN  
[54] **DIVERTER TUB SPOUT BODY**  
[54] **BEC DE BAIGNOIRE A DERIVATION**  
[72] YANG, JOHNNY, TW  
[71] YANG, JOHNNY, TW  
[22] 1999-06-23  
[43] 2000-12-23

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[21] **2,278,970**  
[13] A1

[51] **Int.Cl. 6F42B 39/00 6B65D 81/32 6B65D 83/66**  
[25] EN  
[54] **DISPOSABLE EXPLOSIVE FOAM DISPENSER**  
[54] **DISTRIBUTEUR JETABLE DE MOUSSE PRODUITE PAR EXPLOSION**  
[72] TROCINO, JOSEPH L., US  
[71] TROCINO, JOSEPH L., US  
[22] 1999-07-27  
[43] 2000-12-22  
[30] US (09/338,039) 1999-06-22

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[21] **2,276,643**  
[13] A1

[51] **Int.Cl. 6F16H 48/20 6B60K 17/16 6F16H 48/22**  
[25] EN  
[54] **STRADDLE-TYPE ALL-TERRAIN VEHICLE WITH PROGRESSIVE DIFFERENTIAL**  
[54] **VEHICULE TOUT TERRAIN A ENFOURCHER AVEC DIFFERENTIEL PROGRESSIF**  
[72] ROBISON, GARY, US  
[72] GAGNON, CLAUDE, CA  
[72] MORIN, VINCENT, CA  
[71] BOMBARDIER INC., CA  
[22] 1999-06-23  
[43] 2000-12-23

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[21] **2,277,726**  
[13] A1

[51] **Int.Cl. 6H04N 7/08**  
[25] EN  
[54] **METHOD SYSTEM AND APPARATUS FOR ENCODING OBJECT INFORMATION (INCLUDING: OBJECT LOCATION AND INTERNET ACCESS INFORMATION) INTO A VIDEO SESSION FOR DISPLAY ON AN ADVANCED TELEVISION**  
[54] **METHODE, SYSTEME ET APPAREIL PERMETTANT DE CODER DE L'INFORMATION SUR DES OBJETS (EMPLACEMENT DES OBJETS ET ACCES INTERNET) DANS UNE SESSION VIDEO PRESENTEE SUR TELEVISEUR PERFECTIONNE**  
[72] VASILAKOS, JOHN ANDREW, CA  
[72] BARRETT, BRAD C., CA  
[71] VASILAKOS, JOHN ANDREW, CA  
[71] BARRETT, BRAD C., CA  
[22] 1999-06-18  
[43] 2000-12-18

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[21] **2,279,731**  
[13] A1

[51] **Int.Cl. 6G01N 31/22**  
[25] EN  
[54] **METHOD OF DETERMINING INHIBITOR CONCENTRATIONS IN INHIBITED ACIDIC PICKLING SOLUTIONS**  
[54] **METHODE SERVANT A DETERMINER LES CONCENTRATIONS D'UN INHIBITEUR DANS LES SOLUTIONS ACIDES DE DECAPAGE INHIBEES**  
[72] BERSHAS, JAMES P., US  
[71] HENKEL CORPORATION, US  
[22] 1999-08-05  
[43] 2000-12-22  
[30] US (09/338,007) 1999-06-22

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[21] **2,276,648**  
[13] A1

[51] **Int.Cl. 6B60K 5/02 6B60K 17/34**  
[25] EN  
[54] **IMPROVED ALL TERRAIN VEHICLE**  
[54] **VEHICULE TOUT TERRAIN AMELIORE**  
[72] GAGNON, CLAUDE, CA  
[72] HOLZLEITNER, JOHANN, AT  
[72] RIOUX, ROGER, CA  
[71] BOMBARDIER INC., CA  
[22] 1999-06-23  
[43] 2000-12-23

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[21] **2,278,433**  
[13] A1

[51] **Int.Cl. 6B01D 29/62**  
[25] EN  
[54] **IMPROVED FILTER SYSTEM**  
[54] **SYSTEME DE FILTRATION AMELIORE**  
[72] KOOPMANS, ROBERT, CA  
[72] MCCAULEY, KEVIN GRAYDON, CA  
[71] ONTARIO POWER GENERATION INC., CA  
[22] 1999-06-22  
[43] 2000-12-22

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[21] **2,280,476**  
[13] A1

[51] **Int.Cl. 6G06F 17/60 6G06F 17/17**  
[25] EN  
[54] **PORTFOLIO STRUCTURING USING LOW-DISCREPANCY DETERMINISTIC SEQUENCES**  
[54] **STRUCTURATION DE PORTEFEUILLE PAR UTILISATION DE SEQUENCES DETERMINISTES A FAIBLE DIVERGENCE**  
[72] PASKOV, SPASSIMIR, US  
[72] TRAUB, JOSEPH F., US  
[72] VANDERHOOF, IRWIN T., US  
[72] PAPAGEORGIOU, ANARGYROS, US  
[71] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US  
[22] 1999-08-18  
[43] 2000-12-18

**Demandes canadiennes mises à la disponibilité du public**  
**17 décembre 2000 - 23 décembre 2000**

<p style="text-align: right;">[21] <b>2,284,324</b> [13] A1</p> <p>[51] <b>Int.Cl. 6E03D 9/10</b> [25] EN [54] <b>TOILET WASTE AGITATING MECHANISM</b> [54] <b>MECANISME D'AGITATION D'EAUX USEES SANITAIRES</b> [72] KOT, JOSEPH F., US [71] KOT, JOSEPH F., US [22] 1999-09-29 [43] 2000-12-18 [30] US (335,963) 1999-06-18</p>	<p style="text-align: right;">[21] <b>2,287,100</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B23K 35/363</b> [25] EN [54] <b>SOLDERING FLUX</b> [54] <b>FLUX DE BRASAGE</b> [72] INGHAM, ANTHONY ELLIS, GB [72] SAMEJA, ASHRAF IBRAHIM, GB [71] ALPHA FRY LIMITED, GB [22] 1999-10-22 [43] 2000-12-17 [30] GB (9914192.1) 1999-06-17</p>	<p style="text-align: right;">[21] <b>2,291,542</b> [13] A1</p> <p>[51] <b>Int.Cl. 7A61K 31/4525 7A61P 43/00 7A61K 9/20 7A61K 9/48</b> [25] EN [54] <b>NOVEL COMPOSITION</b> [54] <b>NOUVELLE COMPOSITION</b> [72] ELDER, DAVID PHILIP, GB [72] AL-GHAZAWAI, AHMAD KHALAF AL-DEEB, GB [72] MENEAUD, PADMA (née PATEL), GB [71] SMITHKLINE BEECHAM P.L.C., GB [22] 1999-12-03 [43] 2000-12-22 [30] GB (9914601.1) 1999-06-22 [30] GB (9914709.2) 1999-06-23 [30] GB (9927501.8) 1999-11-19</p>
<p style="text-align: right;">[21] <b>2,285,661</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B01D 29/64</b> [25] EN [54] <b>IMPROVED EFFLUENT FILTER FOR SEPTIC TANKS AND OTHER ON-SITE WASTE DISPOSAL SYSTEMS</b> [54] <b>FILTRE AMELIORE POUR EFFLUENTS DE FOSSES SEPTIQUES ET AUTRES SYSTEMES D'EVACUATION DES DECHETS SUR PLACE</b> [72] MEYERS, THEODORE W., US [71] TUF-TITE, INC., US [22] 1999-10-06 [43] 2000-12-23 [30] US (09/338,371) 1999-06-23</p>	<p style="text-align: right;">[21] <b>2,287,536</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C25D 17/00 6C25D 1/04</b> [25] EN [54] <b>ANODE STRUCTURE FOR MANUFACTURE OF METALLIC FOIL</b> [54] <b>STRUCTURE D'ANODE POUR LA FABRICATION DE FEUILLES METALLIQUES</b> [72] STEVENS, MICHAEL L., US [72] WANG, JIANGTAO, US [72] BRIGGS, JOHN C., US [72] CLOUSER, SIDNEY J., US [71] GA-TEK INC. (DOING BUSINESS AS GOULD ELECTRONICS INC.), US [22] 1999-10-27 [43] 2000-12-22 [30] US (09/337,576) 1999-06-22</p>	<p style="text-align: right;">[21] <b>2,292,340</b> [13] A1</p> <p>[51] <b>Int.Cl. 7A47K 10/26 7A47K 10/34</b> [25] EN [54] <b>TOWEL DISPENSER WITH ANTI-FREE WHEEL MECHANISM</b> [54] <b>DISTRIBUTEUR D'ESSUIE-TOUT AVEC MECANISME A TAMBOUR DE FREINAGE</b> [72] KEARNEY, WILLIAM T., III, US [72] ELLIOTT, ADAM T., US [71] BAY WEST PAPER CORPORATION, US [22] 1999-12-17 [43] 2000-12-21 [30] US (09/337,152) 1999-06-21</p>
<p style="text-align: right;">[21] <b>2,287,050</b> [13] A1</p> <p>[51] <b>Int.Cl. 6E21B 4/00 6E21B 7/00 6E21B 7/04</b> [25] EN [54] <b>ROTATING PUSH ROD BORING SYSTEM</b> [54] <b>SYSTEME DE FORAGE A TIGE ROTATIVE DE POUSSEE</b> [72] CULVER, BARRY, CA [71] CULVER, BARRY, CA [22] 1999-10-21 [43] 2000-12-21 [30] US (60/139,800) 1999-06-21</p>	<p style="text-align: right;">[21] <b>2,288,818</b> [13] A1</p> <p>[51] <b>Int.Cl. 7B65D 27/04 7G06K 7/00 7B31B 19/14</b> [25] EN [54] <b>DEBIT CARD BOX PACKAGE</b> [54] <b>COLIS POUR BOITE DE CARTES DE DEBIT</b> [72] KRAHN, GERALD C., US [71] MOORE NORTH AMERICA, INC., US [22] 1999-11-05 [43] 2000-12-23 [30] US (09/338,523) 1999-06-23</p>	<p style="text-align: right;">[21] <b>2,292,374</b> [13] A1</p> <p>[51] <b>Int.Cl. 7A47K 10/24 7A47K 10/32</b> [25] EN [54] <b>TOWEL DISPENSER WITH METERING MECHANISM</b> [54] <b>DISTRIBUTEUR D'ESSUIE-TOUT AVEC MECANISME DE MESURE</b> [72] PARALES, RICARDO M., US [72] ELLIOTT, ADAM T., US [71] BAY WEST PAPER CORPORATION, US [22] 1999-12-17 [43] 2000-12-21 [30] US (09/336,977) 1999-06-21</p>

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[21] **2,293,140**  
[13] A1  
[51] **Int.Cl. 7A41F 1/00 7A41D 27/00**  
**7A42B 1/24**  
[25] EN  
[54] **ARTICLE OF CLOTHING WITH**  
**EMBEDDED MAGNET**  
[54] **VETEMENT AVEC AIMANT**  
**INCORPORE**  
[72] TATE, JOHN R., US  
[71] TATE, JOHN R., US  
[22] 1999-12-24  
[43] 2000-12-18  
[30] US (09/336,072) 1999-06-18

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[21] **2,293,941**  
[13] A1  
[51] **Int.Cl. 7B21D 53/00 7B21D 5/00**  
**7C23D 5/00 7F25D 23/00 7B23K 31/02**  
[25] EN  
[54] **METAL, PROTECTIVE COATED**  
**APPLIANCE COMPONENT WITH**  
**ROUNDED, ELONGATED EDGE AND**  
**METHOD OF PRODUCING THE SAME**  
[54] **COMPOSANT D'APPAREIL EN**  
**METAL A REVETEMENT**  
**PROTECTEUR A RIVE ARRONDIE ET**  
**ALLONGEE ET METHODE DE**  
**FABRICATION**  
[72] PENISTEN, THOMAS E., US  
[72] WEGNER, EDWIN F., US  
[71] MAYTAG CORPORATION, US  
[22] 2000-01-05  
[43] 2000-12-22  
[30] US (09/337,508) 1999-06-22

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[21] **2,295,240**  
[13] A1  
[51] **Int.Cl. 7B08B 9/023 7B01J 19/12**  
**7C02F 1/32**  
[25] EN  
[54] **SYSTEM AND APPARATUS FOR**  
**FLUID PURIFICATION AND METHOD**  
**FOR TREATMENT OF A FLUID**  
[54] **SYSTEME ET APPAREIL POUR**  
**L'EPURATION DE FLUIDES ET**  
**METHODE DE TRAITEMENT D'UN**  
**FLUIDE**  
[72] KURTZ, MARK E., US  
[72] ALBERTAZZI, PAUL, US  
[71] IDEAL HORIZONS INC., US  
[22] 2000-01-10  
[43] 2000-12-19  
[30] US (09/336,555) 1999-06-19

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[21] **2,296,268**  
[13] A1  
[51] **Int.Cl. 7D21F 7/08**  
[25] EN  
[54] **METHOD OF MANUFACTURING**  
**A PRESS FABRIC BY SPIRALLY**  
**ATTACHING A TOP LAMINATE**  
**LAYER WITH A HEAT-ACTIVATED**  
**ADHESIVE**  
[54] **METHODE DE FABRICATION**  
**D'UN TISSU DE PRESSE EN FIXANT DE**  
**FACON SPIRALE UNE COUCHE**  
**LAMINEE SUPERIEURE AU MOYEN**  
**D'UN ADHESIF THERMOCOLLANT**  
[72] PAQUIN, MAURICE R., US  
[71] ALBANY INTERNATIONAL CORP.,  
US  
[22] 2000-01-19  
[43] 2000-12-22  
[30] US (09/337,749) 1999-06-22

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[21] **2,296,441**  
[13] A1  
[51] **Int.Cl. 7F21S 8/10 7B60Q 1/44**  
[25] EN  
[54] **ONE PIECE MOLDED**  
**COMPONENT HIGH MOUNTED STOP**  
**LAMP**  
[54] **FEU D'ARRET MONOBLOC A**  
**FIXATION HAUTE**  
[72] WHEAT, RONALD A., US  
[72] BLOOMFIELD, RICHARD M., US  
[72] DESAI, DEVAL M., US  
[71] NORTH AMERICAN LIGHTING,  
INC., US  
[22] 2000-01-19  
[43] 2000-12-23  
[30] US (09/339,078) 1999-06-23

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[21] **2,297,422**  
[13] A1  
[51] **Int.Cl. 7H01J 1/13**  
[25] EN  
[54] **A FLUORESCENT LAMP AND**  
**METHOD FOR MAKING ELECTRODE**  
**ASSEMBLIES FOR FLUORESCENT**  
**LAMPS**  
[54] **LAMPE FLUORESCENTE ET**  
**METHODE DE FABRICATION**  
**D'ENSEMBLES D'ELECTRODES POUR**  
**LAMPES FLUORESCENTES**  
[72] GOTAY, JAMES A., US  
[72] CLEARY, LOUISE D., US  
[72] HUTCHERSON, R. KENNETH, US  
[72] LIMA, JOSEPH V., US  
[72] MOSKOWITZ, PHILIP E., US  
[71] OSRAM SYLVANIA INC., US  
[22] 2000-01-28  
[43] 2000-12-22  
[30] US (09/337,941) 1999-06-22

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[21] **2,297,882**  
[13] A1  
[51] **Int.Cl. 7H02H 9/00**  
[25] EN  
[54] **ELECTRICAL CIRCUIT**  
**PROTECTION**  
[54] **PROTEGE-CIRCUIT**  
**ELECTRIQUE**  
[72] WHITT, JAMES W., US  
[72] GRAVLEY, ROY J., US  
[72] ALLEN, KEVIN J., US  
[72] MAUK, RICHARD A., US  
[72] MIHELIC, RICHARD R., US  
[71] PACCAR INC., US  
[22] 2000-02-03  
[43] 2000-12-17  
[30] US (09/334,832) 1999-06-17

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[21] **2,297,883**  
[13] A1  
[51] **Int.Cl. 7H02J 1/08 7H02G 3/00**  
**7H02G 11/00 7H02J 7/00 7B60R 16/02**  
[25] EN  
[54] **APPARATUS AND METHOD FOR**  
**CONNECTING LOAD CENTER**  
**CONTROLS**  
[54] **DISPOSITIF ET METHODE DE**  
**BRANCHEMENT DE COMMANDES DE**  
**PANNEAU DE DISTRIBUTION**  
[72] GRAVLEY, ROY J., US  
[72] OWENS, BRIAN K., US  
[72] MAUK, RICHARD A., US  
[72] RODRIGUEZ, LOUIS, US  
[72] WHITT, JAMES W., US  
[71] PACCAR INC., US  
[22] 2000-02-03  
[43] 2000-12-17  
[30] US (09/334,833) 1999-06-17

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[21] **2,297,884**  
[13] A1  
[51] **Int.Cl. 7B60Q 1/28 7B60Q 1/38**  
[25] EN  
[54] **DAYTIME RUNNING LIGHT**  
**CIRCUIT**  
[54] **CIRCUIT DE FEUX DE JOUR**  
[72] OWENS, BRIAN K., US  
[72] WHITT, JAMES W., US  
[72] WINCH, WAYNE M., US  
[71] PACCAR INC., US  
[22] 2000-02-03  
[43] 2000-12-17  
[30] US (09/335,254) 1999-06-17

**Demandes canadiennes mises à la disponibilité du public**  
**17 décembre 2000 - 23 décembre 2000**

[21] **2,298,417**  
[13] A1

[51] **Int.Cl. 7H01M 10/26**  
[25] EN  
[54] **NITRITE ADDITIVES FOR NONAQUEOUS ELECTROLYTE RECHARGEABLE CELLS**  
[54] **ADDITIFS A BASE DE NITRITE POUR CELLULES ELECTROCHIMIQUES RECHARGEABLES A ELECTROLYTE NON-AQUEUX**  
[72] GAN, HONG, US  
[72] TAKEUCHI, ESTHER S., US  
[71] WILSON GREATBATCH LTD., US  
[22] 2000-02-14  
[43] 2000-12-23  
[30] US (09/338,887) 1999-06-23

[21] **2,299,149**  
[13] A1

[51] **Int.Cl. 7C07D 305/14**  
[25] FR  
[54] **PROCEDE D'ISOLATION ET DE PURIFICATION DU PACLITAXEL A PARTIR DE SOURCES NATURELLES**  
[54] **PROCESS FOR ISOLATING AND PURIFYING PACLITAXEL FROM NATURAL SOURCES**  
[72] BUI-KHAC, TRUNG, CA  
[72] DUPUIS, NICOLAS, CA  
[71] CHAICHEM PHARMACEUTICALS INTERNATIONAL, CA  
[22] 2000-02-22  
[43] 2000-12-22  
[30] CA (2,275,980) 1999-06-22

[21] **2,299,736**  
[13] A1

[51] **Int.Cl. 7A01C 5/06**  
[25] EN  
[54] **SEED OPENER WITH IMPROVED PRESS WHEEL ATTACHMENT**  
[54] **RAYONNEUR DE SEMOIR A FIXATION AMELIOREE DE ROUE PLOMBEUSE**  
[72] HENNES, MARK A., US  
[71] SUNFLOWER MANUFACTURING COMPANY, INC., US  
[22] 2000-02-29  
[43] 2000-12-17  
[30] US (09/335,143) 1999-06-17

[21] **2,299,808**  
[13] A1

[51] **Int.Cl. 7B63B 7/08 7B63C 9/02**  
[25] EN  
[54] **FABRIC SKINNED INFLATABLE DORY**  
[54] **DORIS PNEUMATIQUE EN TISSU LISSE**  
[72] KURZMAN, GEORGE, US  
[71] KURZMAN, GEORGE, US  
[22] 2000-02-23  
[43] 2000-12-17  
[30] US (09/335,099) 1999-06-17

[21] **2,299,917**  
[13] A1

[51] **Int.Cl. 7B05C 17/02 7B05C 21/00**  
[25] EN  
[54] **PAINT ROLLER FRAME AND PLASTIC CAGE ASSEMBLY WITH SLIDING LOCK**  
[54] **MANCHE DE ROULEAU A PEINTURE ET ARMATURE EN PLASTIQUE AVEC VERROU COULISSANT**  
[72] BUKOVITZ, RICHARD K., US  
[71] THE WOOSTER BRUSH COMPANY, US  
[22] 2000-03-03  
[43] 2000-12-22  
[30] US (09/338,198) 1999-06-22

[21] **2,299,965**  
[13] A1

[51] **Int.Cl. 7F16B 21/16 7B65G 21/20**  
[25] EN  
[54] **CLAMP FOR SUPPORT AND CONNECTION MEMBERS**  
[54] **PINCE DE FIXATION POUR ELEMENTS DE SOUTIEN ET DE RACCORDEMENT**  
[72] MARSETTI, SERGIO, IT  
[71] SYSTEM PLAST STAMPAGGIO TECNOPOLIMERI S.N.C. DI ALBERTO MARSETTI & C., IT  
[22] 2000-03-03  
[43] 2000-12-17  
[30] IT (MI99U 000397) 1999-06-17

[21] **2,300,721**  
[13] A1

[51] **Int.Cl. 7H04B 10/18**  
[25] EN  
[54] **DISPERSION COMPENSATION**  
[54] **COMPENSATION DE LA DISPERSION**  
[72] JONES, KEVAN P., GB  
[71] NORTEL NETWORKS CORPORATION, CA  
[22] 2000-03-15  
[43] 2000-12-23  
[30] US (09/338,693) 1999-06-23

[21] **2,301,481**  
[13] A1

[51] **Int.Cl. 7A47L 13/26 7A47L 13/03 7A47L 13/12**  
[25] EN  
[54] **COMPACT MULTI-PURPOSE CLEANING DEVICE**  
[54] **DISPOSITIF DE NETTOYAGE POLYVALENT COMPACT**  
[72] GILLESPIE, MARY-LYNNE M., CA  
[71] GILLESPIE, MARY-LYNNE M., CA  
[22] 2000-03-03  
[43] 2000-12-18

[21] **2,301,936**  
[13] A1

[51] **Int.Cl. 7G10L 19/00 7H04B 1/66**  
[25] EN  
[54] **METHOD AND APPARATUS FOR CONTROLLING THE TRANSITION OF AN AUDIO SIGNAL CONVERTER BETWEEN TWO OPERATIVE MODES BASED ON A CERTAIN CHARACTERISTIC OF THE AUDIO INPUT SIGNAL**  
[54] **METHODE ET APPAREIL DE CONTROLE DE LA TRANSITION D'UN CONVERTISSEUR DE SIGNAUX AUDIO ENTRE DEUX MODES OPERATIONNELS EN FONCTION DE CERTAINES CARACTERISTIQUES DU SIGNAL AUDIO D'ENTREE**  
[72] CHU, CHUNG CHEUNG C., CA  
[72] RABIPOUR, RAFI, CA  
[72] SLOAN, DAVID G., CA  
[71] NORTEL NETWORKS CORPORATION, CA  
[22] 2000-03-22  
[43] 2000-12-18  
[30] US (09/335,743) 1999-06-18

**Canadian Laid-Open Applications**  
**December 17, 2000 - December 23, 2000**

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[21] **2,303,040**  
[13] A1

[51] **Int.Cl. 7E04C 3/00 7E04C 3/30**  
[25] EN  
[54] **SPANNING MEMBER WITH CONVOLUTED WEB, C-SHAPED FLANGES, AND END PLATE**  
[54] **ELEMENT DE CONSTRUCTION A AME ONDULEE, AILETTES EN C, ET PLAQUE D'EXTREMITÉ**  
[72] MCCracken, Robert G., US  
[71] Wilian Holding Company, US  
[22] 2000-03-29  
[43] 2000-12-18  
[30] US (09/336,207) 1999-06-18

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[21] **2,304,872**  
[13] A1

[51] **Int.Cl. 7C04B 14/18 7C04B 14/20**  
[25] EN  
[54] **LIGHTWEIGHT INSULATING CONCRETE AND METHOD FOR USING SAME**  
[54] **BETON ISOLANT LEGER ET METHODE D'UTILISATION**  
[72] CARKNER, PHILIP M., US  
[71] SIPLAST, INC., US  
[22] 2000-04-07  
[43] 2000-12-22  
[30] US (09/338,252) 1999-06-22

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[21] **2,305,958**  
[13] A1

[51] **Int.Cl. 7E03C 1/042**  
[25] EN  
[54] **EASY CONNECT AND DISCONNECT FAUCET SPOUT ASSEMBLY**  
[54] **ROBINET A BEC A BRANCHEMENT ET DEBRANCHEMENT FACILES**  
[72] BAKER, SCOTT C., US  
[71] EMHART INC., US  
[22] 2000-04-10  
[43] 2000-12-23  
[30] US (09/338,872) 1999-06-23

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[21] **2,303,747**  
[13] A1

[51] **Int.Cl. 7A23G 3/02 7A23P 1/10 7A23G 3/18 7A23G 1/22**  
[25] EN  
[54] **DEVICE FOR MAKING MOULDED CONFECTIONERY PRODUCTS**  
[54] **DISPOSITIF POUR LA PREPARATION DE PRODUITS DE CONFISERIE MOULES**  
[72] NELSON, ROY B., GB  
[72] NELSON, DAVID HOWARD, GB  
[71] SOCIETE DES PRODUITS NESTLE S.A., CH  
[22] 2000-04-06  
[43] 2000-12-22  
[30] EP (99202000.8) 1999-06-22

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[21] **2,305,849**  
[13] A1

[51] **Int.Cl. 7C12Q 1/68 7C07H 21/00 7C12N 15/10 7C12P 19/34**  
[25] EN  
[54] **OLIGONUCLEOTIDES FOR AMPLIFICATION AND DETECTION OF HEMOCHROMATOSIS GENES**  
[54] **OLIGONUCLEOTIDES POUR L'AMPLIFICATION ET LA DETECTION DE GENES DE L'HEMOCHROMATOSE**  
[72] DEAN, CHERYL H., US  
[72] SPARGO, CATHERINE A., US  
[72] NADEAU, JAMES G., US  
[72] GARIC-STANKOVIC, ANA, US  
[72] SCOTT, PATRICIA B., US  
[71] BECTON, DICKINSON AND COMPANY, US  
[22] 2000-04-14  
[43] 2000-12-17  
[30] US (09/335,217) 1999-06-17

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[21] **2,306,055**  
[13] A1

[51] **Int.Cl. 7C12Q 1/68 7C07H 21/00 7C12P 19/34**  
[25] EN  
[54] **METHODS AND OLIGONUCLEOTIDES FOR DETECTING NUCLEIC ACID SEQUENCE VARIATIONS**  
[54] **METHODES ET OLIGONUCLEOTIDES PERMETTANT DE DETECTER LES DIFFERENCES DES SEQUENCES D'ACIDES NUCLEIQUES**  
[72] WALKER, G. TERRANCE, US  
[72] MILLA, MARIA A., US  
[72] NADEAU, JAMES G., US  
[72] WRIGHT, DAVID J., US  
[71] BECTON, DICKINSON AND COMPANY, US  
[22] 2000-04-19  
[43] 2000-12-17  
[30] US (09/335,218) 1999-06-17

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[21] **2,303,749**  
[13] A1

[51] **Int.Cl. 7A23G 3/00**  
[25] EN  
[54] **METHOD FOR MAKING MOULDED CONFECTIONERY PRODUCTS**  
[54] **METHODE POUR LA PREPARATION DE PRODUITS DE CONFISERIE MOULES**  
[72] NELSON, DAVID HOWARD, GB  
[72] NELSON, ROY B., GB  
[71] SOCIETE DES PRODUITS NESTLE S.A., CH  
[22] 2000-04-06  
[43] 2000-12-22  
[30] EP (99202001.6) 1999-06-22

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[21] **2,305,918**  
[13] A1

[51] **Int.Cl. 7F16K 17/04**  
[25] EN  
[54] **PRESSURE LIMITING VALVE**  
[54] **VALVE LIMITANT LA PRESSION**  
[72] MUTTER, HEINZ, CH  
[71] MASCHINENFABRIK SULZER-BURCKHARDT AG, CH  
[22] 2000-04-17  
[43] 2000-12-18  
[30] EP (99810545.6) 1999-06-18

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[21] **2,306,603**  
[13] A1

[51] **Int.Cl. 7B60D 1/24 7B60D 1/145**  
[25] EN  
[54] **TRAILER TONGUE JACKKNIFE BLOCKING DEVICE**  
[54] **DISPOSITIF DE BLOCAGE A LAME ANTI-SOUBRESAUTS POUR FOURCHE DE REMORQUE**  
[72] DUDLEY, ROBERT, US  
[71] U-HAUL INTERNATIONAL, INC., US  
[22] 2000-04-25  
[43] 2000-12-17  
[30] US (09/335,027) 1999-06-17

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[21] **2,306,679**  
[13] A1

[51] **Int.Cl. 7H04N 5/21 7H04N 5/911**  
[25] EN  
[54] **A VIDEO SIGNAL NOISE REDUCTION APPARATUS, A METHOD OF REDUCING A NOISE IN A VIDEO SIGNAL, AND A RECORDING MEDIUM STORING A PROGRAM OF THE METHOD**  
[54] **APPAREIL DE REDUCTION DE BRUIT DE SIGNAL VIDEO, METHODE DE REDUCTION DU BRUIT DE SIGNAL VIDEO ET SUPPORT D'ENREGISTREMENT DE CES SIGNAUX VIDEO**  
[72] KASAHARA, MISA, JP  
[71] MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., JP  
[22] 2000-04-26  
[43] 2000-12-17  
[30] JP (11-171586) 1999-06-17

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[21] **2,307,169**  
[13] A1

[51] **Int.Cl. 7A47J 43/00**  
[25] EN  
[54] **ICE CREAM CONE HOLDER AND DRIP COLLECTOR DEVICE**  
[54] **SUPPORT ET RAMASSE-GOUTTES POUR CORNETS DE CREME GLACEE**  
[72] RODMAN, DAVID L., US  
[71] RODMAN, DAVID L., US  
[22] 2000-04-27  
[43] 2000-12-22  
[30] US (09/337,838) 1999-06-22

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[21] **2,307,269**  
[13] A1

[51] **Int.Cl. 7H04L 12/16 7H04L 12/14**  
[25] EN  
[54] **METHOD AND APPARATUS FOR PROVIDING REDUCED COST ONLINE SERVICE AND ADAPTIVE TARGETING OF ADVERTISEMENTS**  
[54] **METHODE ET APPAREIL DE FOURNITURE DE SERVICE A COUT REDUIT EN LIGNE ET DE CIBLAGE ADAPTATIF DE LA PUBLICITE**  
[72] RODRIGUEZ, HERMAN, US  
[72] BERSTIS, VIKTORS, US  
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
[22] 2000-05-01  
[43] 2000-12-17  
[30] US (09/335,287) 1999-06-17

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[21] **2,307,356**  
[13] A1

[51] **Int.Cl. 7G06T 15/50 7G06T 11/40**  
[25] EN  
[54] **TEXTURING APPARATUS AND METHOD THEREFOR**  
[54] **DISPOSITIF ET METHODE DE TEXTURATION**  
[72] BROKENSHIRE, DANIEL ALAN, US  
[72] DESCHENEAUX, ROGER PAUL, US  
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
[22] 2000-05-01  
[43] 2000-12-17  
[30] US (09/335,296) 1999-06-17

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[21] **2,307,534**  
[13] A1

[51] **Int.Cl. 7H04L 9/32 7G06F 7/04**  
[25] EN  
[54] **CONTENT DATA JUDGING APPARATUS**  
[54] **APPAREIL D'EVALUATION DE DONNEES DE CONTENU**  
[72] TOYOKAWA, KAZUHARU, JP  
[72] MORIMOTO, NORISHIGE, JP  
[72] TONEGAWA, SATOKO, JP  
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
[22] 2000-05-04  
[43] 2000-12-22  
[30] JP (11-176094) 1999-06-22

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[21] **2,307,937**  
[13] A1

[51] **Int.Cl. 7A45D 8/00**  
[25] EN  
[54] **METHOD OF TAPING AND CUTTING HAIR**  
[54] **METHODE DE RUBANAGE ET DE COUPE DE CHEVEUX**  
[72] DENEBEIM, SABRINA R., US  
[71] DENEBEIM, SABRINA R., US  
[22] 2000-05-09  
[43] 2000-12-18  
[30] US (09/336,647) 1999-06-18

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[21] **2,307,957**  
[13] A1

[51] **Int.Cl. 7C22B 3/08 7C22B 11/00**  
[25] EN  
[54] **A METHOD FOR TOTAL PRECIPITATION OF VALUABLE METALS FROM AN ACID LEACHING SOLUTION**  
[54] **METHODE DE PRECIPITATION GLOBALE DE METAUX UTILES DANS UNE SOLUTION DE LIXIVIATION ACIDE**  
[72] SUNDKVIST, JAN-ERIC, SE  
[71] BOLIDEN MINERAL AB, SE  
[22] 2000-05-09  
[43] 2000-12-17  
[30] SE (9902289-9) 1999-06-17

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[21] **2,308,214**  
[13] A1

[51] **Int.Cl. 7B32B 27/04 7B05D 5/00 7B32B 31/20**  
[25] EN  
[54] **COATED PRESSING SURFACES FOR ABRASION RESISTANT LAMINATE AND MAKING LAMINATES THEREFROM**  
[54] **SURFACES DE PRESSAGE REVETUES RESISTANT A L'ABRASION POUR LA PRODUCTION DE STRATIFIES ET STRATIFIES AINSI FABRIQUES**  
[72] OLIVER, JAY T., US  
[72] MA, MUYUAN M., US  
[71] PREMARK RWP HOLDINGS, INC., US  
[22] 2000-05-12  
[43] 2000-12-22  
[30] US (09/337,768) 1999-06-22

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[21] **2,308,280**  
[13] A1

[51] **Int.Cl. 7H04L 12/16 7G06F 17/30 7G06F 17/60**  
[25] EN  
[54] **SYSTEM AND METHOD FOR CAPACITY SHAPING IN AN INTERNET ENVIRONMENT**  
[54] **SYSTEME ET METHODE DE CONFIGURATION DE LA CAPACITE DANS UN CADRE D'EXPLOITATION INTERNET**  
[72] LUMELSKY, LEON L., US  
[72] MANOHAR, NELSON R., US  
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
[22] 2000-05-10  
[43] 2000-12-17  
[30] US (09/335,273) 1999-06-17

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[21] **2,308,282**  
[13] A1  
[51] **Int.Cl. 7H04L 12/16 7H04L 12/24 7G06F 17/60**  
[25] EN  
[54] **SYSTEM AND METHOD FOR INTEGRATED LOAD-DISTRIBUTION AND RESOURCE MANAGEMENT ON INTERNET ENVIRONMENT**  
[54] **SYSTEME ET METHODE D'INTEGRATION DE LA DISTRIBUTION DE LA CHARGE ET DE LA GESTION DES RESSOURCES DANS UN CADRE D'EXPLOITATION INTERNET**  
[72] LUMELSKY, LEON L., US  
[72] MANOHAR, NELSON R., US  
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
[22] 2000-05-10  
[43] 2000-12-17  
[30] US (09/335,272) 1999-06-17

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[21] **2,308,554**  
[13] A1  
[51] **Int.Cl. 7C10L 1/26**  
[25] EN  
[54] **PHOSPHORYLATED THERMAL STABILITY ADDITIVES FOR DISTILLATE FUELS**  
[54] **ADDITIFS PHOSPHORYLES POUR AUGMENTER LA STABILITE THERMIQUE DE MAZOUTS LEGERS**  
[72] SCHWAB, SCOTT D., US  
[71] ETHYL CORPORATION, US  
[22] 2000-05-16  
[43] 2000-12-22  
[30] US (09/338,672) 1999-06-22

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[21] **2,308,611**  
[13] A1  
[51] **Int.Cl. 7B65H 35/08 7B31F 1/10**  
[25] EN  
[54] **A METHOD OF CUTTING/ SCORING ADJACENT FLAT ELEMENTS AND SYSTEM FOR PERFORMING THE METHOD**  
[54] **METHODE DE COUPE/TRACAGE D'ELEMENTS PLATS ADJACENTS ET SYSTEME POUR UTILISATION DE CETTE METHODE**  
[72] BOREL, EDOUARD, CH  
[71] BOBST S.A., CH  
[22] 2000-05-16  
[43] 2000-12-18  
[30] CH (1142/99) 1999-06-18

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[21] **2,308,669**  
[13] A1  
[51] **Int.Cl. 7B60R 19/42 7B60J 5/00 7B60J 5/04**  
[25] EN  
[54] **VEHICLE DOOR BEAM**  
[54] **RENFORT DE PORTE DE VEHICULE**  
[72] HEATHERINGTON, DAVID W., US  
[72] STURRUS, PETER, US  
[72] LEWIS, LES, US  
[71] SHAPE CORPORATION, US  
[22] 2000-05-17  
[43] 2000-12-23  
[30] US (09/338,113) 1999-06-23

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[21] **2,308,674**  
[13] A1  
[51] **Int.Cl. 7H04B 1/10 7H04B 15/00 7H03M 1/08 7H03G 3/20**  
[25] EN  
[54] **ANALOG GAIN CONTROL ADJUSTMENT USING A PROBABILISTIC ALGORITHM**  
[54] **REGLAGE DE COMMANDE DE GAIN ANALOGUE A L'AIDE D'UN ALGORITHME PROBABILISTE**  
[72] PAKRAVAN, MOHAMMED REZA, CA  
[72] HARRIS, GWENDOLYN KATE, CA  
[71] NORTEL NETWORKS CORPORATION, CA  
[22] 2000-05-17  
[43] 2000-12-18  
[30] US (09/335,836) 1999-06-18

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[21] **2,308,683**  
[13] A1  
[51] **Int.Cl. 7H04J 14/06 7H04J 14/08**  
[25] EN  
[54] **MICRO-OPTIC DELAY ELEMENT FOR USE IN A POLARIZATION MULTIPLEXED SYSTEM**  
[54] **ELEMENT MICRO-OPTIQUE A RETARD POUR USAGE DANS UN SYSTEME DE MULTIPLEXAGE PAR POLARISATION**  
[72] CHENG, YIHAO, CA  
[72] FARRIES, MARK, CA  
[71] JDS UNIPHASE INC., CA  
[22] 2000-05-17  
[43] 2000-12-23  
[30] US (09/342,154) 1999-06-23

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[21] **2,308,921**  
[13] A1  
[51] **Int.Cl. 7C09D 5/46 7C23C 4/10**  
[25] EN  
[54] **THERMAL SPRAY POWDER OF DICALCIUM SILICATE AND COATING THEREOF AND MANUFACTURE THEREOF**  
[54] **POUDRE DE SILICATE DICALCIQUE OBTENUE PAR PULVERISATION THERMIQUE, REVETEMENT COMPOSE DE CETTE POUDRE ET FABRICATION DE CETTE POUDRE**  
[72] PETERS, JOHN, CH  
[72] JANSEN, FRANZ, CH  
[72] CORREA, LUIS F., US  
[72] WEI, XIAOHAN, US  
[72] DORFMAN, MITCHELL R., US  
[71] SULZER METCO (US) INC., US  
[22] 2000-05-18  
[43] 2000-12-23  
[30] US (09/338,615) 1999-06-23

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[21] **2,308,936**  
[13] A1  
[51] **Int.Cl. 7B65G 23/44 7B65G 19/18**  
[25] EN  
[54] **CHAIN TENSION ADJUSTMENT DEVICE AND CHIP TREATMENT DEVICE EQUIPPED WITH CHAIN TENSION ADJUSTMENT DEVICE**  
[54] **DISPOSITIF DE REGLAGE DE TENSION DE CHAINE ET DISPOSITIF DE TRAITEMENT DE COPEAUX EQUIPE D'UN DISPOSITIF DE REGLAGE DE TENSION DE CHAINE**  
[72] TASHIRO, MINORU, JP  
[72] TASHIRO, MAKOTO, JP  
[71] BUNRI INDUSTRIES, LTD., JP  
[22] 2000-05-18  
[43] 2000-12-18  
[30] JP (H11-172346) 1999-06-18

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[21] **2,308,949**  
[13] A1

[51] **Int.Cl. 7H04L 12/56 7H04Q 11/00**  
[25] EN  
[54] **METHOD, DEVICES AND SIGNALS FOR MULTIPLEXING PAYLOAD DATA FOR TRANSPORT IN A DATA NETWORK**  
[54] **METHODES, DISPOSITIFS ET SIGNAUX DE MULTIPLEXAGE DE DONNEES UTILES POUR TRANSPORT PAR RESEAU DE DONNEES**  
[72] LUO, GANG, CA  
[72] GIESE, PETER A., CA  
[72] DAVIDSON, PAUL G., CA  
[71] NORTEL NETWORKS CORPORATION, CA  
[22] 2000-05-19  
[43] 2000-12-23  
[30] US (09/338,531) 1999-06-23

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[21] **2,308,954**  
[13] A1

[51] **Int.Cl. 7H04L 12/24 7H04L 12/16 7H04L 12/26**  
[25] EN  
[54] **METHOD AND SYSTEM FOR CONFIGURING A PUBLICLY ACCESSIBLE COMPUTER SYSTEM**  
[54] **METHODE ET SYSTEME DE CONFIGURATION D'UN SYSTEME INFORMATIQUE PUBLIC**  
[72] GONZALO, STEVEN M., US  
[71] UNIONDATA CORPORATION, US  
[22] 2000-05-19  
[43] 2000-12-18  
[30] US (09/336,355) 1999-06-18  
[30] US (09/399,415) 1999-09-20

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[21] **2,308,964**  
[13] A1

[51] **Int.Cl. 7G07F 17/32 7A63F 13/00 7G07F 17/34**  
[25] EN  
[54] **GAMING MACHINE WITH MULTIPLE PAYOFF MODES AND AWARD PRESENTATION SCHEMES**  
[54] **APPAREIL DE JEU DE HASARD AVEC MODES DE GAINS ET DISPOSITIFS DE PRESENTATION DE PRIX MULTIPLES**  
[72] JAFFE, JOEL R., US  
[72] YUEN, STEPHEN, US  
[71] WMS GAMING INC., US  
[22] 2000-05-19  
[43] 2000-12-23  
[30] US (09/339,286) 1999-06-23

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[21] **2,308,980**  
[13] A1

[51] **Int.Cl. 7A01M 31/00 7B66D 3/00 7B65G 7/00**  
[25] EN  
[54] **GAME DRAG AND METHOD**  
[54] **DISPOSITIF POUR TIRER LE GIBIER ET METHODE CONNEXE**  
[72] BOWERMAN, RAYMOND, US  
[71] BOWERMAN, RAYMOND, US  
[22] 2000-05-19  
[43] 2000-12-18  
[30] US (09/335,964) 1999-06-18

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[21] **2,309,098**  
[13] A1

[51] **Int.Cl. 7C08K 5/548**  
[25] EN  
[54] **SILICA REINFORCED RUBBER COMPOSITION AND USE IN TIRES**  
[54] **COMPOSITION DE CAOUTCHOUC RENFORCEE DE SILICE ET UTILISATION DANS LES PNEUS**  
[72] KAYSER, FRANCOIS, LU  
[72] MATERNE, THIERRY FLORENT EDME, US  
[71] THE GOODYEAR TIRE & RUBBER COMPANY, US  
[22] 2000-05-23  
[43] 2000-12-18  
[30] US (09/336,410) 1999-06-18

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[21] **2,309,225**  
[13] A1

[51] **Int.Cl. 7C22B 11/00 7C22B 3/08**  
[25] EN  
[54] **A METHOD FOR RECOVERING THE VALUABLE METAL CONTENT OF A SULPHURIC ACID LEACHING SOLUTION**  
[54] **UNE METHODE POUR RECUPERER LES METAUX INTERESSANTS D'UNE SOLUTION DE LIXIVIATION D'ACIDE SULFURIQUE**  
[72] SUNDKVIST, JAN-ERIC, SE  
[71] BOLIDEN MINERAL AB, SE  
[22] 2000-05-24  
[43] 2000-12-22  
[30] SE (9902366-5) 1999-06-22

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[21] **2,309,482**  
[13] A1

[51] **Int.Cl. 7C10G 15/12**  
[25] EN  
[54] **DIELECTRIC BARRIER DISCHARGE CRACKING**  
[54] **CRAQUAGE PAR DECHARGE PAR BARRIERE DIELECTRIQUE**  
[72] LIU, CHANG-JUN, CN  
[72] ELIASSON, BALDUR, CH  
[71] ABB RESEARCH LTD., CH  
[22] 2000-05-26  
[43] 2000-12-17  
[30] EP (99810532.4) 1999-06-17

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[21] **2,310,279**  
[13] A1

[51] **Int.Cl. 7B60H 1/00 7F24F 11/00**  
[25] EN  
[54] **AUTO VENTILATION SYSTEM FOR VEHICLES AND CONTROL METHOD THEREOF**  
[54] **SYSTEME D'AUTOVENTILATION POUR VEHICULES, ET MODE DE COMMANDE**  
[72] HAM, CHUN SIK, KR  
[71] HAM, CHUN SIK, KR  
[22] 2000-05-30  
[43] 2000-12-17  
[30] KR (1999-22646) 1999-06-17

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[21] **2,310,494**  
[13] A1

[51] **Int.Cl. 7B60R 19/02 7B60R 19/24**  
[25] EN  
[54] **COMPOSITE BUMPER CONSTRUCTION**  
[54] **PARE-CHOC COMPOSITE**  
[72] LUPONE, JAMES, US  
[72] HEATHERINGTON, DAVID W., US  
[72] LEWIS, LESLIE A., US  
[71] SHAPE CORPORATION, US  
[22] 2000-05-29  
[43] 2000-12-21  
[30] US (09/337,072) 1999-06-21

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[21] **2,310,558**  
[13] A1

[51] **Int.Cl. 7A61M 1/00**  
[25] EN  
[54] **SELF-CLEANSING BLADDER DRAINAGE DEVICE**  
[54] **DISPOSITIF DE DRAINAGE VESICAL AUTONETTOYANT**  
[72] TIHON, CLAUDE, US  
[71] CONTICARE MEDICAL, INC., US  
[22] 2000-06-01  
[43] 2000-12-22  
[30] US (09/313,083) 1999-06-22

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[21] **2,310,690**  
[13] A1

[51] **Int.Cl. 7H01Q 13/08 7H01Q 21/00**  
[25] EN  
[54] **DOUBLE SHOT ARRAY ANTENNA**  
[54] **ANTENNE RESEAU A DOUBLES PAIRES DE FENTES**  
[72] RULF, BENJAMIN, US  
[72] TSAI, MING-JU, US  
[71] LUCENT TECHNOLOGIES INC., US  
[22] 2000-06-06  
[43] 2000-12-17  
[30] US (09/335,330) 1999-06-17

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[21] **2,310,706**  
[13] A1

[51] **Int.Cl. 7G11B 7/0037**  
[25] EN  
[54] **OPTICAL RECORDING MEDIUM AND DISC CARTRIDGE**  
[54] **SUPPORT D'ENREGISTREMENT OPTIQUE ET CARTOUCHE DISQUE**  
[72] WATANABE, TETSU, JP  
[72] FUJIE, KAZUHIKO, JP  
[72] MAEDA, YASUAKI, JP  
[72] AOKI, YOSHITAKA, JP  
[72] KAERIYAMA, TAKUYA, JP  
[72] NETSU, NAOHIRO, JP  
[71] SONY CORPORATION, JP  
[22] 2000-06-06  
[43] 2000-12-22  
[30] JP (P11-176029) 1999-06-22

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[21] **2,310,720**  
[13] A1

[51] **Int.Cl. 7G02B 6/25**  
[25] EN  
[54] **SYSTEM COMPRISING PLASTIC OPTICAL FIBER**  
[54] **SYSTEME DE FIBRES OPTIQUES DE PLASTIQUE**  
[72] BLYLER, LEE L., JR., US  
[72] SHEVCHUK, GEORGE JOHN, US  
[72] WHITE, WHITNEY, US  
[71] LUCENT TECHNOLOGIES INC., US  
[22] 2000-06-06  
[43] 2000-12-17  
[30] US (60/139,614) 1999-06-17  
[30] US (09/349,191) 1999-07-07

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[21] **2,310,784**  
[13] A1

[51] **Int.Cl. 7B60R 13/01**  
[25] EN  
[54] **LINER FOR A WORK MACHINE BODY AND METHOD FOR MANUFACTURING THE SAME**  
[54] **DOUBLURE POUR CARROSSERIE DE VEHICULE DE TRAVAUX LOURDS ET METHODE DE FABRICATION**  
[72] MOUTREY, THEODORE A., US  
[72] BURG, WILLIAM L., US  
[72] THAIS, JAMES W., US  
[72] HOOK, LAYNE E., US  
[71] CATERPILLAR INC., US  
[22] 2000-06-06  
[43] 2000-12-17  
[30] US (09/335,354) 1999-06-17

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[21] **2,310,840**  
[13] A1

[51] **Int.Cl. 7E04C 5/18**  
[25] EN  
[54] **DEVICE FOR THE TRANSFER OF LOADS FROM FLOORS TO COLUMNS**  
[54] **DISPOSITIF POUR PLACER DES PLANCHERS EN BETON SUR DES COLONNES**  
[72] HORTON, BRIAN, GB  
[71] HORTON, BRIAN, GB  
[22] 2000-06-07  
[43] 2000-12-17  
[30] GB (9913994.1) 1999-06-17

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[21] **2,310,862**  
[13] A1

[51] **Int.Cl. 7F16B 7/04 7E01F 9/03**  
[25] EN  
[54] **BRACKET ASSEMBLY WITH SPLIT CLAMP MEMBER**  
[54] **CONSOLE A ELEMENT DE SERRAGE BI-COQUE**  
[72] PARDUHN, A. PHILIP, US  
[71] PARDUHN, A. PHILIP, US  
[22] 2000-06-02  
[43] 2000-12-23  
[30] US (09/338,910) 1999-06-23

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[21] **2,310,874**  
[13] A1

[51] **Int.Cl. 7G06K 9/66**  
[25] EN  
[54] **AUTOMATIC RECOGNITION OF CHARACTERS ON STRUCTURED BACKGROUND BY COMBINATION OF THE MODELS OF THE BACKGROUND AND OF THE CHARACTERS**  
[54] **RECONNAISSANCE AUTOMATIQUE DE CARACTERES SUR FOND STRUCTURE GRACE A LA COMBINAISON DES MODELES DU FOND ET DES CARACTERES**  
[72] STRINGA, LUIGI, MC  
[71] DE LA RUE GIORI S.A., CH  
[22] 2000-06-06  
[43] 2000-12-21  
[30] MC (2427.99.2491) 1999-06-21

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[21] **2,310,911**  
[13] A1

[51] **Int.Cl. 7H04L 12/16 7H04M 11/06 7H04L 12/66**  
[25] EN  
[54] **INTERNET PROTOCOL TELEPHONY**  
[54] **TELEPHONIE IP (PROTOCOLE INTERNET)**  
[72] LEE, CHINMEI CHEN, US  
[72] ORSIC, MILO, US  
[72] ULRICH, WERNER, US  
[71] LUCENT TECHNOLOGIES INC., US  
[22] 2000-06-07  
[43] 2000-12-17  
[30] US (09/335,279) 1999-06-17

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**Demandes canadiennes mises à la disponibilité du public**  
**17 décembre 2000 - 23 décembre 2000**

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[21] **2,310,912**  
[13] A1

[51] **Int.Cl. 7G01N 29/00 7G01N 33/12**  
[25] EN  
[54] **ULTRASONIC SEAFOOD PROBE**  
**FRUITS DE MER**  
[72] GUIGNE, JACQUES Y., CA  
[72] QUANSHUN, LIU, CA  
[72] KLEIN, KENNETH, CA  
[72] CAWTHORN, RICHARD, CA  
[71] GUIGNE INTERNATIONAL, LTD., CA  
[22] 2000-06-07  
[43] 2000-12-22  
[30] US (09/338,459) 1999-06-22

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[21] **2,310,979**  
[13] A1

[51] **Int.Cl. 7A61M 1/00 7A61F 9/007**  
[25] EN  
[54] **METHOD OF CONTROLLING THE**  
**OPERATING PARAMETERS OF A**  
**SURGICAL SYSTEM**  
[54] **METHODE DE COMMANDE DES**  
**PARAMETRES D'OPERATION D'UN**  
**SYSTEME CHIRURGICAL**  
[72] MORGAN, MICHAEL D., US  
[72] BOUKHNY, MIKHAIL, US  
[71] ALCON LABORATORIES, INC., US  
[22] 2000-06-07  
[43] 2000-12-18  
[30] US (09/336,230) 1999-06-18

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[21] **2,310,982**  
[13] A1

[51] **Int.Cl. 7H04Q 7/36 7H04L 12/54**  
[25] EN  
[54] **SYSTEM FOR MESSAGE**  
**CONTROL AND REDIRECTION IN A**  
**WIRELESS COMMUNICATIONS**  
**NETWORK**  
[54] **SYSTEME DE COMMANDE ET DE**  
**REACHEMINEMENT DE MESSAGES**  
**DANS UN RESEAU DE**  
**COMMUNICATION SANS FIL**  
[72] RAHMAN, MOHAMED A., US  
[71] LUCENT TECHNOLOGIES INC., US  
[22] 2000-06-07  
[43] 2000-12-21  
[30] US (09/336,756) 1999-06-21

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[21] **2,310,999**  
[13] A1

[51] **Int.Cl. 7H04B 1/18 7H03H 21/00**  
[25] EN  
[54] **THE BLIND EQUALIZATION**  
**ALGORITHM WITH JOINT USE OF**  
**THE CONSTANT R AND THE SLICED**  
**SYMBOLS**  
[54] **L'ALGORITHME**  
**D'EGALISATION AVEUGLE AVEC**  
**UTILISATION CONJOINTE DE LA**  
**CONSTANTE R ET DES SYMBOLES**  
**TRONQUES**  
[72] WERNER, JEAN-JACQUES, US  
[72] YANG, JIAN, US  
[71] LUCENT TECHNOLOGIES INC., US  
[22] 2000-06-07  
[43] 2000-12-22  
[30] US (09/339,793) 1999-06-22

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[21] **2,311,002**  
[13] A1

[51] **Int.Cl. 7B62D 63/08 7B60D 1/00**  
**7B60P 3/00**  
[25] EN  
[54] **TRAILER TOP RAIL ASSEMBLY**  
**WITH SUPPORT BRACE AND AWNING**  
**MOUNT**  
[54] **LONGERON SUPERIEUR DE**  
**REMORQUE AVEC ENTRETOISE DE**  
**SUPPORT ET FIXATION POUR BANNE**  
[72] McCORMACK, ROBERT B., US  
[71] SOONER TRAILER  
MANUFACTURING CO. INC., US  
[22] 2000-06-08  
[43] 2000-12-22  
[30] US (09/337,923) 1999-06-22

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[21] **2,311,008**  
[13] A1

[51] **Int.Cl. 7H01S 5/10**  
[25] EN  
[54] **SIDE PUMPED Q SWITCHED**  
**MICROLASER AND ASSOCIATED**  
**FABRICATION METHOD**  
[54] **MICROLASER DECLENCHE A**  
**POMPAGE LATERAL ET METHODE**  
**DE FABRICATION CONNEXE**  
[72] PETERSON, BRIAN LEE, US  
[72] BERO, EMIL JOHN, US  
[72] TALENTI, DANIEL PETER, US  
[71] LITTON SYSTEMS, INC., US  
[22] 2000-06-08  
[43] 2000-12-21  
[30] US (09/337,432) 1999-06-21

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[21] **2,311,009**  
[13] A1

[51] **Int.Cl. 7G21F 9/34 7G21F 5/008**  
[25] EN  
[54] **DISPOSAL OF RADIATION**  
**WASTE IN GLACIAL ICE**  
[54] **ELIMINATION DE DECHETS**  
**RADIOACTIFS DANS LA GLACE DE**  
**GLACIER**  
[72] VALFELLS, AGUST, IS  
[71] VALFELLS, AGUST, IS  
[22] 2000-06-08  
[43] 2000-12-23  
[30] US (09/338,827) 1999-06-23

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[21] **2,311,031**  
[13] A1

[51] **Int.Cl. 7H04L 7/06 7H04L 5/02**  
**7H04B 7/216 7H04L 12/44 7H04B 1/69**  
[25] EN  
[54] **TRANSMITTING FACILITY AND**  
**RECEIVING FACILITY FOR A**  
**MULTIPOINT-TO-POINT**  
**SYNCHRONOUS CDMA NETWORK**  
[54] **INSTALLATION D'EMISSION ET**  
**INSTALLATION DE RECEPTION POUR**  
**UN RESEAU CDMA SYNCHRONE**  
**POINT A MULTIPOINT**  
[72] PELOUS, MARC, DE  
[72] ENSSLE, JURGEN, DE  
[71] ALCATEL, FR  
[22] 2000-06-08  
[43] 2000-12-18  
[30] DE (199 28 019.3) 1999-06-18

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[21] **2,311,034**  
[13] A1

[51] **Int.Cl. 7C07C 1/04 7C07C 9/15**  
[25] EN  
[54] **IMPROVED FISCHER-TROPSCH**  
**PROCESS**  
[54] **PROCEDE FISHER-TROPSCH**  
**AMELIORE**  
[72] FERSCHNEIDER, GILLES, FR  
[72] PICCOLO, VINCENZO, IT  
[72] MARETTO, CRISTINA, IT  
[72] VIGUIE, JEAN-CHRISTOPHE, FR  
[71] ENITECNOLOGIE S.P.A, IT  
[71] ENI S.P.A., IT  
[71] AGIP PETROLI S.P.A., IT  
[71] INSTITUT FRANCAIS DU PETROLE,  
FR  
[22] 2000-06-12  
[43] 2000-12-17  
[30] IT (MI99A 001348) 1999-06-17

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December 17, 2000 - December 23, 2000

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[21] **2,311,047**  
[13] A1  
[51] **Int.Cl. 7C01B 25/14 7C01B 25/10**  
[25] EN  
[54] **AN IMPROVED PROCESS FOR THE MANUFACTURE OF THIOPHOSPHORYL CHLORIDE**  
[54] **SYNTHESE AMELIOREE POUR LA PRODUCTION DE CHLORURE DE THIOPHOSPHORYLE**  
[72] APPLGATE, JACQUELINE M., DE  
[72] NEWALLIS, PETER E., DE  
[71] BAYER CORPORATION, US  
[22] 2000-06-12  
[43] 2000-12-21  
[30] US (09/337,088) 1999-06-21

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[21] **2,311,054**  
[13] A1  
[51] **Int.Cl. 7E05F 1/12**  
[25] EN  
[54] **BALANCED DOOR CLOSING APPARATUS**  
[54] **FERME-PORTE EQUILIBRE**  
[72] BENSON, BRADLEY J., US  
[72] BENSON, JEFFREY P., US  
[71] LAKESIDE INDUSTRIES, INC., US  
[71] DAWSON METAL COMPANY INCORPORATED, US  
[22] 2000-06-08  
[43] 2000-12-21  
[30] US (09/337,442) 1999-06-21

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[21] **2,311,064**  
[13] A1  
[51] **Int.Cl. 7C07C 39/215 7C07C 69/017 7C07F 7/08 7C07C 43/215 7C07C 43/23 7C07C 69/24 7C07C 39/373 7C07F 9/50 7C07C 309/65 7C07C 63/66 7C07C 69/76**  
[25] EN  
[54] **SUBSTITUTED TETRAARYLETHYLENE COMPOUNDS**  
[54] **COMPOSES SUBSTITUES DE TETRAARYLETHYLENE**  
[72] VERKERK, UDO HENDRICK, CA  
[72] FUJITA, MEGUMI, CA  
[72] YASUDA, MAKOTO, CA  
[72] STRYKER, JEFFREY MARK, CA  
[71] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA  
[22] 2000-06-08  
[43] 2000-12-18  
[30] US (09/336,388) 1999-06-18

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[21] **2,311,066**  
[13] A1  
[51] **Int.Cl. 7F16D 65/22 7B60T 13/26 7F16D 65/28**  
[25] EN  
[54] **AIR BRAKES FOR TRUCKS**  
[54] **FREINS PNEUMATIQUES POUR CAMIONS**  
[72] HUNTER, MARC, CA  
[71] HUNTER, MARC, CA  
[22] 2000-06-08  
[43] 2000-12-17  
[30] US (09/335,147) 1999-06-17

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[21] **2,311,069**  
[13] A1  
[51] **Int.Cl. 7G05F 1/46**  
[25] EN  
[54] **REFERENCE VOLTAGE GENERATOR WITH MONITORING AND START UP MEANS**  
[54] **GENERATEUR DE TENSION DE REFERENCE AVEC OUTILS DE SURVEILLANCE ET D'ACTIVATION**  
[72] WOUTERS, PATRICK AUGUST MARIA, BE  
[72] DUPEYRON, DENIS, BE  
[71] ALCATEL, FR  
[22] 2000-06-09  
[43] 2000-12-22  
[30] EP (99401555.0) 1999-06-22

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[21] **2,311,076**  
[13] A1  
[51] **Int.Cl. 7G06T 7/20 7H04N 7/18 7H04N 7/26 7H04N 5/911**  
[25] EN  
[54] **A MOTION DETECTION CIRCUIT AND A NOISE SUPPRESSION CIRCUIT INCLUDING THE SAME**  
[54] **CIRCUIT DE DETECTION DES MOUVEMENTS ET CIRCUIT DE SUPPRESSION DE BRUITS COMPRENANT LEDIT CIRCUIT**  
[72] SANO, TOSHIYUKI, JP  
[72] KASAHARA, MISA, JP  
[72] FUJITA, YUKIO, JP  
[72] TOYODA, KEIJI, JP  
[72] KATO, NORIYOSHI, JP  
[71] MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., JP  
[22] 2000-06-09  
[43] 2000-12-21  
[30] JP (11-173821) 1999-06-21

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[21] **2,311,107**  
[13] A1  
[51] **Int.Cl. 7A21C 11/24 7A23L 1/16**  
[25] EN  
[54] **MOULD AND MACHINE FOR THE PRODUCTION OF FILLED PASTA, IN PARTICULAR FOR RAVIOLI AND THE LIKE**  
[54] **MOULE ET MACHINE POUR LA PRODUCTION DE PATES FARCIES, EN PARTICULIER DE RAVIOLI ET DE PATES SEMBLABLES**  
[72] PORCARI, GABRIELE, IT  
[71] PORCARI, GABRIELE, IT  
[22] 2000-06-08  
[43] 2000-12-17  
[30] IT (PC 99 U 000011) 1999-06-17

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[21] **2,311,111**  
[13] A1  
[51] **Int.Cl. 7H04Q 7/36 7H04Q 7/34**  
[25] EN  
[54] **A METHOD OF REDUCING RESOURCE ASSIGNMENT OVERHEAD IN WIRELESS COMMUNICATION SYSTEMS**  
[54] **METHODE POUR REDUIRE LE TEMPS SYSTEME D'ASSIGNATION DES RESSOURCES DANS LES RESEAUX DE COMMUNICATION SANS FIL**  
[72] PATEL, TEJASKUMAR R., US  
[72] KIANG, T. ROGER, US  
[72] RAMAKRISHNA, SUDHIR, US  
[71] LUCENT TECHNOLOGIES INC., US  
[22] 2000-06-08  
[43] 2000-12-21  
[30] US (09/336,921) 1999-06-21

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[21] **2,311,114**  
[13] A1  
[51] **Int.Cl. 7H04L 29/06 7H04L 12/56**  
[25] EN  
[54] **QUALITY OF SERVICE (QOS) ENHANCEMENT TO MULTILINK POINT-TO-POINT PROTOCOL (PPP)**  
[54] **AMELIORATION DE QUALITE DE SERVICE (QDS) DE PROTOCOLE MULTILIAISON POINT A POINT (PPP)**  
[72] HERNANDEZ-VALENCIA, ENRIQUE, US  
[72] CHUAH, MOOI CHOO, US  
[71] LUCENT TECHNOLOGIES INC., US  
[22] 2000-06-08  
[43] 2000-12-22  
[30] US (09/337,987) 1999-06-22

**Demandes canadiennes mises à la disponibilité du public**  
**17 décembre 2000 - 23 décembre 2000**

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[21] **2,311,172**  
[13] A1

[51] **Int.Cl. 7C21D 8/04**  
[25] FR  
[54] **PROCEDE DE FABRICATION DE TOLES APTES A L'EMBOUTISSAGE PAR COULEE DIRECTE DE BANDES MINCES, ET TOLES AINSI OBTENUES**  
[54] **PROCEDURE FOR MANUFACTURING SHEETS DESIGNED FOR PRESSING BY DIRECT POURING OF THIN BANDS, AND SHEETS PRODUCED BY SAID PROCEDURE**  
[72] FARAL, MICHEL, FR  
[72] BABBIT, MICHEL, FR  
[72] REGLE, HELENE, FR  
[72] JUCKUM, CATHERINE, FR  
[71] SOLLAC, FR  
[22] 2000-06-06  
[43] 2000-12-17  
[30] FR (99/07660) 1999-06-17

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[21] **2,311,213**  
[13] A1

[51] **Int.Cl. 7F02B 29/04 7F28F 9/04 7F02M 31/20 7B23P 15/26**  
[25] EN  
[54] **CHARGE AIR COOLER AND METHOD OF MAKING THE SAME**  
[54] **REFROIDISSEUR D'AIR DE SURALIMENTATION ET METHODE DE FABRICATION DE CET ARTICLE**  
[72] MERKLEIN, BRIAN A., US  
[72] OLSON, GREGG D., US  
[71] MODINE MANUFACTURING COMPANY, US  
[22] 2000-06-13  
[43] 2000-12-17  
[30] US (09/334,958) 1999-06-17

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[21] **2,311,216**  
[13] A1

[51] **Int.Cl. 7H01R 12/06**  
[25] EN  
[54] **THROUGH MOUNT CONNECTOR WITH ALIGNMENT DEVICE**  
[54] **CONNECTEUR A MONTAGE TRANSVERSAL AVEC DISPOSITIF D'ALIGNEMENT**  
[72] JOHNSCU, DOUGLAS M., US  
[72] COWLEY, SIMON S., US  
[71] BERG TECHNOLOGY, INC., US  
[22] 2000-06-13  
[43] 2000-12-18  
[30] US (09/336,000) 1999-06-18

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[21] **2,311,218**  
[13] A1

[51] **Int.Cl. 7A01K 1/015**  
[25] EN  
[54] **LITTER FOR ANIMALS AND METHOD FOR PRODUCING SUCH LITTER**  
[54] **LITIERE POUR ANIMAUX ET METHODE DE FABRICATION**  
[72] WODY, KLAUS, DE  
[72] GAESE, DAGMAR, DE  
[72] SCHILLING, ERHARD, DE  
[71] RAIFFEISEN-WAREN-ZENTRALE RHEIN-MAIN EG, DE  
[22] 2000-06-09  
[43] 2000-12-17  
[30] EP (99 111 707.8) 1999-06-17

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[21] **2,311,234**  
[13] A1

[51] **Int.Cl. 7A47C 4/48 7A47C 3/04**  
[25] EN  
[54] **STACKABLE CHAIR**  
[54] **CHAISE EMPILABLE**  
[72] AMBASZ, EMILIO, AR  
[71] CENTER FOR DESIGN RESEARCH AND DEVELOPMENT N.V., NL  
[22] 2000-06-09  
[43] 2000-12-18  
[30] US (60/140,041) 1999-06-18

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[21] **2,311,236**  
[13] A1

[51] **Int.Cl. 7G21F 5/008 7G21F 5/012**  
[25] EN  
[54] **TRANSPORT AND/OR STORAGE CONTAINERS FOR RADIOACTIVE HEAT-EVOLVING ELEMENTS**  
[54] **CONTENEURS DE TRANSPORT ET/OU DE STOCKAGE POUR ELEMENTS RADIOACTIFS DEGAGEANT DE LA CHALEUR**  
[72] GLUSCHKE, KONRAD, DE  
[72] METHLING, DIETER, DE  
[72] DIERSCH, RUDOLF, DE  
[72] HEIDENREICH, JOACHIM, DE  
[71] GNB GESELLSCHAFT FUR NUKLEAR-BEHALTER MBH, DE  
[22] 2000-06-12  
[43] 2000-12-19  
[30] EP (99 111 839.9) 1999-06-19

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[21] **2,311,256**  
[13] A1

[51] **Int.Cl. 7E21B 33/035**  
[25] FR  
[54] **PLATE-FORME TETE DE PUIITS POUR L'EXPLOITATION DE CHAMPS PETROLIERS EN MER EN ZONE ARCTIQUE**  
[54] **WELLHEAD PLATFORM FOR THE OPERATION OF ARCTIC OIL FIELDS**  
[72] PEPIN LEHALLEUR, JEAN FRANCOIS MARIE, FR  
[72] BERTHIN, JEAN-CLAUDE ANDRE, FR  
[71] DORIS ENGINEERING, FR  
[22] 2000-06-06  
[43] 2000-12-18  
[30] FR (99 07759) 1999-06-18

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[21] **2,311,277**  
[13] A1

[51] **Int.Cl. 7A61K 7/13**  
[25] FR  
[54] **COMPOSITION DE TEINTURE D'OXYDATION DES FIBRES KERATINIQUES ET PROCEDE DE TEINTURE METTANT EN OEUVRE CETTE COMPOSITION**  
[54] **COMPOSITION FOR OXIDATION DYEING OF KERATIN FIBRES AND DYEING PROCESS USING THIS COMPOSITION**  
[72] PLOS, GREGORY, FR  
[72] LAGRANGE, ALAIN, FR  
[71] L'OREAL, FR  
[22] 2000-06-09  
[43] 2000-12-21  
[30] FR (99 07 828) 1999-06-21

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[21] **2,311,345**  
[13] A1

[51] **Int.Cl. 7A47K 17/00 7A47K 3/12 7E04F 11/18**  
[25] EN  
[54] **SWING-UP GRAB BAR**  
[54] **BARRE D'APPUI BASCULANTE**  
[72] HANNA, EMMANUEL A., US  
[71] BOBRICK WASHROOM EQUIPMENT, INC., US  
[22] 2000-06-13  
[43] 2000-12-18  
[30] US (09/336,034) 1999-06-18

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**Canadian Laid-Open Applications**  
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[21] **2,311,366**  
[13] A1

[51] **Int.Cl. 7G06F 17/60 7H04L 12/16 7G06F 17/30**  
[25] EN  
[54] **METHOD AND DATA PROCESSING SYSTEM FOR MANAGING A MUTUAL FUND BROKERAGE**  
[54] **METHODE ET SYSTEME DE TRAITEMENT DE DONNEES POUR LA GESTION DU COURTAGE EN FONDS MUTUELS**  
[72] LEEMHUIS, ADRIAN S., CA  
[71] LEEMHUIS, ADRIAN S., CA  
[22] 2000-06-13  
[43] 2000-12-18  
[30] US (09/336,225) 1999-06-18

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[21] **2,311,442**  
[13] A1

[51] **Int.Cl. 7C01B 5/00 7A61K 7/48**  
[25] EN  
[54] **WATER WITH HIGH POLARITY**  
[54] **EAU FORTEMENT POLAIRE**  
[72] MATSUSHITA, KAZUHIRO, JP  
[72] HATTORI, TOSHIMITSU, JP  
[71] HATTORI, TOSHIMITSU, JP  
[22] 2000-06-13  
[43] 2000-12-17  
[30] JP (11-171637) 1999-06-17

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[21] **2,311,455**  
[13] A1

[51] **Int.Cl. 7B30B 15/04**  
[25] EN  
[54] **PRESS UNIT**  
[54] **PRESSE**  
[72] HARADA, AKIRA, JP  
[71] KYOEI KOGYO CO., LTD., JP  
[22] 2000-06-12  
[43] 2000-12-18  
[30] JP (11(1999)-172825) 1999-06-18

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[21] **2,311,468**  
[13] A1

[51] **Int.Cl. 7A61M 1/00 7A61M 5/178**  
[25] EN  
[54] **SYRINGE WITH SQUEEZE RELEASE NEEDLE GUARD**  
[54] **SERINGUE AVEC GARDE-AIGUILLE A LIBERATION PAR PRESSION**  
[72] ROBINSON, PHILIP J., US  
[71] OWENS-ILLINOIS CLOSURE INC., US  
[22] 2000-06-12  
[43] 2000-12-21  
[30] US (09/336,936) 1999-06-21

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[21] **2,311,570**  
[13] A1

[51] **Int.Cl. 7F24C 15/20 7F24C 15/32**  
[25] EN  
[54] **HEAT COOKING DEVICE ALLOWING CONTROL OF FAN ROTATION NUMBER**  
[54] **APPAREIL DE CUISSON A COMMANDE DU REGIME DE VENTILATION**  
[72] MURATA, JUNJI, JP  
[72] FUKUDA, YOSHIHITO, JP  
[72] FUKUDA, TAKASHI, JP  
[71] SANYO ELECTRIC CO., LTD., JP  
[22] 2000-06-14  
[43] 2000-12-21  
[30] JP (11-172721) 1999-06-21

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[21] **2,311,575**  
[13] A1

[51] **Int.Cl. 7B22F 5/08 7B22F 3/10**  
[25] EN  
[54] **METHOD FOR PRODUCING GEAR WHEELS FROM BLANKS OBTAINED BY SINTERING METAL POWDERS**  
[54] **METHODE DE FABRICATION DE ROUES D'ENGRENAGE A PARTIR D'EBAUCHES OBTENUES PAR LE FRITTAGE DE POUDRES METALLIQUES**  
[72] DE' STEFANI, VINCENZO, IT  
[71] M.G. MINI GEARS S.P.A., IT  
[22] 2000-06-14  
[43] 2000-12-22  
[30] IT (PD99A000133) 1999-06-22

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[21] **2,311,585**  
[13] A1

[51] **Int.Cl. 7H04Q 3/00 7H04L 12/20**  
[25] EN  
[54] **A SYSTEM HAVING A PORT WITH TWO OPERATING MODES**  
[54] **SYSTEME AVEC PORT BIMODE**  
[72] AGAMI, YARON, IL  
[72] MARKINZON, EVALD, IL  
[72] TIMCHENKO, MARINA, IL  
[71] ECI TELECOM LTD., IL  
[22] 2000-06-15  
[43] 2000-12-17  
[30] IL (130540) 1999-06-17

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[21] **2,311,596**  
[13] A1

[51] **Int.Cl. 7G08B 13/19 7H02J 7/00 7H05K 9/00 7G01P 13/00**  
[25] EN  
[54] **PASSIVE INFRARED DETECTOR WITH LONG-LIFE BATTERY**  
[54] **DETECTEUR INFRAROUGE PASSIF A BATTERIE A DUREE DE VIE PROLONGEE**  
[72] KOTLICKI, YAACOV, IL  
[71] VISONIC LTD., IL  
[22] 2000-06-14  
[43] 2000-12-21  
[30] IL (130588) 1999-06-21

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[21] **2,311,608**  
[13] A1

[51] **Int.Cl. 7A61F 13/511**  
[25] EN  
[54] **A UNITIZED COVER AND ABSORBENT TRANSFER LAYER**  
[54] **ELEMENT MONOBLOC COMPOSE D'UNE ENVELOPPE ET D'UNE COUCHE DE TRANSFERT ABSORBANTE**  
[72] O'MALLEY, MARY G., US  
[72] LASKO, VINCENT P., US  
[71] MCNEIL-PPC, INC., US  
[22] 2000-06-15  
[43] 2000-12-18  
[30] US (09/335,825) 1999-06-18

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**Demandes canadiennes mises à la disponibilité du public**  
**17 décembre 2000 - 23 décembre 2000**

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[21] **2,311,612**  
[13] A1

[51] **Int.Cl. 7H04L 29/02**  
[25] EN  
[54] **METHOD OF MANAGING TELECOMMUNICATION TRANSPORT NETWORKS FOR IMPROVING THE SCALABILITY THEREOF**  
[54] **METHODE DE GESTION DE RESEAUX D'ACHEMINEMENT DE TELECOMMUNICATIONS AFIN D'EN AMELIORER L'ECHELONNABILITE**  
[72] COLTRO, CLAUDIO, IT  
[71] ALCATEL, FR  
[22] 2000-06-14  
[43] 2000-12-21  
[30] IT (MI 99A 001 377) 1999-06-21

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[21] **2,311,618**  
[13] A1

[51] **Int.Cl. 7C01B 33/113 7C01B 33/02 7H01L 31/04**  
[25] EN  
[54] **SILICON WITH STRUCTURED OXYGEN DOPING, ITS PRODUCTION AND USE**  
[54] **DOPAGE STRUCTURE A L'OXYGENE DU SILICIUM, PRODUCTION ET UTILISATION DU PRODUIT OBTENU**  
[72] HOF, HANS-ULRICH, DE  
[72] KOCH, WOLFGANG, DE  
[72] THURM, SIEGFRIED, DE  
[72] HASSLER, CHRISTIAN, DE  
[72] BREITENSTEIN, OTWIN, DE  
[71] BAYER AKTIENGESELLSCHAFT, DE  
[22] 2000-06-14  
[43] 2000-12-17  
[30] DE (19927604.8) 1999-06-17

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[21] **2,311,639**  
[13] A1

[51] **Int.Cl. 7C09D 133/04 7C09D 133/02 7C09D 133/20**  
[25] EN  
[54] **AQUEOUS COATING COMPOSITION FOR AUTOMOTIVE UPHOLSTERY**  
[54] **COMPOSITIONS AQUEUSES DE REVETEMENT POUR GARNITURES AUTOMOBILES**  
[72] KAWANO, SHINOSUKE, JP  
[72] ISHIMODA, YUKIKO, JP  
[72] ITOH, SUKUNI, JP  
[72] ITAKURA, TATSUYA, JP  
[72] WATANABE, TAKASHI, JP  
[71] NIPPON BEE CHEMICAL CO., LTD., JP  
[71] HONDA GIKEN KOGYO KABUSHIKI KAISHA, JP  
[22] 2000-06-14  
[43] 2000-12-22  
[30] JP (11-176052) 1999-06-22

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[21] **2,311,691**  
[13] A1

[51] **Int.Cl. 7A23C 11/02 7A23F 5/40**  
[25] EN  
[54] **FOAMING CAPPUCCINO CREAMER CONTAINING GASIFIED CARBOHYDRATE**  
[54] **COLORANT MOUSSANT POUR CAPPUCCINO RENFERMANT UN GLUCIDE GAZEIFIE**  
[72] KIESSLING, THOMAS RICHARD, US  
[72] ZELLER, BARY LYN, US  
[71] KRAFT FOODS, INC., US  
[22] 2000-06-15  
[43] 2000-12-22  
[30] US (09/338,483) 1999-06-22

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[21] **2,311,692**  
[13] A1

[51] **Int.Cl. 7G01N 35/10 7G01N 1/22 7G01N 1/28**  
[25] EN  
[54] **APPARATUS FOR ANALYZING A VOLATILE COMPOSITION OF MATTER RELEASABLY BONDED TO A PLIABLE POROUS SUBSTRATE AND PROCESS FOR USING SAID APPARATUS**  
[54] **APPAREIL SERVANT A ANALYSER UNE COMPOSITION VOLATILE DE MATIERE FIXEE DE MANIERE NON PERMANENTE A UN SUPPORT POREUX PLIABLE ET METHODE D'UTILISATION DUDIT APPAREIL**  
[72] LEDIG, WALTER O., US  
[71] INTERNATIONAL FLAVORS & FRAGRANCES INC., US  
[22] 2000-06-15  
[43] 2000-12-18  
[30] US (09/336,055) 1999-06-18

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[21] **2,311,697**  
[13] A1

[51] **Int.Cl. 7B26B 19/14**  
[25] EN  
[54] **ROTARY ELECTRIC SHAVER**  
[54] **RASOIR ELECTRIQUE A TETES ROTATIVES**  
[72] NAKANO, TSUYOSHI, JP  
[71] IZUMI PRODUCTS COMPANY, JP  
[22] 2000-06-15  
[43] 2000-12-21  
[30] JP (11-174677) 1999-06-21

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[21] **2,311,700**  
[13] A1

[51] **Int.Cl. 7A61M 5/32**  
[25] EN  
[54] **PROTECTIVE DEVICE FOR INJECTION OR ASPIRATION NEEDLE**  
[54] **DISPOSITIF DE PROTECTION POUR AIGUILLE A INJECTION OU A ASPIRATION**  
[72] ASBAGHI, HOOMAN A., US  
[71] ASBAGHI, HOOMAN A., US  
[22] 2000-06-15  
[43] 2000-12-18  
[30] US (09/336,405) 1999-06-18



**Canadian Laid-Open Applications  
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[21] **2,311,702**  
[13] A1

[51] **Int.Cl. 7G01N 33/574 7G01N 33/543 7G01N 33/577**  
[25] EN  
[54] **A METHOD FOR DETECTION OF CARCINOEMBRYONIC ANTIGENS HAVING A MODIFIED SUGAR CHAIN STRUCTURE**  
[54] **METHODE DE DETECTION D'ANTIGENES CARCINO-EMBRYONNAIRES AYANT UNE CHAINE DE SUCRE A STRUCTURE MODIFIEE**  
[72] HOSOKAWA, HIDEAKI, JP  
[72] SATOMURA, SHINJI, JP  
[72] NAKAMURA, KENJI, JP  
[71] WAKO PURE CHEMICAL INDUSTRIES, LTD., JP  
[22] 2000-06-15  
[43] 2000-12-18  
[30] JP (11-172485) 1999-06-18

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[21] **2,311,710**  
[13] A1

[51] **Int.Cl. 7A47J 31/00 7A47J 27/12**  
[25] EN  
[54] **A DEVICE FOR THE RAPID PREPARATION OF DRINKS IN MICROWAVE OVEN BY MEANS OF THE INTIMATE INTERACTION BETWEEN A HEATED FLUID AND A DIVIDED OR POROUS SUBSTANCE**  
[54] **DISPOSITIF POUR LA PREPARATION RAPIDE DE BOISSONS, AU FOUR A MICRO-ONDES, AU MOYEN DE L'INTERACTION PROFONDE ENTRE UN FLUIDE CHAUFFE ET UNE SUBSTANCE EN MORCEAUX OU POREUSE**  
[72] CONVERTI, MAURIZIO, IT  
[71] CONVERTI, MAURIZIO, IT  
[22] 2000-06-15  
[43] 2000-12-18  
[30] IT (RA99A000005) 1999-06-18

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[21] **2,311,747**  
[13] A1

[51] **Int.Cl. 7B04C 5/28**  
[25] EN  
[54] **SEPARATING DEVICE, SEPARATION UNIT FOR SUCH A SEPARATING DEVICE, AND SEPARATING METHOD**  
[54] **DISPOSITIF DE SEPARATION, ELEMENT SEPARATEUR POUR UN TEL DISPOSITIF DE SEPARATION, ET METHODE DE SEPARATION**  
[72] LUPKES, WILHELM FOCKO, NL  
[72] TIMMER, WILLEM, NL  
[71] HOVEX B.V., NL  
[22] 2000-06-14  
[43] 2000-12-21  
[30] NL (1012401) 1999-06-21  
[30] NL (1014410) 2000-02-17

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[21] **2,311,774**  
[13] A1

[51] **Int.Cl. 7B29C 45/16 7F16L 47/00**  
[25] EN  
[54] **METHOD FOR PRODUCING A CONNECTOR**  
[54] **METHODE DE PRODUCTION D'UN CONNECTEUR**  
[72] KERTESZ, JANOS, DE  
[71] RASMUSSEN GMBH, DE  
[22] 2000-06-15  
[43] 2000-12-21  
[30] DE (199 28 345.1) 1999-06-21  
[30] DE (199 53 746.1) 1999-11-09

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[21] **2,311,779**  
[13] A1

[51] **Int.Cl. 7A63B 5/11**  
[25] EN  
[54] **TRAMPOLINE PAD ASSEMBLY**  
[54] **ENSEMBLE DE BORDURE COUSSINEE POUR TRAMPOLINE**  
[72] STEGER, RALPH E., US  
[71] HEDSTROM CORPORATION, US  
[22] 2000-06-15  
[43] 2000-12-22  
[30] US (09/337,244) 1999-06-22

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[21] **2,311,793**  
[13] A1

[51] **Int.Cl. 7B23K 9/095 7G11B 5/00 7B23K 35/00 7B23K 9/24**  
[25] EN  
[54] **CODED AND ELECTRONICALLY TAGGED WELDING WIRE**  
[54] **FIL-ELECTRODE CODE ET MARQUE ELECTRONIQUEMENT**  
[72] HSU, CHRISTOPHER, US  
[72] BLANKENSHIP, GEORGE D., US  
[71] LINCOLN GLOBAL, INC., US  
[22] 2000-06-15  
[43] 2000-12-21  
[30] US (09/336,574) 1999-06-21

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[21] **2,311,822**  
[13] A1

[51] **Int.Cl. 7G01V 1/00 7G01V 1/16 7G01V 1/28**  
[25] EN  
[54] **3-D SEISMIC TRACE EXTRAPOLATION AND INTERPOLATION**  
[54] **INTERPOLATION ET EXTRAPOLATION DE TRACES SISMIQUES 3D**  
[72] CHAMBERS, RONALD EDWARD, US  
[72] GULUNAY, NECATI, US  
[71] BAKER HUGHES INCORPORATED, US  
[22] 2000-06-15  
[43] 2000-12-21  
[30] US (09/337,116) 1999-06-21

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[21] **2,311,823**  
[13] A1

[51] **Int.Cl. 7B23K 9/09 7H02M 7/00**  
[25] EN  
[54] **TANDEM ELECTRODE WELDER AND METHOD OF WELDING WITH TWO ELECTRODES**  
[54] **MACHINE A SOUDER A ELECTRODES EN TANDEM ET METHODE DE SOUDAGE AU MOYEN DE DEUX ELECTRODES**  
[72] PETERS, STEVEN R., US  
[72] STAVA, ELLIOT K., US  
[71] LINCOLN GLOBAL, INC., US  
[22] 2000-06-15  
[43] 2000-12-21  
[30] US (09/336,804) 1999-06-21

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**Demandes canadiennes mises à la disponibilité du public**  
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[21] **2,311,825**  
[13] A1

[51] **Int.Cl. 7B65D 3/22**  
[25] EN  
[54] **HEAT INSULATING PAPER CUPS**  
[54] **Gobelets en papier calorifuges**  
[72] BREINING, MICHAEL A., US  
[72] FREDRICKS, RICHARD E., US  
[72] BROWN, DAVID C., US  
[72] MCCARTHY, DONALD C., US  
[72] PUCCI, WILLIAM R., US  
[72] SEGAN, RICHARD A., US  
[72] MALAKHOW, WALTER, US  
[71] FORT JAMES CORPORATION, US  
[22] 2000-06-16  
[43] 2000-12-17  
[30] US (09/334,495) 1999-06-17

[21] **2,311,826**  
[13] A1

[51] **Int.Cl. 7A01G 23/00 7B27L 11/00**  
**7A01G 23/06 7B02C 18/18**  
[25] EN  
[54] **IMPROVEMENTS FOR MULCHING UNIT FOR USE IN MULCHING APPARATUS**  
[54] **AMELIORATIONS POUR DISPOSITIF DE PAILLAGE**  
[72] EDWARDS, JOHN W., US  
[71] MAGNUM MULCHING MOWERS, INC., US  
[22] 2000-06-16  
[43] 2000-12-17  
[30] US (09/334,953) 1999-06-17  
[30] US (09/503,935) 2000-02-14

[21] **2,311,831**  
[13] A1

[51] **Int.Cl. 7A61K 7/42**  
[25] EN  
[54] **ANHYDROUS HIGH-SPF ULTRAVIOLET LIGHT SCREENS**  
[54] **ECRANS ANTI-RAYONNEMENT ULTRAVIOLET ANHYDRES A FPS ELEVE**  
[72] SCOTT, JOHN A., US  
[72] ORTEGA, ALEJANDRO V., II, US  
[71] SCHERING-PLOUGH HEALTHCARE PRODUCTS, INC., US  
[22] 2000-06-16  
[43] 2000-12-18  
[30] US (60/140,047) 1999-06-18

[21] **2,311,833**  
[13] A1

[51] **Int.Cl. 7H03F 1/32**  
[25] EN  
[54] **MIXED BASEBAND-IF PREDISTORTION SYSTEM FOR LINEARISING POWER AMPLIFIERS**  
[54] **SYSTEME DE DISTORSION PREALABLE MIXTE BANDE DE BASE/FI POUR AMPLIFICATEURS DE PUISSANCE DE LINEARISATION**  
[72] BETTI, ROBERTO, IT  
[72] BANELLI, PAOLO, IT  
[72] ANDREOLI, SANTE, IT  
[72] FUMI, EUGENIO, IT  
[71] ITELCO - S.P.A., IT  
[22] 2000-06-16  
[43] 2000-12-17  
[30] IT (MC99A000052) 1999-06-17

[21] **2,311,850**  
[13] A1

[51] **Int.Cl. 7B42D 3/00**  
[25] EN  
[54] **INFLATABLE BINDER**  
[54] **RELIURE GONFLABLE**  
[72] YAMAMOTO, NORMAN C., US  
[71] AVERY DENNISON CORPORATION, US  
[22] 2000-06-16  
[43] 2000-12-18  
[30] US (09/336,325) 1999-06-18

[21] **2,311,856**  
[13] A1

[51] **Int.Cl. 7H01H 23/12 7H01H 9/00**  
[25] EN  
[54] **ANTI-SAW-THROUGH SPRING GUIDE AND SPRING RETAINER**  
[54] **GUIDE ET COUPELLE DE RESSORT ANTI-USURE**  
[72] THOMAS, CRAIG A., US  
[71] SIEMENS ENERGY & AUTOMATION, INC., US  
[22] 2000-06-15  
[43] 2000-12-17  
[30] US (09/335,326) 1999-06-17

[21] **2,311,860**  
[13] A1

[51] **Int.Cl. 7A47G 19/00 7A47G 19/03**  
[25] EN  
[54] **DISPOSABLE SERVINGWARE WITH NESTING RESISTANT FLANGE PATTERNS**  
[54] **ACCESSOIRES DE SERVICE JETABLES AYANT DES FORMES DE REBORD RESISTANT A L'EMBOITEMENT**  
[72] LAMSON, WAYNE W., US  
[72] SWIONTEK, ANTHONY J., US  
[72] LITTLEJOHN, MARK B., US  
[71] FORT JAMES CORPORATION, US  
[22] 2000-06-16  
[43] 2000-12-18  
[30] US (09/335,639) 1999-06-18

[21] **2,311,872**  
[13] A1

[51] **Int.Cl. 7C07D 209/42 7C07D 401/12 7C07D 403/12 7C07D 405/12 7C07D 409/12 7C07D 413/12 7C07D 417/12**  
[25] EN  
[54] **NOVEL PROCESSES AND INTERMEDIATES**  
[54] **NOUVELLES SYNTHESSES ET NOUVEAUX INTERMEDIAIRES**  
[72] HOOVER, DENNIS JAY, US  
[72] FOX, DARRELL EUGENE, US  
[72] HAMMEN, PHILIP DIETRICH, US  
[72] DEVRIES, KEITH MICHAEL, US  
[72] JORGENSEN, JEFFREY BRIAN, US  
[71] PFIZER PRODUCTS INC., US  
[22] 2000-06-16  
[43] 2000-12-18  
[30] US (60/139,997) 1999-06-18

[21] **2,311,874**  
[13] A1

[51] **Int.Cl. 7D04H 5/00 7H01M 2/16**  
[25] EN  
[54] **NON-WOVEN FIBRE WEBS**  
[54] **VOILES DE FIBRES NON TISSES**  
[72] BROWN, KAREN LEANNE, GB  
[72] GASCOYNE, JOHN MALCOLM, GB  
[71] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB  
[22] 2000-06-16  
[43] 2000-12-22  
[30] GB (9914499.0) 1999-06-22

**Canadian Laid-Open Applications  
December 17, 2000 - December 23, 2000**

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[21] **2,311,875**  
[13] A1

[51] **Int.Cl. 7A61M 16/06**  
[25] EN  
[54] **NASAL MASK**  
[54] **MASQUE NASAL**  
[72] ZIAEE, SAEED, CA  
[71] ZIAEE, SAEED, CA  
[22] 2000-06-16  
[43] 2000-12-18  
[30] US (60/139,721) 1999-06-18

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[21] **2,311,877**  
[13] A1

[51] **Int.Cl. 7B64D 13/08**  
[25] EN  
[54] **AIR-CONDITIONING SYSTEM FOR BELOW-DECK AREAS OF A PASSENGER AIRCRAFT**  
[54] **SYSTEME DE CONDITIONNEMENT D'AIR POUR ZONES AMENAGEES SOUS LE PLANCHER D'UN AVION DE PASSAGERS**  
[72] MARKWART, MICHAEL, DE  
[72] SCHEFFLER, HANS-JOACHIM, DE  
[72] BUCHHOLZ, UWE, DE  
[71] MARKWART, MICHAEL, DE  
[71] SCHEFFLER, HANS-JOACHIM, DE  
[71] BUCHHOLZ, UWE, DE  
[22] 2000-06-16  
[43] 2000-12-17  
[30] DE (199 27 606.4) 1999-06-17

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[21] **2,311,878**  
[13] A1

[51] **Int.Cl. 7H03F 1/32**  
[25] EN  
[54] **BASEBAND PREDISTORTION SYSTEM FOR LINEARISING POWER AMPLIFIERS**  
[54] **SYSTEME DE DISTORSION PREALABLE EN BANDE DE BASE POUR AMPLIFICATEURS DE PUISSANCE DE LINEARISATION**  
[72] PAOLO, BANELLI, IT  
[72] SANTE, ANDREOLI, IT  
[71] ITELCO - S.P.A., IT  
[22] 2000-06-16  
[43] 2000-12-17  
[30] IT (MC99A000051) 1999-06-17

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[21] **2,311,880**  
[13] A1

[51] **Int.Cl. 7H01M 10/26**  
[25] EN  
[54] **NONAQUEOUS ELECTROLYTE BATTERY**  
[54] **PILE A ELECTROLYTE NON AQUEUX**  
[72] IMOTO, HIROSHI, JP  
[72] HOMMURA, HAYATO, JP  
[72] NAGAMINE, MASAYUKI, JP  
[71] SONY CORPORATION, JP  
[22] 2000-06-16  
[43] 2000-12-22  
[30] JP (P11-176007) 1999-06-22

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[21] **2,311,882**  
[13] A1

[51] **Int.Cl. 7H01M 10/26**  
[25] EN  
[54] **NONAQUEOUS ELECTROLYTE BATTERY**  
[54] **PILE A ELECTROLYTE NON AQUEUX**  
[72] YAMAGUCHI, AKIRA, JP  
[72] ITO, HIDETOSHI, JP  
[72] NAGAMINE, MASAYUKI, JP  
[72] OMARU, ATSUO, JP  
[71] SONY CORPORATION, JP  
[22] 2000-06-16  
[43] 2000-12-22  
[30] JP (P11-176008) 1999-06-22

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[21] **2,311,883**  
[13] A1

[51] **Int.Cl. 7G02B 26/08 7H04J 14/00**  
[25] EN  
[54] **N X M OPTICAL SWITCH**  
[54] **COMMUTATEUR OPTIQUE N X M**  
[72] COPNER, NIGEL, CA  
[72] COHEN, ADAM D., CA  
[72] IYER, RAJIV, CA  
[72] FARRIES, MARK, CA  
[71] JDS UNIPHASE INC., CA  
[22] 2000-06-16  
[43] 2000-12-17  
[30] US (09/334,502) 1999-06-17

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[21] **2,311,886**  
[13] A1

[51] **Int.Cl. 7G06F 13/38 7H04H 1/00 7H04N 7/16**  
[25] EN  
[54] **DATA DISTRIBUTION METHOD AND APPARATUS, AND DATA RECEIVING METHOD AND APPARATUS**  
[54] **METHODE ET APPAREILLAGE DE DISTRIBUTION DE DONNEES ET METHODE ET APPAREILLAGE DE RECEPTION DE DONNEES**  
[72] KIMOTO, YOSUKE, JP  
[71] SONY CORPORATION, JP  
[22] 2000-06-16  
[43] 2000-12-21  
[30] JP (P11-174721) 1999-06-21

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[21] **2,311,887**  
[13] A1

[51] **Int.Cl. 7A61K 35/78 7A23L 1/30**  
[25] EN  
[54] **FOOD SUPPLEMENT**  
[54] **SUPPLEMENT ALIMENTAIRE**  
[72] BELCHEFF, ELSIE, CA  
[71] BELCHEFF, ELSIE, CA  
[22] 2000-06-16  
[43] 2000-12-17  
[30] US (60/139,489) 1999-06-17

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[21] **2,311,888**  
[13] A1

[51] **Int.Cl. 7H04L 12/20 7H04L 29/02**  
[25] EN  
[54] **AUTOMATIC DATA TRANSMISSION RATE-CONTROLLING DEVICE AND METHOD FOR PREVENTION OF GENERATION OF AN OVERFLOW IN ETHERNET SWITCH**  
[54] **DISPOSITIF DE TRANSMISSION DE DONNEES AUTOMATISE AVEC REGULATION DU DEBIT ET METHODE DE PREVENTION DES DEBORDEMENTS DANS UN COMMUTATEUR INTERNET**  
[72] JOUNG, JIN-WOO, KR  
[72] YOO, SEUNG-WHA, KR  
[71] SAMSUNG ELECTRONICS CO., LTD., KR  
[22] 2000-06-16  
[43] 2000-12-23  
[30] KR (23728/1999) 1999-06-23

**Demandes canadiennes mises à la disponibilité du public**  
**17 décembre 2000 - 23 décembre 2000**

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[21] **2,311,891**  
[13] A1

[51] **Int.Cl. 7H05B 41/14 7H05B 41/36**  
[25] EN  
[54] **METHOD FOR OPERATING AT LEAST ONE FLUORESCENT LAMP, AND ELECTRONIC BALLAST THEREFOR**  
[54] **METHODE D'EXPLOITATION D'AU MOINS UNE LAMPE FLUORESCENTE ET D'UN BALLAST ELECTRONIQUE CONNEXE**  
[72] KRUMMEL, PETER, DE  
[71] PATENT-TREUHAND-GESELLSCHAFT FUR ELEKTRISCHE GLUEHLAMPEN MBH, DE  
[22] 2000-06-16  
[43] 2000-12-18  
[30] DE (199 28 042.8) 1999-06-18

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[21] **2,311,893**  
[13] A1

[51] **Int.Cl. 7C09D 11/00 7G03G 9/08 7C09D 5/44 7C09D 5/46**  
[25] EN  
[54] **USE OF IMPROVED CYAN PIGMENTS IN ELECTROPHOTOGRAPHIC TONERS AND DEVELOPERS, POWDER COATINGS AND INKJET INKS**  
[54] **UTILISATION DE PIGMENTS AMELIORES DE COULEUR CYAN DANS LES TONERS ET REVELATEURS ELECTROPHOTOGRAPHIQUES, LES REVETEMENTS EN POUDRE ET LES ENCRE POUR IMPRIMANTES A JET D'ENCRE**  
[72] BAUR, RUEDIGER, DE  
[72] MACHOLDT, HANS-TOBIAS, DE  
[72] MENZEL, HEIDEMARIE, DE  
[72] GEISENBERGER, JOSEF, DE  
[72] HARZ, ANDREAS, DE  
[72] MICHEL, EDUARD, DE  
[71] CLARIANT GMBH, DE  
[22] 2000-06-16  
[43] 2000-12-18  
[30] DE (199 27 835.0) 1999-06-18

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[21] **2,311,904**  
[13] A1

[51] **Int.Cl. 7E04C 2/10 7E04B 5/00**  
[25] EN  
[54] **LONG LASTING DECK PRODUCT**  
[54] **PRODUIT DE PLATELAGE DURABLE**  
[72] GUSLER, JAY, US  
[71] GUSLER, JAY, US  
[22] 2000-06-19  
[43] 2000-12-18  
[30] US (09/336,223) 1999-06-18

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[21] **2,311,910**  
[13] A1

[51] **Int.Cl. 7H04L 12/24 7H04L 29/02**  
[25] EN  
[54] **DESIGN FOR SCALABLE NETWORK MANAGEMENT SYSTEMS**  
[54] **CONCEPTION DE SYSTEMES DE GESTION DE RESEAU ECHELONNABLES**  
[72] SRINIVASAN, SANJAY, US  
[71] SRINIVASAN, SANJAY, US  
[22] 2000-06-16  
[43] 2000-12-23  
[30] US (60/140,593) 1999-06-23  
[30] US (09/572193) 2000-05-17

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[21] **2,311,913**  
[13] A1

[51] **Int.Cl. 7G01N 29/04 7F22B 37/00 7F17D 5/00**  
[25] EN  
[54] **METHOD FOR THE INSPECTION OF STEAM GENERATOR TUBING UTILIZING NONAXISYMETRIC GUIDED WAVES**  
[54] **METHODE D'INSPECTION DE TUBES DE GENERATEUR DE VAPEUR AU MOYEN D'ONDES GUIDEES NON AXISYMETRIQUES**  
[72] MCCLELLAND, RICHARD G., US  
[71] SIEMENS POWER CORPORATION, US  
[22] 2000-06-16  
[43] 2000-12-18  
[30] US (09/335,574) 1999-06-18

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[21] **2,311,948**  
[13] A1

[51] **Int.Cl. 7G09B 11/04**  
[25] EN  
[54] **WRITING PAPER TO AID IN LEARNING**  
[54] **PAPIER D'ECRITURE POUR FAVORISER L'APPRENTISSAGE**  
[72] MCGEE, JOSIE E., CA  
[71] MCGEE, JOSIE E., CA  
[22] 2000-06-19  
[43] 2000-12-18  
[30] CA (2,275,905) 1999-06-18

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[21] **2,311,962**  
[13] A1

[51] **Int.Cl. 7D04H 5/00 7H01M 2/16**  
[25] EN  
[54] **NON-WOVEN FIBRE WEBS**  
[54] **VOILES DE FIBRES NON TISSES**  
[72] BROWN, KAREN LEANNE, GB  
[72] COOPER, SUSAN JOY, GB  
[72] RALPH, THOMAS ROBERTSON, GB  
[72] GASCOYNE, JOHN MALCOLM, GB  
[71] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB  
[22] 2000-06-19  
[43] 2000-12-22  
[30] GB (9914492.5) 1999-06-22

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[21] **2,311,966**  
[13] A1

[51] **Int.Cl. 7G02F 1/225**  
[25] EN  
[54] **OPTICAL FIBER MACH-ZEHNDER INTERFEROMETER EMPLOYING MINIATURE BENDS**  
[54] **INTERFEROMETRE DE MACH-ZEHNDER A FIBRES OPTIQUES UTILISANT DES COURBURES MINIATURES**  
[72] CRYAN, COLM V., US  
[72] DARIOTIS, STAVROS, US  
[72] BURTON, THOMAS ROY, US  
[72] STOWE, DAVID W., US  
[72] MANTY, MARGARET C., US  
[71] THOMAS & BETTS INTERNATIONAL, INC., US  
[22] 2000-06-19  
[43] 2000-12-23  
[30] US (60/140,544) 1999-06-23  
[30] US (60/171,216) 1999-12-16  
[30] US (60/171,238) 1999-12-16  
[30] US (60/171,241) 1999-12-16

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[21] **2,311,977**  
[13] A1  
[51] **Int.Cl. 7A61M 5/168**  
[25] EN  
[54] **METHOD FOR DELIVERING A FLUID INTO A VESSEL OF A HUMAN BODY, AND IMPROVED CANNULA USEFUL FOR CARRYING OUT THE METHOD**  
[54] **METHODE D'ADMINISTRATION D'UN FLUIDE DANS UN VAISSEAU D'UN ORGANISME HUMAIN, ET CANULE AMELIOREE UTILE A L'EXECUTION DE LA METHODE**  
[72] KERKHOFFS, WOLFGANG, DE  
[72] MESSMER, BRUNO, DE  
[72] REUL, HELMUT, DE  
[72] MARSEILLE, OLIVER, DE  
[72] EILERS, ROLF, DE  
[72] HILDINGER, KARL HEINZ, DE  
[71] MEDOS MEDIZINTECHNIK GMBH, DE  
[22] 2000-06-19  
[43] 2000-12-18  
[30] DE (199 28 018.5) 1999-06-18  
[30] DE (199 33 171.5) 1999-07-15

[21] **2,311,981**  
[13] A1  
[51] **Int.Cl. 7F16F 9/50 7B60G 17/06**  
[25] EN  
[54] **ADAPTIVE OFF-STATE CONTROL METHOD**  
[54] **METHODE ADAPTATIVE DE COMMANDE EN ETAT BLOQUE**  
[72] ST. CLAIR, KENNETH A., US  
[72] IVERS, DOUGLAS E., US  
[71] LORD CORPORATION, US  
[22] 2000-06-19  
[43] 2000-12-17  
[30] US (09/335,320) 1999-06-17

[21] **2,311,982**  
[13] A1  
[51] **Int.Cl. 7H01S 5/10**  
[25] EN  
[54] **SIDE PUMPED, Q-SWITCHED MICROLASER**  
[54] **MICROLASER DECLENCHE A POMPAGE LATERAL**  
[72] GUCH, STEVE JR., US  
[72] STONECYPHER, CHARLES L., US  
[71] LITTON SYSTEMS, INC., US  
[22] 2000-06-19  
[43] 2000-12-21  
[30] US (09/337,716) 1999-06-21

[21] **2,311,983**  
[13] A1  
[51] **Int.Cl. 7A23L 1/187 7A23L 1/06**  
[25] EN  
[54] **REFRIGERATOR-STABLE, NON-DAIRY FOAM**  
[54] **MOUSSE NON LAITIERE STABLE AU REFRIGERATEUR**  
[72] LESHIK, RICHARD ROBERT, US  
[72] COBOS, MARIA DEL PILAR, US  
[71] KRAFT FOODS, INC., US  
[22] 2000-06-19  
[43] 2000-12-21  
[30] US (336,298) 1999-06-21

[21] **2,311,989**  
[13] A1  
[51] **Int.Cl. 7C11D 17/00**  
[25] EN  
[54] **COMPRESSION PROCESS FOR LAUNDRY DETERGENT AND CLEANING PRODUCT TABLETS**  
[54] **METHODE DE COMPRESSION DES TABLETTES DE DETERGENT A LESSIVE ET DE PRODUITS DE NETTOYAGE**

[72] THIESSIES, CLAUS-PETER, DE  
[72] WIETHOLZ, TORSTEN, DE  
[72] LIETZMANN, ANDREAS, DE  
[72] JUNG, DIETER, DE  
[72] KRUSE, HANS-FRIEDRICH, DE  
[71] HENKEL  
KOMMANDITGESELLSCHAFT AUF AKTIEN, DE  
[22] 2000-06-19  
[43] 2000-12-19  
[30] DE (199 28 111.4) 1999-06-19  
[30] DE (199 30 932.9) 1999-07-06

[21] **2,311,990**  
[13] A1  
[51] **Int.Cl. 7B60Q 9/00 7G08B 21/00**  
[25] EN  
[54] **ALARM SYSTEM FOR ENGINE BLOCK HEATER**  
[54] **SYSTEME D'ALARME DE CHAUFFE-BLOC DE MOTEUR A COMBUSTION**  
[72] CAISSIE, LAURENT, CA  
[71] CAISSIE, LAURENT, CA  
[22] 2000-06-19  
[43] 2000-12-21  
[30] CA (2,275,855) 1999-06-21

[21] **2,311,994**  
[13] A1  
[51] **Int.Cl. 7C01B 33/38 7C11D 3/08 7C11D 3/386 7C11D 3/395 7C11D 1/722**  
[25] EN  
[54] **USE OF ACTIVATED LAYER SILICATES IN NONAQUEOUS LIQUID LAUNDRY DETERGENTS AND OTHER FLUID TO HIGH VISCOSITY MEDIA**  
[54] **UTILISATION DE PHYLLOSILICATES DANS LES DETERGENTS A LESSIVE LIQUIDES NON AQUEUX ET DANS DES MILIEUX DONT LES PROPRIETES SE SITUENT ENTRE UNE CERTAINE FLUIDITE ET UNE VISCOSITE ELEVEE**  
[72] LEGEL, DIETER, DE  
[72] HOFMANN, RAINER, DE  
[72] PENNINGER, JOSEF, DE  
[72] RIEBE, HANS-JUERGEN, DE  
[71] HENKEL  
KOMMANDITGESELLSCHAFT AUF AKTIEN, DE  
[22] 2000-06-19  
[43] 2000-12-17  
[30] DE (199 27 652.8) 1999-06-17

[21] **2,311,995**  
[13] A1  
[51] **Int.Cl. 7C12P 7/28 7A23L 1/23 7A23G 3/30 7C11D 3/50 7C11D 1/70 7C07C 49/78**  
[25] EN  
[54] **PROCESS FOR PREPARING ACETOPHENONE, PRODUCTS PRODUCED THEREFROM AND ORGANOLEPTIC USES OF SAID PRODUCTS**  
[54] **METHODE DE PREPARATION DE L'ACETOPHENONE, PRODUITS OBTENUS PAR CETTE METHODE ET UTILISATIONS ORGANOLEPTIQUES DE CEUX-CI**  
[72] BLOCKER, ROBERT W., US  
[72] FARBOOD, MOHAMAD I., US  
[72] KIM, AUGUSTINE YONGHWI, US  
[71] INTERNATIONAL FLAVORS & FRAGRANCES INC., US  
[22] 2000-06-19  
[43] 2000-12-18  
[30] US (09/336,052) 1999-06-18

**Demandes canadiennes mises à la disponibilité du public**  
**17 décembre 2000 - 23 décembre 2000**

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[21] **2,311,996**  
[13] A1

[51] **Int.Cl. 7C07D 307/33 7C07C 67/31 7C07C 69/68**  
[25] EN  
[54] **CONTINUOUS HYDROGENATION PROCESS**  
[54] **PROCEDE D'HYDROGENATION EN CONTINU**  
[72] BAIKER, ALFONS, CH  
[72] MALLAT, TAMAS, CH  
[72] KUNZLE, NIKLAUS, CH  
[71] F. HOFFMANN-LA ROCHE AG, CH  
[22] 2000-06-19  
[43] 2000-12-23  
[30] EP (99112078.3) 1999-06-23

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[21] **2,311,997**  
[13] A1

[51] **Int.Cl. 7B01J 35/04 7B01J 37/025 7B01D 53/88**  
[25] EN  
[54] **CERAMIC HONEYCOMB STRUCTURE, CERAMIC HONEYCOMB CATALYST CARRIER, AND CERAMIC HONEYCOMB CATALYTIC CONVERTER USING THE SAME**  
[54] **STRUCTURE EN NID D'ABEILLES EN CERAMIQUE, SUPPORT DE CATALYSEUR EN NID D'ABEILLES EN CERAMIQUE ET CONVERTISSEUR CATALYTIQUE EN NID D'ABEILLES EN CERAMIQUE REALISE A PARTIR DE CELUI-CI**  
[72] HIJIKATA, TOSHIHIKO, JP  
[71] NGK INSULATORS, LTD., JP  
[22] 2000-06-20  
[43] 2000-12-22  
[30] JP (11-175069) 1999-06-22

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[21] **2,312,010**  
[13] A1

[51] **Int.Cl. 7B42D 1/08 7B42F 5/00**  
[25] EN  
[54] **HOSPITAL BIRTH EVENT ALBUM AND METHOD OF PRODUCTION**  
[54] **ALBUM DES PHOTOS DE NOUVEAUX-NES D'UN HOPITAL ET METHODE DE REALISATION**  
[72] GRABWOSKI, JAMES R., US  
[71] HASCO INTERNATIONAL, INC., US  
[22] 2000-06-20  
[43] 2000-12-23  
[30] US (60/140,616) 1999-06-23  
[30] US (09/457,197) 1999-12-08

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[21] **2,312,018**  
[13] A1

[51] **Int.Cl. 7H02P 9/14 7G01R 31/34**  
[25] EN  
[54] **REGULATOR WITH ALTERNATOR OUTPUT CURRENT AND INPUT DRIVE POWER DRIVE CONTROL**  
[54] **REGULATEUR AVEC COMMANDE DE COURANT DE SORTIE ET DE PUISSANCE D'ALTERNATEUR**  
[72] JABAJI, ISSAM, US  
[72] BECKER, JAMES, US  
[71] C.E. NIEHOFF & CO., US  
[22] 2000-06-20  
[43] 2000-12-22  
[30] US (09/338,320) 1999-06-22

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[21] **2,312,019**  
[13] A1

[51] **Int.Cl. 7B65D 45/28 7G11B 33/04 7B65D 85/57**  
[25] EN  
[54] **CONTAINER FOR RECEIVING ARTICLE**  
[54] **CONTENANT A L'EPREUVE DU VOL**  
[72] MITSUYAMA, MASUHIRO, JP  
[71] NISSHIN CO., LTD., JP  
[22] 2000-06-20  
[43] 2000-12-21  
[30] JP (11-212589) 1999-06-21

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[21] **2,312,057**  
[13] A1

[51] **Int.Cl. 7C02F 9/04**  
[25] EN  
[54] **INDUSTRIAL WASTE WATER TREATMENT CLEANING METHOD AND APPARATUS**  
[54] **METHODE DE NETTOYAGE ET APPAREIL POUR LE TRAITEMENT D'EAUX USEES INDUSTRIELLES**  
[72] GRANDPREY, GREG, US  
[72] CHAMPION, G. L., US  
[71] ECOLAB INC., US  
[22] 2000-06-22  
[43] 2000-12-22  
[30] US (60/140,224) 1999-06-22  
[30] US (09/597,106) 2000-06-20

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[21] **2,312,083**  
[13] A1

[51] **Int.Cl. 7A23L 1/187**  
[25] EN  
[54] **PACKAGED, MULTI-LAYERED, READY-TO-EAT PUDDINGS**  
[54] **POUDINGS MULTICOUCHES PRETS A CONSOMMER EMBALLEES**  
[72] LESHIK, RICHARD ROBERT, US  
[72] HOFFMANN, LORRAINE AGNES, US  
[71] KRAFT FOODS HOLDINGS, INC., US  
[22] 2000-06-22  
[43] 2000-12-23  
[30] US (60/140,569) 1999-06-23  
[30] US (UNKNOWN) 2000-06-19

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[21] **2,312,084**  
[13] A1

[51] **Int.Cl. 7B65G 15/30 7B29D 29/06**  
[25] EN  
[54] **BELT, ESPECIALLY CONVEYER BELT AND METHOD FOR MANUFACTURING SAME**  
[54] **COURROIE, EN PARTICULIER COURROIE POUR CONVOYEUR ET METHODE DE FABRICATION**  
[72] BASSE, HARTWIG, DE  
[71] NORDDEUTSCHE SEEKABELWERKE GMBH & CO. KG, DE  
[22] 2000-06-21  
[43] 2000-12-22  
[30] DE (199 28 389.3) 1999-06-22

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[21] **2,312,091**  
[13] A1

[51] **Int.Cl. 7B60P 1/48 7B65F 3/00 7B60P 1/04 7B60P 1/30**  
[25] EN  
[54] **CONTAINER HANDLING DEVICE**  
[54] **DISPOSITIF DE MANUTENTION DE CONTENEUR**  
[72] DE KOCK, HUGO, BE  
[71] VICTORIA ADMINISTRATION LIMITED, GB  
[22] 2000-06-20  
[43] 2000-12-21  
[30] EP (99304847.9) 1999-06-21

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[21] **2,312,096**  
[13] A1

[51] **Int.Cl. 7G06F 12/14 7G11B 20/00 7A63F 3/00 7G07F 17/32**  
[25] EN  
[54] **MASS STORAGE DATA PROTECTION DEVICE FOR A GAMING MACHINE**  
[54] **DISPOSITIF DE PROTECTION DE DONNEES EN MEMOIRE DE MASSE POUR APPAREIL DE JEUX DE HASARD**  
[72] STOCKDALE, JIM, US  
[71] INTERNATIONAL GAME TECHNOLOGY, US  
[22] 2000-06-22  
[43] 2000-12-22  
[30] US (09/338,262) 1999-06-22

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[21] **2,312,114**  
[13] A1

[51] **Int.Cl. 7H04L 7/033 7H04L 12/56**  
[25] EN  
[54] **DEVICE FOR TIMING RECONSTRUCTION OF A DATA CHANNEL TRANSPORTED ON A PACKET NETWORK AND ITS PROCESS**  
[54] **DISPOSITIF DE RECONSTITUTION DE LA SYNCHRONISATION D'UN CANAL DE DONNEES TRANSPORTE SUR UN RESEAU A COMMUTATION DE PAQUETS ET PROCESSUS CONNEXE**  
[72] QUASSO, ROBERTO, IT  
[72] BONELLO, ROBERTO, IT  
[72] DA DALT, NICOLA, AT  
[72] MOSCA, PAOLO, IT  
[72] NERVO, GIACOLINO, IT  
[71] CSELT - CENTRO STUDI E LABORATORI TELECOMUNICAZIONI S.P.A., IT  
[22] 2000-06-21  
[43] 2000-12-22  
[30] IT (TO99A 000534) 1999-06-22

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[21] **2,312,115**  
[13] A1

[51] **Int.Cl. 7H02G 15/12 7H04M 7/04**  
[25] EN  
[54] **SWITCHABLE LOAD COIL CASE BOBINE DE CHARGE**  
[72] EVANS, STEVEN D., US  
[72] WASHBURN, RONALD, US  
[72] MOEHLING, STEVEN P., US  
[72] GRECO, GERALD A., US  
[72] CHARLES, JOSEPH T., US  
[72] HARWOOD, WALTER T., US  
[72] LEON, EDUARDO, US  
[71] CHARLES INDUSTRIES, LTD., US  
[22] 2000-06-21  
[43] 2000-12-21  
[30] US (09/337,137) 1999-06-21

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[21] **2,312,118**  
[13] A1

[51] **Int.Cl. 7C08F 4/642 7C08F 232/08 7C08F 210/16 7C08F 236/20 7C08F 4/68**  
[25] EN  
[54] **OLEFIN POLYMERIZATION PROCESS AND CATALYST SYSTEM THEREFOR**  
[54] **PROCESSUS DE POLYMERISATION DES OLEFINES ET SYSTEME DE CATALYSEUR UTILISE A CETTE FIN**  
[72] ZAHALKA, HAYDER, CA  
[72] MAGER, MICHAEL, DE  
[72] BECKE, SIGURD, DE  
[71] BAYER INC., CA  
[71] BAYER AKTIENGESELLSCHAFT, DE  
[22] 2000-06-21  
[43] 2000-12-23  
[30] CA (2,276,282) 1999-06-23

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[21] **2,312,121**  
[13] A1

[51] **Int.Cl. 7G07F 9/00 7A63F 9/24 7G07F 17/32**  
[25] EN  
[54] **KEY FOR A GAMING MACHINE AND METHOD OF USE THEREOF**  
[54] **CLE POUR MACHINE DE JEU ET METHODE D'UTILISATION CONNEXE**  
[72] BENBRAHIM, JAMAL, US  
[72] LEMAY, STEVEN G., US  
[71] INTERNATIONAL GAME TECHNOLOGY, US  
[22] 2000-06-22  
[43] 2000-12-22  
[30] US (09/338,173) 1999-06-22

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[21] **2,312,124**  
[13] A1

[51] **Int.Cl. 7G11B 7/24 7G11B 7/00 7G11B 7/004**  
[25] EN  
[54] **OPTICAL RECORDING MEDIUM AND RECORDING AND/OR REPRODUCING METHOD AND APPARATUS EMPLOYING THE OPTICAL RECORDING MEDIUM**  
[54] **SUPPORT D'ENREGISTREMENT OPTIQUE ET METHODE ET DISPOSITIF D'ENREGISTREMENT ET/OU DE LECTURE UTILISANT LE SUPPORT D'ENREGISTREMENT OPTIQUE**  
[72] YASUDA, AKIO, DE  
[72] SABI, YUICHI, JP  
[72] YAMAMOTO, MASANOBU, JP  
[71] SONY CORPORATION, JP  
[71] SONY INTERNATIONAL (EUROPE) GMBH, DE  
[22] 2000-06-22  
[43] 2000-12-23  
[30] JP (P11-177195) 1999-06-23

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[21] **2,312,129**  
[13] A1

[51] **Int.Cl. 7H03K 5/003 7H01S 3/10 7H04B 10/16**  
[25] EN  
[54] **HIGH SPEED LEVEL SHIFT CIRCUIT FOR LOW VOLTAGE OUTPUT**  
[54] **CIRCUIT A DECALAGE DE NIVEAU HAUTE VITESSE POUR SORTIE BASSE TENSION**  
[72] SHERAZI, IMRAN, GB  
[72] WHITTAKER, EDWARD J., GB  
[71] NORTEL NETWORKS CORPORATION, CA  
[22] 2000-06-22  
[43] 2000-12-23  
[30] US (09/338,692) 1999-06-23

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**Demandes canadiennes mises à la disponibilité du public**  
**17 décembre 2000 - 23 décembre 2000**

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[21] **2,312,132**  
[13] A1

[51] **Int.Cl. 7H05B 41/38 7H05B 41/14**  
[25] EN  
[54] **METHOD FOR OPERATING A DISCHARGE LAMP**  
[54] **METHODE DE FONCTIONNEMENT DE LAMPE A DECHARGE**  
[72] ENDERS, MARTIN, DE  
[72] RIEHL, HARTWIG, DE  
[72] DOELL, GERHARD, DE  
[71] PATENT-TREUHAND-GESELLSCHAFT FUR ELEKTRISCHE GLUEHLAMPEN MBH, DE  
[22] 2000-06-22  
[43] 2000-12-23  
[30] DE (199 28 438.5) 1999-06-23

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[21] **2,312,134**  
[13] A1

[51] **Int.Cl. 7B63H 11/107**  
[25] EN  
[54] **JET-PROPELLED BOAT**  
[54] **BATEAU PROPULSE PAR REACTION**  
[72] TSUCHIYA, MASAHIKO, JP  
[72] ABE, TOMOHISA, JP  
[71] HONDA GIKEN KOGYO KABUSHIKI KAISHA, JP  
[22] 2000-06-22  
[43] 2000-12-22  
[30] JP (HEI-11-175296) 1999-06-22

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[21] **2,312,135**  
[13] A1

[51] **Int.Cl. 7B65D 51/00 7B65D 81/00**  
[25] EN  
[54] **AIR VALVE CLOSURE FOR CONTAINERS**  
[54] **OBTURATEUR A VALVE DE GONFLAGE POUR CONTENANTS**  
[72] BEAVER, JEFFREY L., US  
[71] RIEKE CORPORATION, US  
[22] 2000-06-22  
[43] 2000-12-22  
[30] US (60/140,222) 1999-06-22

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[21] **2,312,181**  
[13] A1

[51] **Int.Cl. 7B65H 29/60 7B65H 29/66**  
[25] EN  
[54] **METHOD AND DEVICE FOR REMOVING SECTIONS FROM A STREAM OF IMBRICATED ITEMS**  
[54] **METHODE ET DISPOSITIF PERMETTANT L'ENLEVEMENT DE SECTIONS D'UNE SUITE D'ARTICLES IMBRIQUES**  
[72] BERNI, CLAUDIO, CH  
[71] FERAG AG, CH  
[22] 2000-06-23  
[43] 2000-12-23  
[30] CH (01 161/99) 1999-06-23

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[21] **2,312,184**  
[13] A1

[51] **Int.Cl. 7A01G 9/02**  
[25] EN  
[54] **POT COVER**  
[54] **CACHE-POT**  
[72] WEDER, DONALD E., US  
[71] WEDER, DONALD E., US  
[22] 2000-06-23  
[43] 2000-12-23  
[30] US (60/140,618) 1999-06-23  
[30] US (09/598,135) 2000-06-21

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[21] **2,312,202**  
[13] A1

[51] **Int.Cl. 7A61K 7/11 7A61K 7/06**  
[25] FR  
[54] **COMPOSITION COSMETIQUE CAPILLAIRE SOUS FORME D'EMULSION EAU-DANS-SILICONE COMPRENANT AU MOINS UN POLYMERE FIXANT**  
[54] **CAPILLARY COSMETIC COMPOSITION IN THE FORM OF A WATER-IN-SILICONE EMULSION COMPRISING AT LEAST ONE FIXATIVE POLYMER**  
[72] BELLI, EMMANUELLE, FR  
[72] PASQUET, DOROTHEE, FR  
[71] L'OREAL, FR  
[22] 2000-06-14  
[43] 2000-12-18  
[30] FR (99 07 769) 1999-06-18

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[21] **2,312,209**  
[13] A1

[51] **Int.Cl. 7C12P 13/08 7A23K 1/16**  
[25] EN  
[54] **AQUEOUS LYSINE-CONTAINING ANIMAL FEED SUPPLEMENTS AND PROCESS FOR THE PRODUCTION THEREOF**  
[54] **SUPPLEMENTS AQUEUX CONTENANT DE LA LYSINE UTILISES POUR L'ALIMENTATION ANIMALE ET METHODE DE PRODUCTION DE CEUX-CI**  
[72] UFFMANN, KLAUS-ERICH, DE  
[72] BINDER, MICHAEL, DE  
[71] DEGUSSA-HULS AKTIENGESELLSCHAFT, DE  
[22] 2000-07-22  
[43] 2000-12-23  
[30] US (60/140,449) 1999-06-23

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[21] **2,312,217**  
[13] A1

[51] **Int.Cl. 7F04D 29/36**  
[25] EN  
[54] **VARIABLE PITCH FAN**  
[54] **VENTILATEUR A PAS VARIABLE**  
[72] BRUCHAL, BRIAN J., CA  
[72] MCCALLUM, JONATHAN E., CA  
[72] GERWING, Murray C., CA  
[71] FLEXXAIRE MANUFACTURING INC., CA  
[22] 2000-06-21  
[43] 2000-12-22  
[30] DE (99 28 536.5) 1999-06-22

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[21] **2,312,229**  
[13] A1

[51] **Int.Cl. 7B21D 26/02**  
[25] EN  
[54] **HYDROFORMING METHOD AND HYDROFORMING DEVICE**  
[54] **METHODE ET DISPOSITIF D'HYDROFORMAGE**  
[72] HASHIMOTO, MASAKAZU, JP  
[72] KOSHIMIZU, TAKASHI, JP  
[72] MIYATA, HIROMICHI, JP  
[72] KAJI, SHINICHI, JP  
[72] SATO, SHINJIRO, JP  
[72] HOSOYA, HIROSHI, JP  
[72] KITAZAWA, KAZUO, JP  
[71] AIDA ENGINEERING CO., LTD., JP  
[22] 2000-06-21  
[43] 2000-12-21  
[30] JP (11-173850) 1999-06-21  
[30] JP (11-266518) 1999-09-21

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[21] **2,312,232**  
[13] A1

[51] **Int.Cl. 7B42C 5/00**  
[25] EN  
[54] **DEVICE AND METHOD FOR WORKING THE EDGES OF PAGES**  
[54] **DISPOSITIF ET METHODE DE ROGNAGE DE PAGES**  
[72] LANDEN, FRANZ J., DE  
[71] LANDEN, FRANZ J., DE  
[22] 2000-06-21  
[43] 2000-12-21  
[30] DE (199 28 337.0) 1999-06-21  
[30] DE (199 48 183.0) 1999-10-06

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[21] **2,312,236**  
[13] A1

[51] **Int.Cl. 7A61K 7/50 7A61K 7/02 7A61K 7/15**  
[25] EN  
[54] **FOAMING OIL GEL COMPOSITIONS**  
[54] **COMPOSITIONS DE MOUSSE DE GEL DE PETROLE**  
[72] SANTORA, DELORES M., US  
[72] HOPKINS, JOHN, US  
[72] MCCULLOCH, LAURA J., US  
[71] JOHNSON & JOHNSON CONSUMER COMPANIES, INC., US  
[22] 2000-06-22  
[43] 2000-12-23  
[30] US (60/140,605) 1999-06-23

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[21] **2,312,247**  
[13] A1

[51] **Int.Cl. 7B01D 71/02 7C04B 35/622**  
[25] EN  
[54] **CERAMIC MEMBRANE**  
[54] **MEMBRANE EN CERAMIQUE**  
[72] PEICHEV, VIKTOR GEORGIEVICH, RU  
[72] DJEIRANISHVILI, NOUGZAR, RU  
[72] PLINER, SERGEI YURYEVICH, RU  
[71] STERIOX MEDICAL (EUROPE) LIMITED, GB  
[22] 2000-06-22  
[43] 2000-12-22  
[30] GB (99/14396.8) 1999-06-22

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[13] A1

[51] **Int.Cl. 7H04Q 7/36 7H04Q 7/34 7H04B 1/76**  
[25] EN  
[54] **METHOD AND APPARATUS FOR MOBILE ASSISTED DETECTION OF A TRANSMISSION FAULT ON THE ABIS INTERFACE OF A MOBILE TELECOMMUNICATIONS NETWORK**  
[54] **METHODE ET DISPOSITIF DE DETECTION ASSISTEE MOBILE DE DEFAUT DE TRANSMISSION A L'INTERFACE ABIS D'UN RESEAU DE TELECOMMUNICATIONS MOBILE**  
[72] COUAILLET, BERTRAND, FR  
[71] NORTEL MATRA CELLULAR, FR  
[22] 2000-06-22  
[43] 2000-12-23  
[30] EP (99401551.9) 1999-06-23

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[21] **2,312,254**  
[13] A1

[51] **Int.Cl. 7H02K 13/00**  
[25] FR  
[54] **MODULE DE COMMUTATION MULTIPOLAIRE**  
[54] **MULTIPOLE SWITCHING MODULE**  
[72] ROMILLON, JEAN-MARC, FR  
[72] FOURNIER, BERNARD, FR  
[71] SCHNEIDER ELECTRIC INDUSTRIES SA, FR  
[22] 2000-06-16  
[43] 2000-12-18  
[30] FR (99 07 879) 1999-06-18  
[30] FR (00 05 670) 2000-05-02

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[21] **2,312,301**  
[13] A1

[51] **Int.Cl. 7D21F 1/08 7D21F 1/66**  
[25] EN  
[54] **PROCESS AND APPARATUS FOR METERED DILUTION OF FIBROUS MATERIAL SUSPENSION IN OR IN FRONT OF A MATERIAL INTAKE OF A PAPER MACHINE**  
[54] **PROCEDE ET APPAREIL POUR LA DILUTION DOSEE DE SUSPENSION DE MATIERES FIBREUSES DANS OU DEVANT UNE PRISE DE MATIERE D'UNE MACHINE A PAPIER**  
[72] SCHWARZ, MICHAEL, DE  
[71] VOITH SULZER PAPIERTECHNIK PATENT GMBH, DE  
[22] 2000-06-20  
[43] 2000-12-22  
[30] DE (199 28 488.1) 1999-06-22

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[21] **2,312,309**  
[13] A1

[51] **Int.Cl. 7F01N 9/00 7F01N 3/02**  
[25] EN  
[54] **METHOD AND SYSTEM FOR CONTROLLING FEEDGAS HEAT PROVIDED TO AN AUTOMOTIVE ENGINE EXHAUST AFTER TREATMENT DEVICE**  
[54] **METHODE ET SYSTEME DE COMMANDE THERMIQUE DES GAZ ALIMENTANT UN DISPOSITIF DE POST-TRAITEMENT DES GAZ D'ECHAPPEMENT DE MOTEUR AUTOMOBILE**  
[72] CARBERRY, BRENDAN, DE  
[72] CHRISTEN, URS, DE  
[72] CHEVALIER, ALAIN, BE  
[71] FORD GLOBAL TECHNOLOGIES, INC., US  
[22] 2000-06-20  
[43] 2000-12-21  
[30] US (09/337,390) 1999-06-21

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[21] **2,312,311**  
[13] A1

[51] **Int.Cl. 7G08B 21/18**  
[25] EN  
[54] **GARAGE DOOR STATUS INDICATOR KIT**  
[54] **NECESSAIRE D'INDICATEUR DE POSITION POUR PORTE DE GARAGE**  
[72] STEIMLE, WILFRED ALEXANDER, CA  
[72] GOODMAN, AARON GARY, CA  
[71] GOODMAN, AARON GARY, CA  
[22] 2000-06-20  
[43] 2000-12-21  
[30] CA (2,275,786) 1999-06-21

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[21] **2,312,330**  
[13] A1

[51] **Int.Cl. 7A61C 19/00 7G09F 9/30**  
[25] EN  
[54] **DENTAL APPARATUS WITH DISPLAY**  
[54] **DISPOSITIF D'AFFICHAGE DENTAIRE**  
[72] ROHNER, GOTTFRIED, CH  
[72] SENN, BRUNO, CH  
[71] IVOCLAR AG, LI  
[22] 2000-06-21  
[43] 2000-12-23  
[30] DE (P 199 28 805.4) 1999-06-23

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[21] **2,312,331**  
[13] A1

[51] **Int.Cl. 7H04L 9/30 7H04L 9/32**  
[25] EN  
[54] **PUBLIC KEY ENCRYPTION WITH DIGITAL SIGNATURE SCHEME**  
[54] **CRYPTAGE A CLE PUBLIQUE AVEC TECHNIQUE DE SIGNATURE NUMERIQUE**  
[72] LITTLE, HERB A., CA  
[71] RESEARCH IN MOTION LIMITED, CA  
[22] 2000-06-21  
[43] 2000-12-23  
[30] US (60/140,564) 1999-06-23

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[21] **2,312,349**  
[13] A1

[51] **Int.Cl. 7H03L 7/085**  
[25] EN  
[54] **INTEGRATED CIRCUIT PHASE-LOCKED LOOP CHARGE PUMP**  
[54] **POMPE DE CHARGE AVEC BOUCLE A PHASE ASSERVIE A CIRCUIT INTEGRE**  
[72] BURZIO, MARCO, IT  
[72] BALISTRERI, EMANUELE, IT  
[71] CSELT - CENTRO STUDI E LABORATORI TELECOMUNICAZIONI S.P.A., IT  
[22] 2000-06-21  
[43] 2000-12-22  
[30] IT (TO99A 000532) 1999-06-22

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[21] **2,312,380**  
[13] A1

[51] **Int.Cl. 7H01R 4/66**  
[25] EN  
[54] **PUSH PIN GROUND**  
[54] **BROCHE DE MISE A LA TERRE PAR PRESSION**  
[72] BARNES, RICHARD LEWIS JR., US  
[72] OLEKSIK, GREGORY JOHN, US  
[71] AMPHENOL CORPORATION, US  
[22] 2000-06-21  
[43] 2000-12-23  
[30] US (09/338,494) 1999-06-23

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[21] **2,312,385**  
[13] A1

[51] **Int.Cl. 7C07C 229/34 7C07C 269/06 7C07C 311/19 7C07C 319/20 7C07C 271/22 7C07C 227/26 7C07C 311/29 7C07C 253/30 7C07C 255/38 7C07C 303/40 7C07D 209/48 7C07C 323/58 7C07D 209/66**  
[25] EN  
[54] **PROCESS FOR PRODUCING ERYTHRO-3-AMINO-2-HYDROXYBUTYRIC ACID DERIVATIVES**  
[54] **PROCEDE POUR LA PRODUCTION DE DERIVES D'ACIDE ERYTHRO-3-AMINO-2-HYDROXYBUTYRIQUE**  
[72] YAEGASHI, KEISUKE, JP  
[72] FURUKAWA, YOSHIRO, JP  
[72] HINOUE, KAZUMASA, JP  
[71] DAISO CO., LTD., JP  
[22] 2000-06-21  
[43] 2000-12-22  
[30] JP (11-174967) 1999-06-22

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[21] **2,312,411**  
[13] A1

[51] **Int.Cl. 7E01F 15/08 7E01F 15/00**  
[25] FR  
[54] **DISPOSITIF D'INTERRUPTION DE TERRE-PLEIN CENTRAL**  
[54] **MEDIAN STRIP CUT-OFF DEVICE**  
[72] OTTAVI, CAROLINE, FR  
[72] OLIVE, RAYMOND, FR  
[72] CALVIN, PIERRE, FR  
[71] COLAS, FR  
[22] 2000-06-16  
[43] 2000-12-18  
[30] FR (99 07781) 1999-06-18

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[21] **2,312,413**  
[13] A1

[51] **Int.Cl. 7C11D 17/08 7C11D 3/43 7C11D 7/50**  
[25] FR  
[54] **COMPOSITIONS DE NETTOYAGE A FROID DU TYPE MICROEMULSIONS**  
[54] **COLD CLEANING MICROEMULSION COMPOSITIONS**  
[72] MICHAUD, PASCAL, FR  
[72] BROCHETTE, PASCAL, FR  
[72] MARTIN, JEAN-JACQUES, FR  
[71] ATOFINA, FR  
[22] 2000-06-19  
[43] 2000-12-21  
[30] FR (99 07 848) 1999-06-21

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[21] **2,312,414**  
[13] A1

[51] **Int.Cl. 7A61F 2/32**  
[25] FR  
[54] **MATERIEL PROTHETIQUE OU D'OSTEOSYNTHESE ET PROCEDE DE FABRICATION D'UN TEL MATERIEL**  
[54] **PROSTHETIC OR OSTEOSYNTHESIS MATERIAL AND PROCESS FOR MANUFACTURING SUCH MATERIAL**  
[72] NESME-GAUTHIER, MARIE CORINNE, FR  
[71] NESME-GAUTHIER, MARIE CORINNE, FR  
[22] 2000-06-21  
[43] 2000-12-23  
[30] FR (99 08 196) 1999-06-23

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[21] **2,312,415**  
[13] A1

[51] **Int.Cl. 7H01J 29/07**  
[25] FR  
[54] **DISPOSITIF DE MASQUAGE POUR TUBE CATHODIQUE DE VISUALISATION EN COULEUR A ECRAN PLAT, DU TYPE COMPRENANT UN CADRE SUPPORT POUR MASQUE D'OMBRE TENDU ET MASQUE D'OMBRE TENDU**  
[54] **MASKING DEVICE FOR A FLAT-SCREEN COLOUR DISPLAY TUBE OF THE TYPE INCLUDING A TENSIONED SHADOW MASK SUPPORT FRAME AND TENSIONED SHADOW MASK**  
[72] COZAR, RICARDO, FR  
[72] REYAL, JEAN-PIERRE, FR  
[72] REYDET, PIERRE-LOUIS, FR  
[71] IMPHY UGINE PRECISION, FR  
[22] 2000-06-21  
[43] 2000-12-22  
[30] FR (99 07 909) 1999-06-22

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[21] **2,312,416**  
[13] A1

[51] **Int.Cl. 7C07C 49/603 7C07C 45/67**  
[25] FR  
[54] **PROCEDE CONTINU DE FABRICATION DE 3,5,5-TRIMETHYLCYCLOHEXA-3-EN-1-ONE(B-ISOPHORONE)**  
[54] **CONTINUOUS PROCESS FOR MANUFACTURING 3,5,5-TRIMETHYLCYCLOHEXA-3-EN-1-ONE(B-ISOPHORONE)**  
[72] MARTINO-GAUCHI, GEORGES, FR  
[72] TEISSIER, REMY, FR  
[71] ATOFINA, FR  
[22] 2000-06-21  
[43] 2000-12-22  
[30] FR (99 07 920) 1999-06-22

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[21] **2,312,417**  
[13] A1

[51] **Int.Cl. 7C07C 49/603 7C07C 45/67**  
[25] FR  
[54] **PROCEDE CONTINU DE FABRICATION DE 3,5,5-TRIMETHYLCYCLOHEXA-3-EN-1-ONE(B-ISOPHORONE)**  
[54] **CONTINUOUS PROCESS FOR MANUFACTURING 3,5,5-TRIMETHYLCYCLOHEXA-3-EN-1-ONE(B-ISOPHORONE)**  
[72] TEISSIER, REMY, FR  
[72] MONGENET, FRANCOIS, FR  
[71] ATOFINA, FR  
[22] 2000-06-21  
[43] 2000-12-22  
[30] FR (99 07 919) 1999-06-22

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[21] **2,312,432**  
[13] A1

[51] **Int.Cl. 7A61K 31/38 7A61P 1/00 7A61K 31/40**  
[25] FR  
[54] **UTILISATION DE LIGANDS MELATONINERGIQUES POUR L'OBTENTION DE COMPOSITIONS PHARMACEUTIQUES DESTINEES A LA PREVENTION OU AU TRAITEMENT DES PATHOLOGIES DU SYSTEME GASTROINTESTINAL**  
[54] **USE OF MELATONINERGIC LIGANDS TO OBTAIN PHARMACEUTICAL COMPOSITIONS FOR THE PREVENTION OR TREATMENT OF PATHOLOGIES IN THE GASTROINTESTINAL SYSTEM**  
[72] PELLISSIER, SONIA, FR  
[72] MERLE, ANNE, FR  
[72] RENARD, PIERRE, FR  
[72] DELAGRANGE, PHILIPPE, FR  
[72] BENNEJEAN, CAROLINE, FR  
[71] ADIR ET COMPAGNIE, FR  
[22] 2000-06-22  
[43] 2000-12-23  
[30] FR (99.08019) 1999-06-23

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[21] **2,312,435**  
[13] A1

[51] **Int.Cl. 7B30B 15/06**  
[25] EN  
[54] **PRESS FOR EXTERNAL HIGH-PRESSURE FORMING**  
[54] **PRESSE DE FORMAGE PAR PRESSION EXTERIEURE ELEVEE**  
[72] HERMANN, ULRICH, DE  
[72] BEYER, JOACHIM, DE  
[71] MUELLER WEINGARTEN AG, DE  
[22] 2000-06-20  
[43] 2000-12-23  
[30] DE (199 28 422.9) 1999-06-23

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[21] **2,312,446**  
[13] A1

[51] **Int.Cl. 7H01M 8/10**  
[25] EN  
[54] **ACTIVE SOLID POLYMER ELECTROLYTE MEMBRANE IN SOLID POLYMER TYPE FUEL CELL AND PROCESS FOR THE PRODUCTION THEREOF**  
[54] **MEMBRANE ELECTROLYTE, POLYMERE, SOLIDE, ACTIVE DANS UNE PILE A COMBUSTIBLE DE TYPE POLYMERE SOLIDE ET PROCEDE POUR SA PRODUCTION**  
[72] SAITO, NOBUHIRO, JP  
[72] TERADA, KAZUhide, JP  
[72] FUKUDA, KAORU, JP  
[71] HONDA GIKEN KOGYO KABUSHIKI KAISHA, JP  
[22] 2000-06-20  
[43] 2000-12-21  
[30] JP (11-174640) 1999-06-21  
[30] JP (11-174641) 1999-06-21

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[21] **2,312,453**  
[13] A1

[51] **Int.Cl. 7G01N 23/20 7B60K 35/00 7B60Q 9/00 7B60Q 11/00 7G01W 1/00**  
[25] EN  
[54] **VEHICLE MOUNTED TRAVEL SURFACE AND WEATHER CONDITION MONITORING SYSTEM**  
[54] **SYSTEME DE CONTROLE D'ETAT DES ROUTES ET DES CONDITIONS METEOROLOGIQUES MONTE SUR VEHICULE**  
[72] DOHERTY, JOHN A., US  
[71] DOHERTY, JOHN A., US  
[22] 2000-06-21  
[43] 2000-12-22  
[30] US (09/337,984) 1999-06-22

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[13] A1

[51] **Int.Cl. 7G06F 3/14 7G06K 19/06 7G06F 3/08**  
[25] EN  
[54] **ELECTRONIC TIME CARD SYSTEM AND METHOD FOR RECORDING AND TRACKING TIME AND ATTENDANCE OF EMPLOYEES**  
[54] **SYSTEME A CARTES DE POINTAGE ELECTRONIQUE ET METHODE D'ENREGISTREMENT ET DE SUIVI DE L'HEURE ET DE LA PRESENCE DES EMPLOYES**  
[72] BISHOP, MICHAEL L., US  
[71] LATHEM TIME, INC., US  
[22] 2000-06-21  
[43] 2000-12-21  
[30] US (60/140,167) 1999-06-21

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[21] **2,312,459**  
[13] A1

[51] **Int.Cl. 7H01R 13/66 7H01R 13/719**  
[25] EN  
[54] **MODULAR JACK WITH FILTER INSERT AND CONTACT THEREFOR**  
[54] **JACK MODULAIRE AVEC INSERT DE FILTRAGE ET CONTACTS CONNEXES**  
[72] MARSHALL, ROBERT E., US  
[72] BELOPOLSKY, YAKOV, US  
[71] BERG TECHNOLOGY, INC., US  
[22] 2000-06-20  
[43] 2000-12-22  
[30] US (09/338,354) 1999-06-22

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[21] **2,312,461**  
[13] A1

[51] **Int.Cl. 7A23L 1/31**  
[25] EN  
[54] **BACON CHIPS AND PATTIES**  
[54] **CROUSTILLES ET GALETTES DE BACON**  
[72] PAULOS, WILLIAM THEODORE, US  
[72] CHOATE, GREGORY KENT, US  
[71] KRAFT FOODS, INC., US  
[22] 2000-06-20  
[43] 2000-12-22  
[30] US (338,159) 1999-06-22

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[21] **2,312,462**  
[13] A1

[51] **Int.Cl. 7C08G 18/80 7C09D 5/44 7C09D 5/46**  
[25] EN  
[54] **EPOXY-TERMINATED POLYADDITION COMPOUNDS CONTAINING URETDIONE GROUPS, PROCESSES FOR REPARING THEM AND THEIR USE**  
[54] **COMPOSES DE POLYADDITION A GROUPES TERMINAUX EPOXY CONTENANT DES GROUPES URETDIONE, METHODES DE PREPARATION DE CES COMPOSES ET UTILISATIONS**  
[72] WENNING, ANDREAS, DE  
[71] DEGUSSA-HULS AKTIENGESELLSCHAFT, DE  
[22] 2000-06-20  
[43] 2000-12-22  
[30] DE (19928290.0) 1999-06-22

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[21] **2,312,604**  
[13] A1

[51] **Int.Cl. 7F01P 5/10 7F01M 5/00 7F01M 1/02 7F01M 11/03**  
[25] EN  
[54] **IMPROVEMENTS IN PUMP HOUSINGS FOR INTERNAL COMBUSTION ENGINES**  
[54] **AMELIORATIONS AUX CORPS DE POMPE DES MOTEURS A COMBUSTION INTERNE**  
[72] SAYERS, JONATHAN ALAN, GB  
[71] CONCENTRIC PUMPS LIMITED, GB  
[22] 2000-06-23  
[43] 2000-12-23  
[30] GB (9914696.1) 1999-06-23  
[30] GB (9917122.5) 1999-07-21

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[21] **2,316,009**  
[13] A1

[51] **Int.Cl. 7G06F 17/60 7H04L 12/16**  
[25] EN  
[54] **SYSTEM AND METHOD FOR REMOTE MERCHANDISING**  
[54] **SYSTEME ET METHODE DE TELEMARCHANDISAGE**  
[72] AMIRI, AHMAD, CA  
[71] AMIRI, AHMAD, CA  
[22] 2000-06-16  
[43] 2000-12-17  
[30] US (60/139,487) 1999-06-17

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[21] **2,318,897**  
[13] A1  
[51] **Int.Cl. 7E21B 43/116 7F42B 1/032**  
[25] EN  
[54] **SHAPED-CHARGE LINER**  
[54] **REVETEMENT DU CONE DE CHARGE CREUSE**  
[72] WESSON, DAVID S., US  
[72] ROUSE, JOHN K., US  
[72] PRATT, DAN W., US  
[71] OWEN OIL TOOLS, INC., US  
[85] 2000-07-26  
[86] 1999-04-26 (PCT/US99/08933)  
[87] 2000-03-09 (WO00/12858)  
[30] US (60/083,931) 1998-05-01  
[30] US (09/295,685) 1999-04-21

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[21] **2,318,938**  
[13] A1  
[51] **Int.Cl. 7B60P 1/54**  
[25] EN  
[54] **APPARATUS FOR LOADING, TRANSPORTING, AND STACKING BALES**  
[54] **APPAREIL DE CHARGEMENT, DE TRANSPORT ET D'EMPILAGE DE BOTTES**  
[72] SMART, RANDALL C., US  
[71] JUSTICE ENTERPRISES, INC., US  
[85] 2000-05-29  
[86] 1999-09-28 (PCT/US99/22456)  
[87] 2000-03-29 (WO00/64236)  
[30] US (09/162,882) 1998-09-29

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[21] **2,322,728**  
[13] A1  
[51] **Int.Cl. 6C07K 14/435 6C12N 5/00 6C12N 15/12 6C12N 1/21 6C07K 14/47 6C12N 15/63**  
[25] EN  
[54] **31 HUMAN SECRETED PROTEINS**  
[54] **31 PROTEINES HUMAINES SECRETEES**  
[72] YOUNG, PAUL E., US  
[72] NI, JIAN, US  
[72] YU, GUO-LIANG, US  
[72] FLORENCE, CHARLES, US  
[72] ROSEN, CRAIG A., US  
[72] RUBEN, STEVEN M., US  
[72] FERRIE, ANN M., US  
[71] HUMAN GENOME SCIENCES, INC., US  
[85] 2000-09-06  
[86] 1999-03-11 (PCT/US99/05721)  
[87] 1999-09-16 (WO99/46289)  
[30] US (60/077,686) 1998-03-12  
[30] US (60/077,687) 1998-03-12  
[30] US (60/077,696) 1998-03-12  
[30] US (60/077,714) 1998-03-12

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[21] **2,322,784**  
[13] A1  
[51] **Int.Cl. 6G06K 19/07 6G06K 7/00 6G06K 1/12**  
[25] EN  
[54] **ELECTRONIC TAG**  
[54] **ETIQUETTE ELECTRONIQUE**  
[72] ASHWIN, TERRENCE KEITH, ZA  
[71] KONISA LIMITED, GB  
[85] 2000-09-01  
[86] 1999-03-01 (PCT/GB99/00610)  
[87] 1999-09-10 (WO99/45500)  
[30] ZA (98/1719) 1998-03-02

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[21] **2,323,062**  
[13] A1  
[51] **Int.Cl. 6A61K 9/16 6B01J 2/30 6A61K 39/40**  
[25] EN  
[54] **COLONIC DELIVERY OF PROTEIN OR PEPTIDE COMPOSITIONS**  
[54] **APPORT DE COMPOSITIONS PROTEIQUES OU PEPTIDIQUES DANS LE COLON**  
[72] CRABB, JOSEPH H., US  
[72] LUCK, MICHAEL S., US  
[71] IMMUCELL CORPORATION, US  
[85] 2000-09-08  
[86] 1999-02-26 (PCT/US99/04366)  
[87] 1999-09-16 (WO99/45903)  
[30] US (09/037,647) 1998-03-10

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[21] **2,323,063**  
[13] A1  
[51] **Int.Cl. 6C07K 5/06 6A01K 67/027 6C07K 5/08 6A61K 38/55 6G01N 33/68 6C07K 14/705**  
[25] EN  
[54] **USE OF INHIBITORS OF MAMMALIAN ASPARAGINYL ENDOPEPTIDASE FOR THERAPY OF AUTOIMMUNE DISEASE**  
[54] **UTILISATION D'INHIBITEURS D'ASPARAGINYL ENDOPEPTIDASE DE MAMMIFERE POUR TRAITER UNE MALADIE AUTO-IMMUNE**  
[72] WATTS, COLIN, GB  
[71] UNIVERSITY OF DUNDEE, GB  
[85] 2000-09-15  
[86] 1999-03-26 (PCT/GB99/00963)  
[87] 1999-09-30 (WO99/48910)  
[30] GB (9806442.1) 1998-03-26  
[30] US (60/086,966) 1998-05-28

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[21] **2,323,229**  
[13] A1  
[51] **Int.Cl. 6C12Q 1/68 6B01L 7/00**  
[25] EN  
[54] **MULTI-ZONE POLYMERASE/  
LIGASE CHAIN REACTION**  
[54] **REACTION EN CHAINE LIGASE/  
POLYMERASE MULTI-ZONE**  
[72] HODKINSON, ROGER GRANT, CA  
[72] VINAYAGAMOORTHY,  
THURAIAYAH, CA  
[71] HODKINSON, ROGER GRANT, CA  
[71] VINAYAGAMOORTHY,  
THURAIAYAH, CA  
[85] 2000-09-05  
[86] 1999-03-05 (PCT/CA99/00182)  
[87] 1999-09-10 (WO99/45141)  
[30] US (09/035,091) 1998-03-05

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[21] **2,323,231**  
[13] A1  
[51] **Int.Cl. 6C12Q 1/68**  
[25] FR  
[54] **CRIBLAGE DIFFERENTIEL  
QUALITATIF**  
[54] **QUALITATIVE DIFFERENTIAL  
SCREENING**  
[72] SCHWEIGHOFFER, FABIEN, FR  
[72] TOCQUE, BRUNO, FR  
[72] BRACCO, LAURENT, FR  
[71] EXONHIT THERAPEUTICS S.A., FR  
[85] 2000-09-06  
[86] 1999-03-11 (PCT/FR99/00547)  
[87] 1999-09-16 (WO99/46403)  
[30] FR (98/02997) 1998-03-11  
[30] US (09/046,920 (CIP)) 1998-03-24

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[21] **2,323,232**  
[13] A1  
[51] **Int.Cl. 6A01N 37/18 6A61K 39/00  
6C07K 1/00 6A01N 63/00 6C07H 21/02  
6C12N 5/02 6C07H 21/04 6A01N 43/04  
6C12N 5/06 6A61K 35/12 6A61K 35/36  
6A61K 31/70**  
[25] EN  
[54] **COMPOSITIONS AND METHODS  
FOR ANTIGEN-SPECIFIC  
VACCINATION**  
[54] **COMPOSITIONS ET METHODES  
DE VACCINATION SPECIFIQUE DE  
L'ANTIGENE**  
[72] NICOLETTE, CHARLES A., US  
[71] GENZYME CORPORATION, US  
[85] 2000-09-06  
[86] 1999-03-19 (PCT/US99/06034)  
[87] 1999-09-23 (WO99/46988)  
[30] US (60/078,890) 1998-03-20

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[21] **2,323,235**  
[13] A1  
[51] **Int.Cl. 6C12N 15/86 6A61K 48/00  
6C12N 15/28 6C12N 15/55**  
[25] EN  
[54] **ADENOVIRAL VECTORS FOR  
TREATING DISEASE**  
[54] **VECTEURS ADENOVIRAUX  
DESTINES AU TRAITEMENT DE  
MALADIES**  
[72] JOHNSON, LEISA, US  
[72] HAWKINS, LYNDA K., US  
[72] HERMISTON, TERRY, US  
[71] ONYX PHARMACEUTICALS, INC.,  
US  
[85] 2000-09-06  
[86] 1999-04-19 (PCT/US99/08656)  
[87] 1999-11-04 (WO99/55831)  
[30] US (60/083,033) 1998-04-24  
[30] US (60/117,103) 1999-01-25

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[21] **2,323,236**  
[13] A1  
[51] **Int.Cl. 6C12N 15/12 6A61K 35/00  
6C07K 16/28 6G01N 33/68 6C12Q 1/68  
6C07K 14/715**  
[25] EN  
[54] **HUMAN RECEPTOR PROTEINS;  
RELATED REAGENTS AND METHODS**  
[54] **PROTEINES RECEPTRICES  
HUMAINES; REACTIFS ET PROCEDES  
ASSOCIES**  
[72] BAZAN, J. FERNANDO, US  
[72] MURGOLO, NICHOLAS J., US  
[72] MOORE, KEVIN W., US  
[72] PARHAM, CHRISTI L., US  
[71] SCHERING CORPORATION, US  
[85] 2000-09-07  
[86] 1999-03-08 (PCT/US99/03735)  
[87] 1999-09-16 (WO99/46379)  
[30] US (09/037,394) 1998-03-09

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[21] **2,323,237**  
[13] A1  
[51] **Int.Cl. 6A61K 38/08 6C12N 5/00  
6C07K 7/14**  
[25] EN  
[54] **IMPROVED RADIATION  
THERAPY METHODS**  
[54] **METHODES AMELIOREES DE  
RADIOTHERAPIE**  
[72] RODGERS, KATHLEEN E., US  
[72] DIZEREGA, GERE, US  
[71] RODGERS, KATHLEEN E., US  
[71] DIZEREGA, GERE, US  
[71] UNIVERSITY OF SOUTHERN  
CALIFORNIA, US  
[85] 2000-09-08  
[86] 1999-03-08 (PCT/US99/05194)  
[87] 1999-09-16 (WO99/45945)  
[30] US (60/077,382) 1998-03-10  
[30] US (60/081,262) 1998-04-09  
[30] US (60/083,670) 1998-04-30  
[30] US (60/090,096) 1998-06-19  
[30] US (60/090,216) 1998-06-22  
[30] US (60/099,957) 1998-09-11

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[21] **2,323,238**  
[13] A1  
[51] **Int.Cl. 6G01N 33/564 6A61K 38/17  
6C07K 16/18 6A61K 39/395 6C07K 14/47  
6G01N 33/68 6A61K 31/70**  
[25] EN  
[54] **METHODS AND COMPOSITIONS  
FOR DIAGNOSIS OF RHEUMATOID  
ARTHRITIS**  
[54] **PROCEDES ET COMPOSITIONS  
POUR LE DIAGNOSTIC DE LA  
POLYARTHRITE RHUMATOIDE**  
[72] PATEL, THAKORBHAI  
PARSHOTAMBHAI, GB  
[72] TOWNSEND, ROBERT REID, GB  
[72] PAREKH, RAJESH BHIKHU, GB  
[71] OXFORD GLYCOSCIENCES (UK)  
LTD., GB  
[85] 2000-09-12  
[86] 1999-03-15 (PCT/GB99/00763)  
[87] 1999-09-23 (WO99/47925)  
[30] GB (9805477.8) 1998-03-13

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[21] **2,323,239**  
[13] A1

[51] **Int.Cl. 6C07K 7/06 6A61K 38/08**  
[25] EN  
[54] **NOVEL MATRIX METALLOPROTEINASE INHIBITORS AND DOWN-REGULATORS**  
[54] **NOUVEAUX INHIBITEURS ET REGULATEURS NEGATIFS DE METALLOPROTEINASES MATRICIELLES**  
[72] KOIVUNEN, ERKKI, FI  
[72] SORSA, TIMO, FI  
[72] SALO, TUULA, FI  
[71] HELSINKI UNIVERSITY LICENSING LTD. OY, FI  
[85] 2000-09-15  
[86] 1999-03-17 (PCT/FI99/00204)  
[87] 1999-09-23 (WO99/47550)  
[30] FI (980604) 1998-03-18

[21] **2,323,440**  
[13] A1

[51] **Int.Cl. 7A61K 51/00**  
[25] EN  
[54] **RADIOACTIVABLE COMPOSITION SUITABLE FOR FABRICATION OF IMPLANTABLE MEDICAL DEVICES**  
[54] **COMPOSITION POUVANT ETRE RADIOACTIVEE CONVENANT POUR LA FABRICATION DE DISPOSITIFS MEDICAUX IMPLANTABLES**  
[72] SATZ, STANLEY, US  
[71] BIONUCLEONICS, INC., US  
[85] 2000-09-08  
[86] 1999-03-10 (PCT/US99/05036)  
[87] 1999-10-14 (WO99/51299)  
[30] US (09/038,560) 1998-03-11

[21] **2,323,501**  
[13] A1

[51] **Int.Cl. 6C12N 15/11 6A61K 38/17 6C07K 16/18 6C07K 14/47 6G01N 33/50 6C12Q 1/68**  
[25] EN  
[54] **COMPOUNDS RELATED TO PAP-1**  
[54] **COMPOSE APPARENTE A PAP-1**  
[72] VINALS-BASSOLS, CARLOTA, BE  
[72] COCHE, THIERRY, BE  
[72] CASSART, JEAN-POL, BE  
[72] BRUCK, CLAUDINE ELVIRE MARIE, BE  
[71] SMITHKLINE BEECHAM BIOLOGICALS S.A., BE  
[85] 2000-09-18  
[86] 1999-03-17 (PCT/EP99/01892)  
[87] 1999-09-30 (WO99/49030)  
[30] GB (9806164.1) 1998-03-20

[21] **2,323,503**  
[13] A1

[51] **Int.Cl. 6C07K 14/47 6C12P 21/02 6C12N 15/12 6A61K 38/17 6C07K 16/18**  
[25] EN  
[54] **NOVEL PHYSIOLOGICALLY ACTIVE PEPTIDES AND UTILIZATION THEREOF**  
[54] **NOUVEAUX PEPTIDES A ACTIVITE PHYSIOLOGIQUE ET LEUR UTILISATION**  
[72] OGI, KAZUHIRO, JP  
[72] KITADA, CHIEKO, JP  
[72] MATSUI, HIDEKI, JP  
[72] ISHIBASHI, YOSHIHIRO, JP  
[72] OHTAKI, TETSUYA, JP  
[71] TAKEDA CHEMICAL INDUSTRIES, LTD., JP  
[85] 2000-09-20  
[86] 1999-03-24 (PCT/JP99/01482)  
[87] 1999-09-30 (WO99/48920)  
[30] JP (10-078139) 1998-03-25  
[30] JP (10-266972) 1998-09-21

[21] **2,323,506**  
[13] A1

[51] **Int.Cl. 6C12N 15/12 6C07K 14/00 6C12N 5/10 6C07K 16/18**  
[25] EN  
[54] **MAMMALIAN BLOOD LOSS-INDUCED GENE, KD312**  
[54] **GENE MAMMALIEN KD312 INDUIT PAR PERTE SANGUINE**  
[72] YEN, KWANG-MU, US  
[71] AMGEN INC., US  
[85] 2000-09-25  
[86] 1999-03-30 (PCT/US99/06993)  
[87] 1999-10-07 (WO99/50288)  
[30] US (09/053,374) 1998-03-31

[21] **2,323,514**  
[13] A1

[51] **Int.Cl. 6G01N 33/68 6C07K 14/47**  
[25] EN  
[54] **METHOD TO IDENTIFY MODULATORS OF SURVIVIN - TUBULIN INTERACTION**  
[54] **METHODE DE MODULATION SELECTIVE DES INTERACTIONS ENTRE SURVIVINE ET TUBULINE**  
[72] ALTIERI, DARIO C., US  
[71] YALE UNIVERSITY, US  
[85] 2000-09-21  
[86] 1999-04-01 (PCT/US99/07205)  
[87] 1999-10-07 (WO99/50440)  
[30] US (60/080,288) 1998-04-01

[21] **2,323,524**  
[13] A1

[51] **Int.Cl. 6C07K 14/705 6C12N 15/10 6C12N 15/11 6C12N 15/12 6A61K 38/17 6C07K 16/18**  
[25] EN  
[54] **NK CELL ACTIVATION INDUCING LIGAND (NAIL) DNA AND POLYPEPTIDES, AND USE THEREOF**  
[54] **ADN ET POLYPEPTIDES DU LIGAND INDUCTEUR D'ACTIVATION DE CELLULES NK (NAIL), ET UTILISATION DE CEUX-CI**  
[72] KUBIN, MAREK Z., US  
[72] GOODWIN, RAYMOND G., US  
[71] IMMUNEX CORPORATION, US  
[85] 2000-09-19  
[86] 1999-03-23 (PCT/US99/06215)  
[87] 1999-10-07 (WO99/50297)  
[30] US (60/079,845) 1998-03-27  
[30] US (60/096,750) 1998-08-17

[21] **2,323,525**  
[13] A1

[51] **Int.Cl. 6C12Q 1/68 6A61K 48/00 6C07K 16/00 6C07H 21/04 6C12N 15/11 6A61K 39/395 6G01N 33/53 6C12N 15/85**  
[25] EN  
[54] **THERAPEUTIC AND DIAGNOSTIC APPLICATIONS BASED ON THE ROLE OF THE CXCR-4 GENE IN TUMORIGENESIS**  
[54] **APPLICATIONS THERAPEUTIQUES ET DIAGNOSTIQUES BASEES SUR LE ROLE DU GENE CXCR-4 DANS L'ONCOGENESE**  
[72] SEHGAL, ANIL, US  
[72] BOYNTON, ALTON L., US  
[72] MURPHY, GERALD P., US  
[71] NORTHWEST BIOTHERAPEUTICS, INC., US  
[85] 2000-09-19  
[86] 1999-03-29 (PCT/US99/07431)  
[87] 1999-10-07 (WO99/50461)  
[30] US (60/079,916) 1998-03-30  
[30] US (60/104,656) 1998-10-16



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[21] **2,323,526**  
[13] A1

[51] **Int.Cl. 6C07K 14/025 6A61K 39/12 6G01N 33/569**

[25] EN

[54] **FORMULATION HAVING A PAPILLOMA VIRUS-SPECIFIC PROTEIN, AND THE PRODUCTION AND USE THEREOF**

[54] **FORMULATION CONTENANT UNE PROTEINE SPECIFIQUE DES PAPILLOMAVIRUS, SA FABRICATION ET SON UTILISATION**

[72] GABELSBERGER, JOSEF, DE

[72] BURGER, ALEXANDER, DE

[71] MEDIGENE

AKTIENGESELLSCHAFT, DE

[85] 2000-09-22

[86] 1999-03-24 (PCT/EP99/01999)

[87] 1999-09-30 (WO99/48917)

[30] DE (198 12 940.8) 1998-03-24

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[21] **2,323,570**  
[13] A1

[51] **Int.Cl. 6C12N 15/11 6A01K 67/027**

[25] EN

[54] **PRODUCTION OF BIOFILAMENTS IN TRANSGENIC ANIMALS**

[54] **PRODUCTION DE BIOFILAMENTS CHEZ DES ANIMAUX TRANSGENIQUES**

[72] KARATZAS, ANTHOULA-LAZARIS, CA

[72] TURNER, JEFFREY DONALD, CA

[72] KARATZAS, COSTAS N., CA

[71] NEXIA BIOTECHNOLOGIES, INC., CA

[85] 2000-09-14

[86] 1999-03-12 (PCT/IB99/00763)

[87] 1999-09-23 (WO99/47661)

[30] US (09/040,518) 1998-03-17

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[21] **2,323,571**  
[13] A1

[51] **Int.Cl. 6C12N 15/12 6A61K 48/00 6A61K 38/17 6C07K 16/28 6G01N 33/50 6C12Q 1/68 6C07K 14/705**

[25] EN

[54] **HUMAN K+ ION CHANNEL AND THERAPEUTIC APPLICATIONS THEREOF**

[54] **CANAL IONIQUE K+ HUMAIN ET SES APPLICATIONS THERAPEUTIQUES**

[72] DEL CAMINO FERNANDEZ-MIRANDA, DONATO, US

[72] SANCHEZ PEREZ, ARACELI, DE

[72] BRUGGEMANN, ANDREA, DE

[72] BECKH, SYNNOVE, DE

[72] STUHMER, WALTER, DE

[72] PARDO-FERNANDEZ, LUIS ANGEL, DE

[72] WESELOH, RUDIGER, DE

[71] MAX-PLANCK-GESELLSCHAFT SUR FORDERUNG DER

WISSENSCHAFTEN E.V., DE

[85] 2000-09-15

[86] 1999-04-21 (PCT/EP99/02695)

[87] 1999-10-28 (WO99/54463)

[30] EP (EP 98 10 7268.9) 1998-04-21

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[21] **2,323,574**  
[13] A1

[51] **Int.Cl. 6C12N 15/63 6C07K 16/00 6C12N 9/00 6C12N 15/00 6C07H 21/02 6C07H 21/04 6C12N 1/20**

[25] EN

[54] **IDENTIFICATION OF A CDNA ASSOCIATED WITH ISCHEMIA IN HUMAN HEART TISSUE**

[54] **IDENTIFICATION D'UN ADNC ASSOCIE A L'ISCHEMIE DANS UN TISSU CARDIAQUE HUMAIN**

[72] PRASHAR, YATINDRA, US

[72] FAN, WUFANG, US

[71] GENE LOGIC, INC., US

[85] 2000-09-22

[86] 1999-03-26 (PCT/US99/06662)

[87] 1999-09-30 (WO99/49062)

[30] US (60/079,377) 1998-03-26

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[21] **2,323,576**  
[13] A1

[51] **Int.Cl. 6C12N 15/03 6A61K 39/108 6C12N 1/20 6C12N 15/31**

[25] EN

[54] **BACTERIA ATTENUATED BY A NON-REVERTING MUTATION IN EACH OF THE AROC, OMPF AND OMPG GENES, USEFUL AS VACCINES**

[54] **BACTERIES ATTENUEES PAR MUTATION IRRVERSIBLE DE CHACUN DES GENES AROC, OMPF ET OMPG, UTILES DANS DES VACCINS**

[72] CHATFIELD, STEVEN NEVILLE, GB

[71] PEPTIDE THERAPEUTICS LIMITED, GB

[85] 2000-09-22

[86] 1999-03-25 (PCT/GB99/00935)

[87] 1999-09-30 (WO99/49026)

[30] GB (9806449.6) 1998-03-25

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[21] **2,323,601**  
[13] A1

[51] **Int.Cl. 6C12N 15/12 6A61K 39/00 6C07K 16/18 6C07K 14/47 6C12Q 1/68**

[25] EN

[54] **CASB414: ANTIGEN OVEREXPRESSED IN SEVERAL TUMORS**

[54] **CASB414: ANTIGENE SUREXPRIME DANS PLUSIEURS TUMEURS**

[72] BRUCK, CLAUDINE ELVIRE MARIE, BE

[72] VINALS-BASSOLS, CARLOTA, BE

[72] COCHE, THIERRY, BE

[72] CASSART, JEAN-POL, BE

[71] SMITHKLINE BEECHAM

BIOLOGICALS S.A., BE

[85] 2000-09-18

[86] 1999-03-17 (PCT/EP99/01893)

[87] 1999-09-30 (WO99/49033)

[30] GB (9806104.7) 1998-03-20

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[21] **2,323,604**  
[13] A1

[51] **Int.Cl. 6C12N 15/21 6A61K 48/00 6C12N 5/10 6A61K 9/127 6C12N 15/24 6C07K 14/54 6C07K 14/56 6C12N 15/85 6C12N 15/88**  
[25] EN  
[54] **INTERFERON ALPHA PLASMIDS AND DELIVERY SYSTEMS, AND METHODS OF MAKING AND USING THE SAME**  
[54] **PLASMIDES D'INTERFERON ALPHA, SYSTEMES D'ADMINISTRATION ET PROCEDES DE FABRICATION DESDITS PLASMIDES**  
[72] PERICLE, FEDERICA, US  
[72] NORDSTROM, JEFF, US  
[72] ROLLAND, ALLAIN, US  
[72] RALSTON, ROBERT, US  
[71] VALENTIS, INC., US  
[85] 2000-09-18  
[86] 1999-03-12 (PCT/US99/05394)  
[87] 1999-09-23 (WO99/47678)  
[30] US (60/078,654) 1998-03-19

[21] **2,323,605**  
[13] A1

[51] **Int.Cl. 6C12N 15/12 6A61K 38/17 6C07K 16/18 6C07K 14/47 6G01N 33/50 6C12Q 1/68**  
[25] EN  
[54] **PROTEIN PHOSPHATASE-RELATED MOLECULES**  
[54] **MOLECULES APPARENTEES A LA PROTEINE-PHOSPHATASE**  
[72] GUEGLER, KARL J., US  
[72] BAUGHN, MARIAH, US  
[72] LAL, PREETI, US  
[72] YUE, HENRY, US  
[72] CORLEY, NEIL C., US  
[71] INCYTE PHARMACEUTICALS, INC., US  
[85] 2000-09-19  
[86] 1999-03-11 (PCT/US99/05480)  
[87] 1999-09-30 (WO99/49037)  
[30] US (09/045,973) 1998-03-20

[21] **2,323,607**  
[13] A1

[51] **Int.Cl. 6C12N 15/12 6C12N 5/10 6A61K 38/17 6C07K 16/22 6C07K 14/475 6C12N 15/62**  
[25] EN  
[54] **IMMUNOLOGICAL METHODS TO MODULATE MYOSTATIN IN VERTEBRATE SUBJECTS**  
[54] **TECHNIQUES IMMUNOLOGIQUES PERMETTANT DE MODULER LA MYOSTATINE CHEZ LES VERTEBRES**  
[72] MORSEY, MOHAMAD, US  
[72] BARKER, CHRISTOPHER A., CA  
[71] BIOSTAR INC., CA  
[85] 2000-09-18  
[86] 1999-02-19 (PCT/CA99/00128)  
[87] 1999-08-26 (WO99/42573)  
[30] US (60/075,213) 1998-02-19

[21] **2,323,631**  
[13] A1

[51] **Int.Cl. 6C12N 15/55 6C07K 19/00 6C12N 9/22 6A61K 38/46 6C07K 16/46 6C12N 15/62**  
[25] EN  
[54] **RECOMBINANT ONCONASE, AND CHEMICAL CONJUGATES AND FUSION PROTEINS OF RECOMBINANT ONCONASE**  
[54] **ONCONASE RECOMBINANTE, CONJUGUES CHIMIQUES ET PROTEINES DE FUSION DE L'ONCONASE RECOMBINANTE**  
[72] LEUNG, SHUI-ON, US  
[72] HANSEN, HANS, US  
[72] GOLDENBERG, DAVID M., US  
[71] IMMUNOMEDICS, INC., US  
[85] 2000-09-08  
[86] 1999-03-11 (PCT/US99/04252)  
[87] 1999-09-16 (WO99/46389)  
[30] US (60/077,557) 1998-03-11

[21] **2,323,632**  
[13] A1

[51] **Int.Cl. 6A61K 39/00 6C07K 7/00 6C07K 14/02 6A61K 39/29 6C07K 14/82**  
[25] EN  
[54] **HLA-BINDING PEPTIDES AND THEIR USES**  
[54] **PEPTIDES DE LIAISON DE HLA ET LEURS APPLICATIONS**  
[72] CELIS, ESTEBAN, US  
[72] KUBO, RALPH T., US  
[72] GREY, HOWARD M., US  
[72] SIDNEY, JOHN, US  
[72] SETTE, ALESSANDRO, US  
[72] SOUTHWOOD, SCOTT, US  
[71] EPIMMUNE, INC., US  
[85] 2000-09-11  
[86] 1998-03-13 (PCT/US98/05039)  
[87] 1999-09-16 (WO99/45954)

[21] **2,323,633**  
[13] A1

[51] **Int.Cl. 6C12N 5/00 6C12N 15/13 6G01N 33/53**  
[25] EN  
[54] **SELECTION SUBTRACTION APPROACH TO GENE IDENTIFICATION**  
[54] **METHODE DE SELECTION-SOUSTRACTION UTILISEE DANS L'IDENTIFICATION DE GENES**  
[72] GUDKOV, ANDREI, US  
[72] KONDRATOV, ROMAN, US  
[71] QUARK BIOTECH, INC., US  
[71] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, US  
[85] 2000-09-12  
[86] 1999-03-18 (PCT/US99/05944)  
[87] 1999-09-23 (WO99/47643)  
[30] US (60/078,432) 1998-03-18

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[21] **2,323,634**  
[13] A1  
[51] Int.Cl. 6C12N 15/74 6A61K 39/106  
6C07K 14/335  
[25] EN  
[54] LACTOBACILLI HARBORING  
AGGREGATION AND MUCIN BINDING  
GENES AS VACCINE DELIVERY  
VEHICLES  
[54] LACTOBACILLUS HEBERGEANT  
DES GENES D'AGREGATION  
CELLULAIRE ET DE FIXATION DE  
MUCINE, EN TANT QUE VEHICULES  
D'APPORT DE VACCINS  
[72] CASAS, IVAN, US  
[72] JONSSON, HANS, SE  
[72] MOLLSTAM, BO, SE  
[72] ROOS, STEFAN, SE  
[71] BIOGAIA BIOLOGICS AB, SE  
[85] 2000-09-12  
[86] 1999-03-16 (PCT/IB99/00705)  
[87] 1999-09-23 (WO99/47657)  
[30] US (09/039,773) 1998-03-16

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[21] **2,323,753**  
[13] A1  
[51] Int.Cl. 6C12N 15/54 6C12N 5/10  
6C12N 9/10 6C12N 1/21 6C12P 19/26  
6C12N 15/70 6C12N 15/79  
[25] EN  
[54] LIPOPOLYSACCHARIDE  
.ALPHA.-2,3 SIALYLTRANSFERASE OF  
CAMPYLOBACTER JEJUNI AND ITS  
USES  
[54] LIPOPOLYSACCHARIDE  
.ALPHA.-2,3 SIALYLTRANSFERASE DE  
CAMPYLOBACTER JEJUNI ET  
UTILISATIONS ASSOCIEES  
[72] GILBERT, MICHEL, CA  
[72] WAKARCHUK, WARREN W., CA  
[71] NATIONAL RESEARCH COUNCIL  
OF CANADA, CA  
[85] 2000-09-20  
[86] 1999-03-22 (PCT/CA99/00238)  
[87] 1999-09-30 (WO99/49051)  
[30] US (60/078,981) 1998-03-20  
[30] US (09/272,960) 1999-03-18

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[21] **2,323,756**  
[13] A1  
[51] Int.Cl. 6C12N 15/29 6A01H 5/00  
6A01H 5/10 6C12N 5/10 6C12N 15/11  
6C07K 16/16 6C12N 1/19 6C07K 14/415  
6C12N 15/81 6C12N 15/82  
[25] EN  
[54] GENETIC ENGINEERING SALT  
TOLERANCE IN CROP PLANTS  
[54] GENIE GENETIQUE DE  
L'HALOTOLERANCE DANS LES  
PLANTES CULTIVEES  
[72] AHARON, GILAD, CA  
[72] BLUMWALD, EDUARDO, CA  
[72] APSE, MARIS, CA  
[72] SNEDDEN, WAYNE, CA  
[71] AHARON, GILAD, CA  
[71] BLUMWALD, EDUARDO, CA  
[71] SNEDDEN, WAYNE, CA  
[71] APSE, MARIS, CA  
[85] 2000-09-18  
[86] 1999-03-18 (PCT/CA99/00219)  
[87] 1999-09-23 (WO99/47679)  
[30] US (60/078,474) 1998-03-18  
[30] US (60/116,111) 1999-01-15

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[21] **2,323,751**  
[13] A1  
[51] Int.Cl. 6C12N 15/55 6A61K 48/00  
6A61K 39/04 6C12N 9/18 6C12N 1/20  
6C07K 16/40 6C12Q 1/44 6A61K 38/46  
6C12Q 1/68 6C12N 15/85  
[25] EN  
[54] DIAGNOSTICS AND VACCINES  
FOR MYCOBACTERIAL INFECTIONS  
OF ANIMALS AND HUMANS  
[54] DIAGNOSTICS ET VACCINS POUR  
LES INFECTIONS  
MYCOBACTERIENNES CHEZ DES  
ANIMAUX ET CHEZ L'HOMME  
[72] BULL, TIMOTHY JOHN, GB  
[72] HERMON-TAYLOR, JOHN, GB  
[71] ST. GEORGE'S HOSPITAL MEDICAL  
SCHOOL, GB  
[85] 2000-09-20  
[86] 1999-03-18 (PCT/GB99/00849)  
[87] 1999-09-30 (WO99/49054)  
[30] GB (9806093.2) 1998-03-20

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[21] **2,323,754**  
[13] A1  
[51] Int.Cl. 6C12N 15/82 6A01H 5/00  
6C12N 9/02 6C12N 5/04 6A01H 5/10  
6C12N 15/53  
[25] EN  
[54] MODIFICATION OF FATTY ACID  
COMPOSITION IN PLANTS BY  
EXPRESSION OF AN ASPERGILLUS  
NIDULANS DELTA-9 COA  
DESATURASE  
[54] MODIFICATION D'ACIDE GRAS  
DANS LES PLANTES PAREXPRESSION  
D'UNE ASPERGILLUS NIDULANS  
DELTA-9 COA DESATURASE  
[72] FOLKERTS, OTTO, US  
[72] MERLO, DONALD J., US  
[71] DOW AGROSCIENCES LLC, US  
[85] 2000-09-25  
[86] 1999-03-29 (PCT/US99/06765)  
[87] 1999-10-07 (WO99/50430)  
[30] US (60/079,840) 1998-03-30

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[21] **2,323,757**  
[13] A1  
[51] Int.Cl. 6C07K 16/00 6C12N 15/10  
6C12N 15/13 6A61K 47/48 6G01N 33/53  
[25] EN  
[54] ANTIBODY VARIANTS AND  
FRAGMENTS THEREOF  
[54] VARIANTS D'ANTICORPS ET  
FRAGMENTS DE CEUX-CI  
[72] SHIELDS, ROBERT LAIRD, US  
[72] IDUSOGIE, ESOHE EKINADUESE,  
US  
[72] MULKERRIN, MICHAEL GEORGE,  
US  
[72] PRESTA, LEONARD G., US  
[71] GENENTECH, INC., US  
[85] 2000-09-22  
[86] 1999-03-31 (PCT/US99/06858)  
[87] 1999-10-14 (WO99/51642)  
[30] US (09/054,255) 1998-04-02  
[30] US (60/116,100) 1999-01-15

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[13] A1

[51] **Int.Cl. 6C12N 15/54 6A01K 67/027 6C12N 9/10 6C07K 16/40 6G01N 33/50**

[25] EN

[54] **NOVEL NUCLEIC ACIDS AND POLYPEPTIDES RELATED TO A FARNESYL-DIRECTED CYSTEINE CARBOXYMETHYLTRANSFERASE**

[54] **NOUVEAUX ACIDES**

**NUCLEIQUES ET POLYPEPTIDES APPARENTES A UNE**

**CARBOXYMETHYLTRANSFERASE CYSTEINE DIRIGEE FARNESYL**

[72] NORTH, ANNE K., US

[72] CHOI, YUN-JUNG, US

[72] MARTIN, GEORGE A., US

[72] BOLLAG, GIDEON, US

[71] ONYX PHARMACEUTICALS, INC., US

[85] 2000-09-08

[86] 1999-04-23 (PCT/US99/07396)

[87] 1999-11-04 (WO99/55878)

[30] US (60/083,049) 1998-04-24

[21] **2,323,760**

[13] A1

[51] **Int.Cl. 6C12N 15/57 6C12N 7/01 6C12N 15/11 6C07K 16/40 6A61K 38/48 6C12N 9/64 6G01N 33/68 6C12Q 1/68 6A61K 31/70**

[25] EN

[54] **HUMAN CASB12 POLYPEPTIDE, A SERINE PROTEASE**

[54] **POLYPEPTIDE CASB12 HUMAIN, UNE SERINGUE PROTEASE**

[72] BRUCK, CLAUDINE ELVIRE

MARIE, BE

[72] CASSART, JEAN-POL, BE

[72] VINALS-BASSOLS, CARLOTA, BE

[72] COCHE, THIERRY, BE

[71] SMITHKLINE BEECHAM

BIOLOGICALS S.A., BE

[85] 2000-09-18

[86] 1999-03-17 (PCT/EP99/01894)

[87] 1999-09-30 (WO99/49055)

[30] GB (9806095.7) 1998-03-20

[21] **2,323,761**

[13] A1

[51] **Int.Cl. 6C07H 21/04 6A61K 38/00 6C07K 1/00 6C07K 16/00 6C12N 15/00 6C12P 21/06 6C12N 1/20 6G01N 33/53 6G01N 33/566 6C12Q 1/68**

[25] EN

[54] **95 HUMAN SECRETED PROTEINS**

[54] **95 PROTEINES HUMAINES**

**SECRETES**

[72] ENDRESS, GREGORY A., US

[72] YOUNG, PAUL E., US

[72] FENG, PING, US

[72] YU, GUO-LIANG, US

[72] EBNER, REINHARD, US

[72] LAFLEUR, DAVID W., US

[72] MOORE, PAUL A., US

[72] SHI, YANGGU, US

[72] OLSEN, HENRIK S., US

[72] KYAW, HLA, US

[72] SOPPET, DANIEL R., US

[72] DUAN, ROXANNE D., US

[72] ROSEN, CRAIG A., US

[72] WEI, YING-FEI, US

[72] RUBEN, STEVEN M., US

[72] NI, JIAN, US

[71] HUMAN GENOME SCIENCES, INC.,

US

[85] 2000-09-18

[86] 1999-03-18 (PCT/US99/05804)

[87] 1999-09-23 (WO99/47540)

[30] US (60/078,566) 1998-03-19

[30] US (60/078,576) 1998-03-19

[30] US (60/078,573) 1998-03-19

[30] US (60/078,574) 1998-03-19

[30] US (60/078,579) 1998-03-19

[30] US (60/078,578) 1998-03-19

[30] US (60/078,581) 1998-03-19

[30] US (60/078,577) 1998-03-19

[30] US (60/078,563) 1998-03-19

[30] US (60/080,314) 1998-04-01

[30] US (60/080,312) 1998-04-01

[30] US (60/080,313) 1998-04-01

[21] **2,323,762**

[13] A1

[51] **Int.Cl. 6C12N 15/53 6C12N 9/04 6C12P 7/04 6C12N 1/15**

[25] EN

[54] **IMPROVEMENTS IN OR RELATING TO FATTY ACID METABOLISM**

[54] **PERFECTIONNEMENTS**

**APPORTEES AU METABOLISME DES ACIDES GRAS OU S'Y RAPPORTANT**

[72] SANGLARD, DOMINIQUE, CH

[72] VANHANEN, SIPO, FI

[72] ELBOROUGH, KIERAN, GB

[72] SLABAS, ANTONI RYSZARD, GB

[72] LINDER, NIGEL, GB

[72] CASEY, JOHN, GB

[72] CHENG, QI, GB

[72] WEST, MARK, MX

[71] UNICHEMA CHEMIE B.V., NL

[85] 2000-09-18

[86] 1999-03-18 (PCT/GB99/00846)

[87] 1999-09-23 (WO99/47685)

[30] GB (9805660.9) 1998-03-18

[21] **2,323,776**

[13] A1

[51] **Int.Cl. 6C07H 21/04 6C07K 1/00 6C12N 15/00 6C12P 21/06 6C12N 1/20**

[25] EN

[54] **CYTOKINE RECEPTOR COMMON GAMMA CHAIN LIKE**

[54] **ANALOGUE DE CHAINE GAMMA COMMUNE DE RECEPTEUR DE**

**CYTOKINE**

[72] MOORE, PAUL A., US

[72] ROSEN, CRAIG A., US

[72] RUBEN, STEVEN M., US

[71] HUMAN GENOME SCIENCES, INC.,

US

[85] 2000-09-13

[86] 1999-03-05 (PCT/US99/05068)

[87] 1999-09-23 (WO99/47538)

[30] US (60/078,563) 1998-03-19

[30] US (60/086,505) 1998-05-22

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[21] **2,323,830**  
[13] A1

[51] **Int.Cl. 6C07H 17/00 6C07K 14/00  
6C12N 15/00 6A01N 43/04 6C12P 21/06  
6A61K 35/14 6C12Q 1/68**

[25] EN  
[54] **METHODS AND COMPOSITIONS  
FOR DIAGNOSING AND TREATING  
CHROMOSOME-18P RELATED  
DISORDERS**

[54] **PROCEDES ET COMPOSITIONS  
POUR DIAGNOSTIQUER ET TRAITER  
LES TROUBLES LIES AU  
CHROMOSOME-18P**

[72] FREIMER, NELSON B., US

[72] CHEN, HONG, US

[71] MILLENNIUM

PHARMACEUTICALS, INC., US

[71] THE REGENTS OF THE  
UNIVERSITY OF CALIFORNIA, US

[85] 2000-09-13

[86] 1999-03-16 (PCT/US99/05606)

[87] 1999-09-23 (WO99/47535)

[30] US (60/078,044) 1998-03-16

[30] US (60/088,312) 1998-06-05

[30] US (60/106,056) 1998-10-28

[30] US (09/236,134) 1999-01-22

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[21] **2,323,831**  
[13] A1

[51] **Int.Cl. 6C12N 15/87 6A61K 48/00  
6C12N 5/10**

[25] FR

[54] **VECTEURS DE TRANSFERT  
D'ACIDES NUCLEIQUES,  
COMPOSITIONS LES CONTENANT, ET  
LEURS UTILISATIONS**

[54] **NUCLEIC ACID TRANSFER  
VECTORS, COMPOSITIONS  
CONTAINING SAME AND USES**

[72] WILS, PIERRE, US

[72] CIOLINA, CAROLE, FR

[72] SCHERMAN, DANIEL, FR

[71] AVENTIS PHARMA S.A., FR

[85] 2000-09-18

[86] 1999-03-19 (PCT/FR99/00643)

[87] 1999-09-30 (WO99/49067)

[30] FR (9803573) 1998-03-24

[30] US (60/085848) 1998-05-18

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[21] **2,323,832**  
[13] A1

[51] **Int.Cl. 6C12N 15/29 6A01H 5/00  
6A01H 5/10 6C12N 5/10 6C12N 15/11  
6C07K 14/415 6C12N 15/82**

[25] EN

[54] **SIGNAL TRANSDUCTION  
PROTEIN INVOLVED IN PLANT  
DEHISCENCE**

[54] **PROTEINE TRANSDUCTRICE DE  
SIGNAUX, IMPLIQUEE DANS LA  
DEHISCENCE DE PLANTES**

[72] WHITELAW, CATHERINE, GB

[72] WYATT, PAUL, GB

[72] ROBERTS, JEREMY ALAN, GB

[71] BIOGEMMA UK LIMITED, GB

[85] 2000-09-18

[86] 1999-03-22 (PCT/GB99/00905)

[87] 1999-09-30 (WO99/49046)

[30] GB (9806113.8) 1998-03-20

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[21] **2,323,833**  
[13] A1

[51] **Int.Cl. 6C07H 21/04 6C07K 16/00  
6C12N 15/00 6C07K 14/435 6G01N 33/53  
6C12Q 1/68 6C12N 15/85**

[25] EN

[54] **COMPOSITIONS AND METHODS  
FOR THE IDENTIFICATION OF LUNG  
TUMOR CELLS**

[54] **COMPOSITIONS ET METHODES  
D'IDENTIFICATION DE CELLULES DE  
TUMEUR DU POUMON**

[72] MADDEN, STEPHEN L., US

[72] BEAUDRY, GARY A., US

[72] BERTELSEN, ARTHUR H., US

[71] GENZYME CORPORATION, US

[85] 2000-09-18

[86] 1999-03-30 (PCT/US99/06938)

[87] 1999-10-07 (WO99/50278)

[30] US (60/080,037) 1998-03-31

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[21] **2,323,834**  
[13] A1

[51] **Int.Cl. 6C12N 15/63 6C12N 5/10  
6C12N 15/86**

[25] EN

[54] **VECTORS FOR GENE  
MUTAGENESIS AND GENE  
DISCOVERY**

[54] **VECTEURS POUR MUTAGENESE  
DE GENES ET DECOUVERTE DE  
GENES**

[72] SANDS, ARTHUR T., US

[72] ZAMBROWICZ, BRIAN, US

[72] FRIEDRICH, GLENN A., US

[71] LEXICON GENETICS

INCORPORATED, US

[85] 2000-09-20

[86] 1999-03-26 (PCT/US99/06474)

[87] 1999-10-07 (WO99/50426)

[30] US (60/079,729) 1998-03-27

[30] US (09/057,328) 1998-04-08

[30] US (60/081,727) 1998-04-14

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[21] **2,323,836**  
[13] A1

[51] **Int.Cl. 6C12N 15/29 6A01H 5/00  
6A01H 7/00**

[25] EN

[54] **NOVEL SEQUENCE CLASS OF  
GENES, CORRESPONDING PROTEINS  
AND THE USE OF THE SAME**

[54] **NOUVELLE CLASSE DE  
SEQUENCE GENIQUE, PROTEINES  
CORRESPONDANTES ET LEUR  
UTILISATION**

[72] OLSSON, OLOF, SE

[72] HERTZBERG, MAGUS, SE

[71] A + SCIENCE INVEST AB, SE

[85] 2000-09-21

[86] 1999-03-31 (PCT/SE99/00543)

[87] 1999-10-07 (WO99/50417)

[30] SE (9801129-9) 1998-03-31

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[21] **2,324,165**  
[13] A1  
[51] **Int.Cl. 6C12N 15/29 6A01H 5/00 6C07H 3/06 6A61K 39/36 6C07K 14/415**  
[25] EN  
[54] **RECOMBINANT MAJOR ALLERGEN OF THE POLLEN OF ARTEMISIA VULGARIS (MUGWORT)**  
[54] **ALLERGENE PRINCIPAL RECOMBINE DU POLLEN D'ARTEMISIA VULGARIS (ARMOISE)**  
[72] FERREIRA, FATIMA, AT  
[72] BREITENBACH, MICHAEL, AT  
[72] HIMLY, MARTIN, AT  
[72] RICHTER, KLAUS, AT  
[72] ENGEL, EDWIN, AT  
[72] EBNER, CHRISTOF, AT  
[72] KRAFT, DIETRICH, AT  
[71] BIOMAY PRODUKTIONS - UND HANDELSGESELLSCHAFT MBH, AT  
[85] 2000-09-26  
[86] 1999-03-25 (PCT/AT99/00081)  
[87] 1999-09-30 (WO99/49045)  
[30] AT (A 539/98) 1998-03-26

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[21] **2,324,206**  
[13] A1  
[51] **Int.Cl. 6C12N 15/15 6A61K 48/00 6A61K 9/127 6C07K 16/38 6A61K 38/57 6G01N 33/68 6C12Q 1/68 6C07K 14/81 6C12N 15/86**  
[25] EN  
[54] **PROSTAPIN GENE AND PROTEIN AND USES THEREOF**  
[54] **GENE ET PROTEINE PROSTAPINE AINSI QUE LEURS APPLICATIONS**  
[72] SAFFRAN, DOUGLAS C., US  
[72] LEONG, KAHAN, US  
[72] HUBERT, RENE S., US  
[72] RAITANO, ARTHUR B., US  
[72] AFAR, DANIEL E., US  
[71] UROGENESYS, INC., US  
[85] 2000-09-29  
[86] 1999-03-31 (PCT/US99/07123)  
[87] 1999-11-18 (WO99/58560)  
[30] US (60/080,167) 1998-03-31  
[30] US (60/085,720) 1998-05-15

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[21] **2,324,220**  
[13] A1  
[51] **Int.Cl. 6G01C 15/00 6G01S 5/16**  
[25] EN  
[54] **METHOD FOR DETERMINING THE SPATIAL AND ROTATIONAL POSITIONS OF AN OBJECT**  
[54] **PROCEDE PERMETTANT DE DETERMINER LA POSITION SPATIALE ET LA POSITION ANGULAIRE D'UN OBJET**  
[72] AEBISCHER, BEAT, CH  
[72] APPIUS, RAPHAEL, CH  
[72] BRAUNECKER, BERNHARD, CH  
[71] LEICA GEOSYSTEMS AG, CH  
[85] 2000-09-18  
[86] 1999-03-22 (PCT/EP99/02041)  
[87] 1999-09-30 (WO99/49280)  
[30] DE (198 12 609.3) 1998-03-23

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[21] **2,324,229**  
[13] A1  
[51] **Int.Cl. 6C07K 14/325 6A01H 5/00 6A01N 63/02 6C12N 15/62 6C12N 15/82**  
[25] EN  
[54] **CHIMERIC INSECTICIDAL PROTEIN AND GENE CODING THEREFORE**  
[54] **PROTEINE INSECTICIDE CHIMERE ET GENE CODANT POUR CETTE PROTEINE**  
[72] DESAI, NALINI MANOJ, US  
[71] NOVARTIS AG, CH  
[85] 2000-09-29  
[86] 1999-03-30 (PCT/EP99/02175)  
[87] 1999-10-07 (WO99/50293)  
[30] US (09/053,549) 1998-04-01

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[21] **2,324,230**  
[13] A1  
[51] **Int.Cl. 6C12N 15/62 6C07K 14/00 6C07K 19/00 6C12N 15/11 6C12N 9/12 6C07K 14/47 6C12Q 1/48 6C12N 15/54 6C12N 15/63**  
[25] EN  
[54] **KINASE WEE1 FUSION PROTEIN COMPOSITIONS, NUCLEOTIDE SEQUENCES, EXPRESSION SYSTEMS, AND METHODS OF USE**  
[54] **COMPOSITIONS DE PROTEINES DE FUSION KINASE WEE1, SEQUENCES NUCLEOTIDIQUES, SYSTEMES D'EXPRESSION ET PROCEDES D'UTILISATION**  
[72] BODDY, MICHAEL N., US  
[72] FURNARI, BETH, US  
[72] RUSSELL, PAUL, US  
[71] THE SCRIPPS RESEARCH INSTITUTE, US  
[85] 2000-09-26  
[86] 1999-03-26 (PCT/US99/06704)  
[87] 1999-09-30 (WO99/49061)  
[30] US (60/079,752) 1998-03-27

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[21] **2,324,276**  
[13] A1  
[51] **Int.Cl. 7H01Q 21/00**  
[25] EN  
[54] **PHASED ARRAY ANTENNA CALIBRATION SYSTEM AND METHOD**  
[54] **PROCEDE ET SYSTEME D'ETALONNAGE D'ANTENNE A COMMANDE DE PHASE**  
[72] BEDIGIAN, OSCAR J., US  
[72] SIKINA, THOMAS V., US  
[71] RAYTHEON COMPANY, US  
[85] 2000-09-15  
[86] 1999-03-12 (PCT/US99/05399)  
[87] 1999-10-14 (WO99/52173)  
[30] US (09/042,474) 1998-03-16

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<p style="text-align: right;">[21] <b>2,324,278</b> [13] A1</p> <p>[51] <b>Int.Cl. 7H04N 5/445</b> [25] EN [54] <b>PROGRAM GUIDE SYSTEM WITH FLIP AND BROWSE ADVERTISEMENTS</b> [54] <b>SYSTEME DE TELETEXTE INTEGRANT DES ANNONCES PUBLICITAIRES POUVANT S’AFFICHER EN MODE DEFILEMENT OU EN MODE RECHERCHE ALEATOIRE</b> [72] HERRINGTON, W. BENJAMIN, US [72] MARSHALL, CONNIE T., US [72] HASSELL, JOEL G., US [72] KNUDSON, EDWARD B., US [72] THOMAS, WILLIAM L., US [72] CARPENTER, KENNETH F., JR., US [72] WILLIAMSON, STEVEN C., US [72] ELLIS, MICHAEL D., US [72] ALLISON, DONALD W., US [72] KNEE, ROBERT A., US [72] LEMMONS, THOMAS R., US [72] REYNOLDS, STEVEN J., US [71] UNITED VIDEO PROPERTIES, INC., US [85] 2000-09-15 [86] 1999-04-22 (PCT/US99/08842) [87] 1999-11-04 (WO99/56473) [30] US (09/070,555) 1998-04-30</p>	<p style="text-align: right;">[21] <b>2,324,288</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61M 16/04</b> [25] EN [54] <b>ENDOTRACHEAL TUBE FOR SELECTIVE BRONCHIAL OCCLUSION</b> [54] <b>TUBE ENDOTRACHEAL POUR OCCLUSION BRONCHIQUE SELECTIVE</b> [72] OLDFIELD, GEOFFREY STEWART, AU [71] OLDFIELD FAMILY HOLDINGS PTY. LIMITED, AU [85] 2000-09-07 [86] 1999-03-11 (PCT/AU99/00150) [87] 1999-09-16 (WO99/45990) [30] AU (PP 2294) 1998-03-11</p>	<p style="text-align: right;">[21] <b>2,324,291</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C04B 35/584 6C04B 35/00 6A61L 27/00 6C04B 35/64</b> [25] EN [54] <b>COMPOSITION, MANUFACTURING, AND USE OF SILICON NITRIDE AS A BIOMATERIAL FOR MEDICAL PURPOSE</b> [54] <b>COMPOSITION, FABRICATION ET UTILISATION DE NITRURE DE SILICIUM EN TANT QUE MATERIAU BIOLOGIQUE A USAGE MEDICAL</b> [72] JIANGUO, LI, SE [72] LINDGREN, URBAN, SE [72] OLSSON, KENT, SE [71] BIOMAT SYSTEM AB, SE [85] 2000-09-19 [86] 1999-03-19 (PCT/SE99/00443) [87] 1999-09-23 (WO99/47471) [30] SE (9800918-6) 1998-03-19</p>
<p style="text-align: right;">[21] <b>2,324,287</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B42D 15/10</b> [25] EN [54] <b>METHOD OF MANUFACTURING A SECURITY ITEM</b> [54] <b>PROCEDE DE FABRICATION D’UN ARTICLE DE SECURITE</b> [72] FICE, CHRISTOPHER JOHN, GB [72] CHATWIN, CHARLES EDWARD, GB [71] DE LA RUE INTERNATIONAL LIMITED, GB [85] 2000-09-07 [86] 1999-03-03 (PCT/GB99/00634) [87] 1999-09-16 (WO99/46133) [30] GB (9805111.3) 1998-03-10 [30] GB (9805112.1) 1998-03-10</p>	<p style="text-align: right;">[21] <b>2,324,289</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61K 39/295 6A61K 39/39</b> [25] EN [54] <b>COMBINED VACCINE COMPOSITIONS</b> [54] <b>COMPOSITIONS DE VACCINS COMBINES</b> [72] STEPHENNE, JEAN, BE [72] WETTENDORFF, MARTINE ANNE CECILE, BE [71] SMITHKLINE BEECHAM BIOLOGICALS S.A., BE [85] 2000-09-07 [86] 1999-03-04 (PCT/EP99/01406) [87] 1999-09-16 (WO99/45957) [30] GB (9805105.5) 1998-03-09 [30] GB (9813561.9) 1998-06-23</p>	<p style="text-align: right;">[21] <b>2,324,292</b> [13] A1</p> <p>[51] <b>Int.Cl. 6H01B 12/02 6H01L 39/02 6H01L 39/24</b> [25] EN [54] <b>SUPERCONDUCTING TAPES</b> [54] <b>BANDES SUPRACONDUCTRICES</b> [72] ZHAO, RUPENG, AU [71] METAL MANUFACTURES LIMITED, AU [85] 2000-09-12 [86] 1999-03-18 (PCT/AU99/00180) [87] 1999-09-23 (WO99/48116) [30] GB (9805644.3) 1998-03-18</p>
<p style="text-align: right;">[21] <b>2,324,290</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B41J 2/16 6H01L 41/107</b> [25] EN [54] <b>DROPLET DEPOSITION APPARATUS AND METHOD OF MANUFACTURE</b> [54] <b>APPLICATEUR PAR GOUTTELETTES ET PROCEDE DE FABRICATION</b> [72] PATON, ANTHONY DAVID (Deceased), GB [71] XAAR TECHNOLOGY LIMITED, GB [85] 2000-09-08 [86] 1999-03-10 (PCT/GB99/00718) [87] 1999-09-16 (WO99/46127) [30] GB (9805038.8) 1998-03-11</p>	<p style="text-align: right;">[21] <b>2,324,293</b> [13] A1</p> <p>[51] <b>Int.Cl. 6H01B 12/02 6B32B 9/00 6H01L 39/02</b> [25] EN [54] <b>SUPERCONDUCTING TAPES</b> [54] <b>BANDES SUPRACONDUCTRICES</b> [72] ZHAO, RUPENG, AU [72] DARMANN, FRANCIS ANTHONY, AU [71] METAL MANUFACTURES LIMITED, AU [85] 2000-09-12 [86] 1999-03-18 (PCT/AU99/00179) [87] 1999-09-23 (WO99/48115) [30] GB (9805646.8) 1998-03-18</p>	

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[21] **2,324,294**  
[13] A1

[51] **Int.Cl. 6H01L 39/24 6H01B 12/00 6H01B 13/00**  
[25] EN  
[54] **SUPERCONDUCTING TAPES**  
[54] **BANDES SUPRACONDUCTRICES**  
[72] ZHAO, RUPENG, AU  
[71] METAL MANUFACTURES LIMITED, AU  
[85] 2000-09-12  
[86] 1999-03-18 (PCT/AU99/00181)  
[87] 1999-09-23 (WO99/48159)  
[30] GB (9805641.9) 1998-03-18

[21] **2,324,295**  
[13] A1

[51] **Int.Cl. 6H02J 7/00 6H01M 2/24**  
[25] EN  
[54] **BATTERY SYSTEM ELECTRICAL CONNECTION APPARATUS AND METHOD**  
[54] **DISPOSITIF ET PROCEDE DE CONNEXION ELECTRIQUE D'UN SYSTEME DE BATTERIE**  
[72] CASALE, THOMAS J., US  
[72] CHING, LARRY K. W., US  
[71] OPTIMA BATTERIES, INC., US  
[85] 2000-09-19  
[86] 1998-11-18 (PCT/US98/24759)  
[87] 1999-09-30 (WO99/49550)  
[30] US (09/045,208) 1998-03-20

[21] **2,324,296**  
[13] A1

[51] **Int.Cl. 6A61B 1/12**  
[25] EN  
[54] **ANCHORING AND POSITIONING DEVICE AND METHOD FOR AN ENDOSCOPE**  
[54] **DISPOSITIF ET PROCEDE D'ANCRAGE ET DE POSITIONNEMENT POUR ENDOSCOPE**  
[72] DONOFRIO, GARY, US  
[71] BOSTON SCIENTIFIC CORPORATION, US  
[85] 2000-09-19  
[86] 1999-03-17 (PCT/US99/05685)  
[87] 1999-09-30 (WO99/48417)  
[30] US (09/044,836) 1998-03-20

[21] **2,324,299**  
[13] A1

[51] **Int.Cl. 6A23C 9/142 6A01J 11/10 6B01D 61/14**  
[25] FR  
[54] **PRODUITS, EN PARTICULIER LAITIERS, COMPRENANT DES FRACTIONS SELECTIONNEES DE GLOBULES GRAS, OBTENTION ET APPLICATIONS**  
[54] **PRODUCTS, IN PARTICULAR MILK PRODUCTS, COMPRISING SELECTED FRACTIONS OF FAT GLOBULES, METHOD FOR OBTAINING SAME AND USE**  
[72] GOUEDRANCHE, HENRI YVES MARIE, FR  
[72] MAUBOIS, JEAN-LOUIS JOSEPH, FR  
[72] FAUQUANT, JACQUES EMILE, FR  
[71] INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE (INRA), FR  
[85] 2000-09-19  
[86] 1999-03-18 (PCT/FR99/00632)  
[87] 1999-09-30 (WO99/48376)  
[30] FR (98/03478) 1998-03-20

[21] **2,324,300**  
[13] A1

[51] **Int.Cl. 6G01C 9/10 6B25H 1/00 6B25F 5/02 6A01G 3/053 6G01C 9/06**  
[25] FR  
[54] **DISPOSITIF INDICATEUR DE POSITION POUR APPAREIL PORTABLE A USAGE DOMESTIQUE**  
[54] **POSITION INDICATING DEVICE FOR PORTABLE HOUSEHOLD APPLIANCE**  
[72] BECKER, CHRISTIAN GUY LOUIS, FR  
[72] BATREL, CLAUDE ANDRE FRANCOIS, FR  
[71] BECKER, CHRISTIAN GUY LOUIS, FR  
[71] BATREL, CLAUDE ANDRE FRANCOIS, FR  
[85] 2000-09-08  
[86] 1999-03-11 (PCT/FR99/00537)  
[87] 1999-09-16 (WO99/46560)  
[30] FR (98/03212) 1998-03-11

[21] **2,324,301**  
[13] A1

[51] **Int.Cl. 7A61K 31/683 7A61P 25/20 7A61P 25/24 7A23L 1/30**  
[25] FR  
[54] **NOUVELLE UTILISATION DE PHOSPHOLIPIDES D'ORIGINE VEGETALE ET ANIMALE EN THERAPEUTIQUE NUTRITIONNELLE**  
[54] **NOVEL USE OF PHOSPHOLIPIDS OF VEGETABLE AND ANIMAL ORIGIN IN NUTRITIONAL THERAPY**  
[72] PONROY, YVES, CH  
[71] INSTITUT DE RECHERCHE BIOLOGIQUE S.A., FR  
[85] 2000-09-13  
[86] 2000-01-14 (PCT/FR00/00069)  
[87] 2000-07-20 (WO00/41484)  
[30] FR (99/00335) 1999-01-14

[21] **2,324,302**  
[13] A1

[51] **Int.Cl. 6A61K 7/06**  
[25] FR  
[54] **DERIVES DE POLYAMINO-ACIDES ET LEUR UTILISATION DANS DES COMPOSITIONS DE TRAITEMENT DES FIBRES KERATINIQUES**  
[54] **POLY-AMINOACID DERIVATIVES AND THEIR USE IN COMPOSITIONS FOR TREATING KERATINOUS FIBRES**  
[72] BLAISE, CHRISTIAN, FR  
[72] PHILIPPE, MICHEL, FR  
[71] L'OREAL, FR  
[85] 2000-09-19  
[86] 1999-02-05 (PCT/FR99/00256)  
[87] 1999-10-07 (WO99/49837)  
[30] FR (98/03965) 1998-03-31

[21] **2,324,303**  
[13] A1

[51] **Int.Cl. 6H04M 1/00 6H04Q 7/32**  
[25] FR  
[54] **TERMINAL DE TELECOMMUNICATION LECTEUR DE CARTE A PUCE**  
[54] **CHIP CARD READER TELECOMMUNICATION TERMINAL**  
[72] VANNEL, PIERRE, FR  
[72] OHANIAN, HENRI, FR  
[71] GEMPLUS, FR  
[85] 2000-09-15  
[86] 1999-03-17 (PCT/FR99/00602)  
[87] 1999-09-30 (WO99/49637)  
[30] FR (98/03484) 1998-03-20



## PCT Applications Entering the National Phase

[21] **2,324,304**  
[13] A1

[51] **Int.Cl. 6A61B 17/22**  
[25] EN  
[54] **CATHETERS, SYSTEMS AND METHODS FOR PERCUTANEOUS IN SITU ARTERIO-VEINUS BYPASS**  
[54] **CATHETERS DE CREATION DE PASSAGES, SYSTEMES ET PROCEDES POUR DERIVATION ARTERIO-VEINEUSE IN-SITU PERCUTANEE**  
[72] WHITT, JASON B., US  
[72] THOLFSSEN, DAVID R., US  
[72] FLAHERTY, J. CHRISTOPHER, US  
[72] MACAULAY, PATRICK E., US  
[72] GARIBOTTO, JOHN T., US  
[72] EVARD, PHILLIP C., US  
[71] TRANSVASCULAR, INC., US  
[85] 2000-09-18  
[86] 1999-03-31 (PCT/US99/07115)  
[87] 1999-10-07 (WO99/49793)  
[30] US (60/080,196) 1998-03-31

[21] **2,324,305**  
[13] A1

[51] **Int.Cl. 6C07D 201/16 6C07D 201/08**  
[25] EN  
[54] **PROCESS FOR THE CONTINUOUS PURIFICATION OF CRUDE .EPSILON.-CAPROLACTAM**  
[54] **PROCEDE DE PURIFICATION EN CONTINU DE .EPSILON.-CAPROLACTAME BRUT**  
[72] HAASEN, NICOLAAS FRANCISCUS, NL  
[72] GUIT, RUDOLF PHILIPPUS MARIA, NL  
[72] AGTERBERG, FRANK PETRUS WILLIBRORD, NL  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[71] DSM N.V., NL  
[85] 2000-09-18  
[86] 1999-03-17 (PCT/NL99/00148)  
[87] 1999-09-30 (WO99/48867)  
[30] EP (98200875.7) 1998-03-20

[21] **2,324,306**  
[13] A1

[51] **Int.Cl. 6C07D 307/62**  
[25] EN  
[54] **POLYETHOXYLATED ASCORBIC ACID DERIVATIVES AS A NOVEL ANTIOXIDANT AND PROCESS FOR PREPARING THEREOF**  
[54] **DERIVES D'ACIDE ASCORBIQUE POLYETHOXYLES EN TANT QUE NOUVEL ANTIOXYDANT ET SON PROCEDE DE PREPARATION**  
[72] PARK, BONG JUN, KR  
[72] CHUNG, BONG YOUL, KR  
[72] LEE, IN SANG, KR  
[72] KIM, YOUNG KEUN, KR  
[72] CHO, WAN GOO, KR  
[72] SONG, YOUNG SOOK, KR  
[71] LG CHEMICAL LTD., KR  
[85] 2000-09-18  
[86] 1999-03-27 (PCT/KR99/00148)  
[87] 1999-10-07 (WO99/50258)  
[30] KR (1998/10752) 1998-03-27  
[30] KR (1999/8784) 1999-03-16

[21] **2,324,307**  
[13] A1

[51] **Int.Cl. 6B29C 63/36 6F16L 55/165**  
[25] EN  
[54] **LINER AND METHOD FOR LINING A PIPELINE**  
[54] **GARNITURE INTERIEURE ET PROCEDE PERMETTANT DE DEPOSER UN REVETEMENT INTERIEUR DANS UN PIPELINE**  
[72] ATKINSON, KIRSTEN ELIZABETH, GB  
[72] SANDERS, TREVOR GEORGE, GB  
[72] WOODWARD, CLIVE ANTHONY, GB  
[71] THAMES WATER UTILITIES LIMITED, GB  
[85] 2000-09-18  
[86] 1999-03-18 (PCT/GB99/00851)  
[87] 1999-09-23 (WO99/47340)  
[30] GB (9805801.9) 1998-03-18  
[30] GB (9828053.0) 1998-12-18

[21] **2,324,308**  
[13] A1

[51] **Int.Cl. 6C01B 17/90 6C01G 23/053 6C22B 34/12 6C09C 1/24**  
[25] EN  
[54] **METHOD FOR REPROCESSING WASTE ACID RESULTING FROM TIO2 PRODUCTION**  
[54] **PROCEDE DE TRAITEMENT D'ACIDE DILUE RESULTANT DE LA PREPARATION DE TIO2**  
[72] AUER, GERHARD, DE  
[72] MEISEN, ULRICH, DE  
[72] LAILACH, GUNTER, DE  
[72] SCHUY, WERNER, DE  
[71] BAYER AKTIENGESELLSCHAFT, DE  
[85] 2000-09-18  
[86] 1999-03-17 (PCT/EP99/01735)  
[87] 1999-09-30 (WO99/48808)  
[30] DE (198 12 261.6) 1998-03-20

[21] **2,324,309**  
[13] A1

[51] **Int.Cl. 6B01J 27/26**  
[25] EN  
[54] **DOUBLE METAL CYANIDE COMPLEX CATALYSTS MODIFIED WITH GROUP IIA COMPOUNDS**  
[54] **CATALYSEURS A COMPLEXE CYANURE ET METAL DOUBLE, MODIFIES PAR DES COMPOSES DU GROUPE IIA**  
[72] COMBS, GEORGE, US  
[71] BAYER ANTWERPEN N.V., BE  
[85] 2000-09-18  
[86] 1999-03-19 (PCT/EP99/01863)  
[87] 1999-09-30 (WO99/48607)  
[30] US (09/045,584) 1998-03-20

[21] **2,324,310**  
[13] A1

[51] **Int.Cl. 6C08F 10/00 6C08F 4/80**  
[25] EN  
[54] **POLYMERIZATION OF OLEFINS**  
[54] **POLYMERISATION D'OLEFINES**  
[72] WANG, LIN, US  
[72] BENNETT, ALISON MARGARET ANNE, US  
[72] COUGHLIN, EDWARD BRYAN, US  
[72] CITRON, JOEL DAVID, US  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[85] 2000-09-18  
[86] 1999-03-29 (PCT/US99/06769)  
[87] 1999-10-07 (WO99/50318)  
[30] US (60/080018) 1998-03-30  
[30] US (60/117471) 1999-01-27

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[21] **2,324,311**  
[13] A1

[51] **Int.Cl. 6C07F 15/00 6C08F 10/00 6C07F 15/02 6C07F 15/04 6C07F 15/06 6C08F 4/26**

[25] EN  
[54] **PREPARATION OF TRANSITION METAL IMINE COMPLEXES**

[54] **PREPARATION DE COMPLEXES IMINES DE METAL DE TRANSITION**

[72] ARTHUR, SAMUEL DAVID, US  
[72] CITRON, JOEL DAVID, US  
[72] ITTEL, STEVEN DALE, US  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US

[85] 2000-09-18  
[86] 1999-03-30 (PCT/US99/06818)  
[87] 1999-10-07 (WO99/50273)  
[30] US (60/080,051) 1998-03-31

[21] **2,324,312**  
[13] A1

[51] **Int.Cl. 6B62D 53/08**

[25] EN

[54] **FIFTH WHEEL**

[54] **SELLETTE D'ATTELAGE**

[72] SPITZ, RAINER, DE  
[72] SCHNEIDER, MARTIN, DE  
[72] MATHIS, FRIEDER, DE  
[72] ALGUERA GALLEGO, JOSE MANUEL, DE

[72] POHL, WOLFGANG, DE  
[71] JOST-WERKE AG, DE  
[85] 2000-09-18  
[86] 1999-03-30 (PCT/EP99/02190)  
[87] 1999-10-07 (WO99/50130)  
[30] DE (198 14 274.9) 1998-03-31

[21] **2,324,313**  
[13] A1

[51] **Int.Cl. 6B29C 59/02 6B29C 39/14**

[25] EN

[54] **METHOD FOR PRODUCING SURFACE-STRUCTURED, FILM-LIKE SEMI-FINISHED PRODUCT FROM A THERMOPLASTIC AND SEMI-FINISHED PRODUCT PRODUCED ACCORDING TO SAID METHOD**

[54] **PROCEDE PERMETTANT DE FABRIQUER UN PRODUIT SEMI-FINI DE TYPE FEUILLE, A SURFACE STRUCTUREE, A PARTIR D'UN THERMOPLASTIQUE, ET PRODUIT SEMI-FINI FABRIQUE SELON LEDIT PROCEDE**

[72] WAGNER, WERNER, ES  
[71] HCD HYGIENIC COMPOSITES DEVELOPMENT GMBH, DE

[85] 2000-09-18  
[86] 1999-03-17 (PCT/EP99/01756)  
[87] 1999-09-23 (WO99/47339)  
[30] DE (198 12 097.4) 1998-03-19

[21] **2,324,314**  
[13] A1

[51] **Int.Cl. 7G01N 33/573**

[25] EN

[54] **METHOD FOR ASSAYING CREATINE KINASE ISOZYME ACTIVITY AND ASSAY REAGENT**

[54] **PROCEDE D'ANALYSE DE L'ACTIVITE DE L'ISOZYME DE LA CREATINE KINASE ET REACTIF D'ANALYSE**

[72] SHIRAHASE, YASUSHI, JP  
[72] KAJITA, TADAHIRO, JP  
[72] HOSHINO, TADASHI, JP  
[71] INTERNATIONAL REAGENTS CORPORATION, JP

[85] 2000-09-18  
[86] 2000-01-18 (PCT/JP00/00195)  
[87] 2000-07-27 (WO00/43788)  
[30] JP (11/10624) 1999-01-19

[21] **2,324,315**  
[13] A1

[51] **Int.Cl. 7G01M 1/04**

[25] EN

[54] **DEVICE FOR MEASURING THE FORCES GENERATED BY A ROTOR IMBALANCE**

[54] **DISPOSITIF POUR MESURER DES FORCES PRODUITES PAR UN DEFAUT D'EQUILIBRAGE D'UN ROTOR**

[72] GOEBEL, EICKHART, DE  
[71] SNAP-ON TECHNOLOGIES, INC., US

[85] 2000-09-18  
[86] 1999-08-30 (PCT/EP99/06372)  
[87] 2000-03-16 (WO00/14503)  
[30] DE (198 39 976.6) 1998-09-02  
[30] DE (198 44 975.5) 1998-09-30

[21] **2,324,316**  
[13] A1

[51] **Int.Cl. 6A61N 1/365 6A61N 1/37**

[25] EN

[54] **SYSTEM FOR DERIVING RELATIVE PHYSIOLOGIC SIGNALS**

[54] **SYSTEME PERMETTANT DE DERIVER DES SIGNAUX PHYSIOLOGIQUES RELATIFS**

[72] GOEDEKE, STEVEN D., US  
[71] MEDTRONIC, INC., US

[85] 2000-09-18  
[86] 1999-02-10 (PCT/US99/02931)  
[87] 1999-09-23 (WO99/47205)  
[30] US (09/044,613) 1998-03-19

[21] **2,324,317**  
[13] A1

[51] **Int.Cl. 6B42C 17/00**

[25] EN

[54] **A BOOKBINDING REPAIR KIT**

[54] **KIT DE REPARATION DE RELIURE**

[72] AMITRANO, GENNARO RAFFAELE, NZ

[71] SCOTT, ABE BERNARD, NZ  
[71] AMITRANO, GENNARO RAFFAELE, NZ

[71] FOCAS, DINO, NZ  
[85] 2000-09-18  
[86] 1998-03-19 (PCT/NZ98/00037)  
[87] 1999-09-23 (WO99/47363)

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[21] **2,324,321**  
[13] A1

[51] **Int.Cl. 6C03C 3/062 6C03C 4/00 6C03C 3/097 6C03C 3/112 6C03C 3/12 6H01S 3/17 6C03C 3/247 6C03C 3/253**  
[25] EN  
[54] **ERBIUM DOPED OPTICAL GLASS**  
[54] **VERRE OPTIQUE DOPE A L'ERBIUM**  
[72] NAFTALY, MIRA, GB  
[72] JHA, ANIMESH, GB  
[72] SHEN, SHAOXIONG, GB  
[71] THE UNIVERSITY OF LEEDS, GB  
[85] 2000-09-18  
[86] 1999-03-19 (PCT/GB99/00726)  
[87] 1999-09-23 (WO99/47464)  
[30] GB (9805800.1) 1998-03-19

[21] **2,324,323**  
[13] A1

[51] **Int.Cl. 6H01B 7/22 6H01B 7/04**  
[25] EN  
[54] **CONDUCTIVE SLICKLINE CABLE**  
[54] **CABLE DE MANIPULATION CONDUCTEUR**  
[72] WILL, ROBERT, GB  
[71] EXPRO NORTH SEA LIMITED, GB  
[85] 2000-09-18  
[86] 1999-03-17 (PCT/GB99/00717)  
[87] 1999-09-23 (WO99/48111)  
[30] GB (9805518.9) 1998-03-17

[21] **2,324,325**  
[13] A1

[51] **Int.Cl. 6H05K 5/00 6B60C 23/04 6G06K 19/077**  
[25] EN  
[54] **ENCAPSULATION PACKAGE AND METHOD OF PACKAGING AN ELECTRONIC CIRCUIT MODULE**  
[54] **EMBALLAGE D'ENCAPSULATION ET PROCEDE D'EMBALLAGE D'UN MODULE DE CIRCUIT ELECTRONIQUE**  
[72] POLLACK, RICHARD STEPHEN, US  
[71] THE GOODYEAR TIRE & RUBBER COMPANY, US  
[85] 2000-09-18  
[86] 1998-04-14 (PCT/US98/07578)  
[87] 1999-10-21 (WO99/53740)

[21] **2,324,326**  
[13] A1

[51] **Int.Cl. 7B65H 3/54 7B65H 3/06 7B65H 3/52**  
[25] EN  
[54] **PAPER FEEDING DEVICE**  
[54] **INTRODUCTEUR DE FEUILLES**  
[72] TSUCHIYAMA, YOSHIKI, JP  
[72] ISHIDA, SATOSHI, JP  
[71] PFU LIMITED, JP  
[85] 2000-09-18  
[86] 1999-01-19 (PCT/JP00/00227)  
[87] 2000-07-27 (WO00/43306)  
[30] JP (11/9991) 1999-01-19

[21] **2,324,327**  
[13] A1

[51] **Int.Cl. 7B60C 23/16**  
[25] EN  
[54] **SHOCK ABSORBING BICYCLE WITH PRESSURIZED AIR SUPPLY SYSTEM**  
[54] **BICYCLETTE ANTI-VIBRATIONS DOTEE D'UN SYSTEME D'ALIMENTATION EN AIR COMPRIME**  
[72] YELVERTON, FORREST, US  
[71] GT BICYCLES, INC., US  
[85] 2000-09-18  
[86] 2000-01-07 (PCT/US00/00432)  
[87] 2000-07-13 (WO00/40428)  
[30] US (09/226,294) 1999-01-07

[21] **2,324,329**  
[13] A1

[51] **Int.Cl. 6A61C 17/02 6A61C 1/08**  
[25] EN  
[54] **ILLUMINATED SYRINGE TIP AND HANDPIECE ASSEMBLY**  
[54] **POINTE DE SERINGUE ECLAIREE ET PIECE A MAIN DENTAIRE**  
[72] DAVIS, WARREN, US  
[72] WASSERMAN, DAVID, US  
[71] DAVIS, WARREN, US  
[71] WASSERMAN, DAVID, US  
[85] 2000-09-18  
[86] 1998-03-19 (PCT/US98/05509)  
[87] 1999-09-23 (WO99/47067)

[21] **2,324,331**  
[13] A1

[51] **Int.Cl. 6A61C 17/08 6A61C 1/08**  
[25] EN  
[54] **ILLUMINATED SUCTION TOOL WITH A DISPOSABLE TIP**  
[54] **OUTIL D'ASPIRATION ECLAIRE AVEC POINTE JETABLE**  
[72] DAVIS, WARREN, US  
[72] WASSERMAN, DAVID, US  
[71] DAVIS, WARREN, US  
[71] WASSERMAN, DAVID, US  
[85] 2000-09-18  
[86] 1998-03-19 (PCT/US98/05508)  
[87] 1999-09-23 (WO99/47068)

[21] **2,324,333**  
[13] A1

[51] **Int.Cl. 6B64C 25/34 6F15B 15/14 6F16F 9/18 6B64C 25/22**  
[25] EN  
[54] **DUAL MODE POSITIONER FOR AN AIRCRAFT LANDING GEAR AXLE BEAM**  
[54] **POSITIONNEUR DOUBLE MODE POUR POUTRE DE TRAIN D'ATTERRISSAGE D'AERONEF**  
[72] HRUSCH, LOUIS, C., US  
[71] THE B.F. GOODRICH COMPANY, US  
[85] 2000-09-18  
[86] 1999-03-19 (PCT/US99/06140)  
[87] 1999-09-22 (WO99/47416)  
[30] US (09/044,359) 1998-03-19

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[21] **2,324,335**  
[13] A1

[51] **Int.Cl. 6H04B 7/216**  
[25] EN  
[54] **DEVICE AND METHOD FOR ASSIGNING SPREADING CODE FOR REVERSE COMMON CHANNEL MESSAGE IN CDMA COMMUNICATION SYSTEM**  
[54] **DISPOSITIF ET PROCEDURE D'ATTRIBUTION D'UN CODE D'ETALEMENT POUR MESSAGES SUE CANAL RETOUR COMMUN D'UN SYSTEME DE TELECOMMUNICATIONS AMCR**  
[72] LEE, HYUN SUK, KR  
[72] MOON, HI CHAN, KR  
[72] KIM, YOUNG KY, KR  
[72] AHN, JAE MIN, KR  
[72] YOON, SOON YOUNG, KR  
[72] PARK, JIN SOO, KR  
[71] SAMSUNG ELECTRONICS CO., LTD., KR  
[85] 2000-09-18  
[86] 1999-03-26 (PCT/KR99/00141)  
[87] 1999-09-30 (WO99/49597)  
[30] KR (1998/10617) 1998-03-26  
[30] KR (1998/13150) 1998-04-13

[21] **2,324,337**  
[13] A1

[51] **Int.Cl. 6A61K 39/00 6A61K 41/00 6C07K 16/18 6A61K 39/395 6G01N 33/574**  
[25] EN  
[54] **PRODUCTS IN THE TREATMENT OF CANCER**  
[54] **PRODUITS DE TRAITEMENT DU CANCER**  
[72] CARUBELLI, RAOUL, US  
[72] NORDQUIST, ROBERT E., US  
[72] CHEN, WEI R., US  
[71] WOUND HEALING OF OKLAHOMA, INC., US  
[85] 2000-09-18  
[86] 1998-05-04 (PCT/US98/09130)  
[87] 1999-09-23 (WO99/47162)  
[30] US (09/044,365) 1998-03-19

[21] **2,324,339**  
[13] A1

[51] **Int.Cl. 6C07D 413/06 6C07D 401/06 6C07D 417/06 6A61K 31/445**  
[25] EN  
[54] **1-(3-HETEROARYLPROPYL- OR - PROP-2-ENYL)-4-BENZYLPIPERIDINES USED AS NMDA RECEPTOR ANTAGONISTS**  
[54] **1-(3-HETEROARYLPROPYL- OU - PROP-2-ENYL)-4-BENZYLPIPERIDINES UTILISEES COMME ANTAGONISTES DU RECEPTEUR DE NMDA**  
[72] BARTOSZYK, GERD, DE  
[72] BARBER, ANDREW, DE  
[72] LEIBROCK, JOACHIM, DE  
[72] PRUCHER, HELMUT, DE  
[71] MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, DE  
[85] 2000-09-18  
[86] 1999-03-11 (PCT/EP99/01573)  
[87] 1999-09-30 (WO99/48891)  
[30] DE (198 12 331.0) 1998-03-20

[21] **2,324,340**  
[13] A1

[51] **Int.Cl. 6C07K 16/00**  
[25] EN  
[54] **METHODS FOR IDENTIFYING INDUCERS AND INHIBITORS OF PROTEOLYTIC ANTIBODIES, COMPOSITIONS AND THEIR USES**  
[54] **METHODES POUR IDENTIFIER DES INDUCTEURS ET DES INHIBITEURS D'ANTICORPS PROTEOLYTIQUES, ET COMPOSITIONS ET LEURS UTILISATIONS**  
[72] SMITH, LARRY, US  
[72] GOLOLOBOV, GENNADY, US  
[72] PAUL, SUDHIR, US  
[71] UNIVERSITY OF NEBRASKA BOARD OF REGENTS, US  
[85] 2000-09-19  
[86] 1999-03-23 (PCT/US99/06325)  
[87] 1999-09-30 (WO99/48925)  
[30] US (09/046,373) 1998-03-23

[21] **2,324,342**  
[13] A1

[51] **Int.Cl. 6B62D 53/08**  
[25] EN  
[54] **FIFTHWHEEL COUPLING SELLETTE DE TRACTEUR**  
[72] SPITZ, RAINER, DE  
[72] ALGUERA GALLEGO, JOSE MANUEL, DE  
[72] KOETTER, STEFAN, DE  
[71] JOST-WERKE AG, DE  
[85] 2000-09-18  
[86] 1999-03-24 (PCT/EP99/02014)  
[87] 1999-10-07 (WO99/50129)  
[30] DE (198 13 635.8) 1998-03-27

[21] **2,324,343**  
[13] A1

[51] **Int.Cl. 6C07C 405/00 6C07D 257/04 6A61K 31/557**  
[25] EN  
[54] **C11 OXYMYL AND HYDROXYLAMINO PROSTAGLANDINS USEFUL AS MEDICAMENTS**  
[54] **PROSTAGLANDINES C11 OXYMYL ET HYDROXYLAMINO UTILISEES COMME MEDICAMENTS**  
[72] DE LONG, MITCHELL ANTHONY, US  
[72] WOS, JOHN AUGUST, US  
[72] DE, BISWANATH, US  
[72] SOPER, DAVID LINDSEY, US  
[72] AMBURGEY, JACK SNYDER JR., US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2000-09-19  
[86] 1999-03-22 (PCT/IB99/00478)  
[87] 1999-10-07 (WO99/50241)  
[30] US (60/080,075) 1998-03-31

[21] **2,324,344**  
[13] A1

[51] **Int.Cl. 6C12Q 1/533 6G01N 33/58**  
[25] EN  
[54] **FLUORESCENT ASSAY FOR TOPOISOMERASE INHIBITORS**  
[54] **METHODE DE DETECTION PAR FLUORESCENCE D'INHIBITEURS DE TOPOISOMERASE**  
[72] CATRENICH, CARL EDWARD, US  
[72] MAKIN, KELLY MAUREEN, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2000-09-19  
[86] 1999-03-22 (PCT/IB99/00473)  
[87] 1999-09-30 (WO99/49077)  
[30] US (60/079,265) 1998-03-25

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[21] **2,324,345**  
[13] A1

[51] **Int.Cl. 6C12N 15/00**  
[25] EN  
[54] **HUMAN VAULT RNA**  
[54] **ARN HUMAIN DE VOUTE**  
[72] ROME, LEONARD H., US  
[72] KICKHOEFER, VALERIE A., US  
[71] THE REGENTS OF THE  
UNIVERSITY OF CALIFORNIA, US  
[85] 2000-09-19  
[86] 1999-03-26 (PCT/US99/06683)  
[87] 1999-09-30 (WO99/49025)  
[30] US (60/079,634) 1998-03-27

[21] **2,324,346**  
[13] A1

[51] **Int.Cl. 6B66C 23/00**  
[25] EN  
[54] **ARTICULATING WORKPIECE  
TRANSFER APPARATUS**  
[54] **APPAREIL ARTICULE DE  
TRANSFERT DE PIECES A USINER**  
[72] NIEDZIELSKI, JAMES H., US  
[72] WRIGHT, JOSEPH M., US  
[72] MOORE, STEPHEN F., US  
[71] ATLAS TECHNOLOGIES, INC., US  
[85] 2000-09-18  
[86] 1999-03-17 (PCT/US99/05849)  
[87] 1999-09-23 (WO99/47449)  
[30] US (09/045,378) 1998-03-19

[21] **2,324,347**  
[13] A1

[51] **Int.Cl. 6A61K 31/235**  
[25] EN  
[54] **BENZOATES DERIVATIVES FOR  
INHIBITING ANGIOGENESIS**  
[54] **DERIVES DE BENZOATES  
DESTINES A L'INHIBITION D'UNE  
ANGIOGENESE**  
[72] WALEH, NAHID, US  
[72] HIEBERT, CHARLES, US  
[72] LADEROUTE, KEITH R., US  
[72] TUSE, DANIEL, US  
[71] BIOSOURCE TECHNOLOGIES, INC.,  
US  
[71] SRI INTERNATIONAL, US  
[85] 2000-09-19  
[86] 1999-03-22 (PCT/US99/06220)  
[87] 1999-09-30 (WO99/48495)  
[30] US (60/079,313) 1998-03-25

[21] **2,324,348**  
[13] A1

[51] **Int.Cl. 6A61K 38/00 6C07K 5/00  
6C07K 7/00 6C07K 16/00 6C07K 17/00**  
[25] EN  
[54] **METHODS AND COMPOSITIONS  
FOR PEPTIDE SYNTHESIS**  
[54] **METHODES ET COMPOSITIONS  
DE SYNTHESE DE PEPTIDES**  
[72] LICHTY, MAYNARD, US  
[72] BRAY, BRIAN, US  
[72] KANG, MYUNG-CHOL, US  
[72] MERUTKA, GENE, US  
[72] MADER, CATHERINE, US  
[71] TRIMERIS, INC., US  
[85] 2000-09-19  
[86] 1999-03-22 (PCT/US99/06230)  
[87] 1999-09-30 (WO99/48513)  
[30] US (09/045,920) 1998-03-23  
[30] US (09/071,877) 1998-05-01

[21] **2,324,349**  
[13] A1

[51] **Int.Cl. 6A61K 7/06 6A61K 7/50**  
[25] EN  
[54] **HAIR CONDITIONING  
COMPOSITIONS**  
[54] **COMPOSITIONS CAPILLAIRES**  
[72] MURRAY, ANDREW MALCOLM, GB  
[71] UNILEVER PLC, GB  
[85] 2000-09-19  
[86] 1999-03-22 (PCT/EP99/01902)  
[87] 1999-10-07 (WO99/49836)  
[30] GB (9806826.5) 1998-03-30

[21] **2,324,350**  
[13] A1

[51] **Int.Cl. 6C12N 5/06 6C12N 5/08  
6C12N 5/10 6A61K 35/34 6G01N 33/50**  
[25] EN  
[54] **CARDIAC-DERIVED STEM CELLS**  
[54] **CELLULES SOUCHES D'ORIGINE  
CARDIAQUE**  
[72] LUM, KAREN D., US  
[72] MOORE, EMMA E., US  
[72] ROBERTSON, TAMARA L., US  
[72] THOMPSON, DEBORAH L., US  
[72] DEISHER, THERESA A., US  
[72] HANSON, BIRGIT, US  
[71] ZYMOGENETICS, INC., US  
[85] 2000-09-19  
[86] 1999-03-23 (PCT/US99/06356)  
[87] 1999-09-30 (WO99/49015)  
[30] US (60/079,132) 1998-03-23

[21] **2,324,351**  
[13] A1

[51] **Int.Cl. 6G03B 21/32**  
[25] EN  
[54] **FILM SUPPLY AND TAKE-UP  
APPARATUS**  
[54] **APPAREIL SERVANT A  
ENROULER ET A DEROULER UN FILM**  
[72] MAXWELL, IAN, CA  
[72] DOBLER, CHRISTOPH, DE  
[71] KINOTON GMBH, DE  
[71] IMAX CORPORATION, CA  
[85] 2000-09-19  
[86] 1999-03-17 (PCT/CA99/00223)  
[87] 1999-09-23 (WO99/47974)  
[30] US (09/044,233) 1998-03-19

[21] **2,324,352**  
[13] A1

[51] **Int.Cl. 7C07F 17/00 7B01J 31/00  
7C07F 7/28 7C08F 4/44**  
[25] EN  
[54] **CONSTRAINED GEOMETRY  
METALLOCENE CATALYST  
COMPLEXES**  
[54] **COMPOSES DE CATALYSEURS  
METALLOCENES A GEOMETRIE  
RESTREINTE**  
[72] GATELY, DANIEL ANTHONY, US  
[72] SULLIVAN, JEFFREY M., US  
[71] BOULDER SCIENTIFIC COMPANY,  
US  
[85] 2000-09-19  
[86] 2000-01-27 (PCT/US00/01632)  
[87] 2000-08-10 (WO00/46230)  
[30] US (09/241,446) 1999-02-02

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[21] **2,324,353**  
[13] A1

[51] **Int.Cl. 6C08K 3/00 6C08L 71/00 6C08L 67/04**  
[25] EN  
[54] **POLYMER COMPOSITE COMPRISING A HYDROXY-FUNCTIONALIZED POLYETHER OR POLYESTER AND AN INORGANIC FILLER AND METHOD FOR PREPARING THE SAME**  
[54] **COMPOSITE POLYMERE COMPRENANT UN POLYESTER OU UN POLYETHER A FONCTION HYDROXY ET UNE CHARGE INORGANIQUE, ET SON PROCEDE DE PREPARATION**  
[72] WHITE, JERRY E., US  
[72] POLANSKY, CHRISTINE A., US  
[72] CHEUNG, C. ALICE, US  
[71] THE DOW CHEMICAL COMPANY, US  
[85] 2000-09-19  
[86] 1999-03-08 (PCT/US99/05149)  
[87] 1999-09-30 (WO99/48962)  
[30] US (09/045,300) 1998-03-20

[21] **2,324,354**  
[13] A1

[51] **Int.Cl. 6G02B 26/08 6G02B 21/00 6G02B 21/26**  
[25] EN  
[54] **WIDE FIELD OF VIEW AND HIGH SPEED SCANNING MICROSCOPY**  
[54] **MICROSCOPIE A BALAYAGE A GRAND ANGLE ET A GRANDE VITESSE**  
[72] OVERBECK, JAMES W., US  
[71] GENETIC MICROSYSTEMS, INC., US  
[85] 2000-09-19  
[86] 1999-03-19 (PCT/US99/06097)  
[87] 1999-09-23 (WO99/47964)  
[30] US (09/045,547) 1998-03-20  
[30] US (09/170,847) 1998-10-13

[21] **2,324,355**  
[13] A1

[51] **Int.Cl. 7B05D 1/02 7C04B 12/04**  
[25] EN  
[54] **METHOD OF APPLYING A NON-SLUMPING, PUMPABLE CASTABLE HIGH PURITY SILICA COMPOSITION**  
[54] **PROCEDE D'APPLICATION D'UNE COMPOSITION DE SILICE DE HAUTE PURETE COULABLE POMPABLE ET NE S'AFFAISSANT PAS**  
[72] LANGENOHL, MARK C., US  
[71] HARBISON-WALKER REFRACTORIES COMPANY, US  
[85] 2000-09-19  
[86] 2000-02-09 (PCT/US00/03389)  
[87] 2000-08-17 (WO00/47339)  
[30] US (09/246,486) 1999-02-09

[21] **2,324,356**  
[13] A1

[51] **Int.Cl. 7C04B 14/04 7C04B 22/06 7C04B 28/26**  
[25] EN  
[54] **NON-SLUMPING, PUMPABLE CASTABLE HIGH PURITY SILICA COMPOSITION**  
[54] **COMPOSITION DE SILICE DE GRANDE PURETE, NON SUJETTE AU DECROCHAGE ET SUSCEPTIBLE D'ETRE POMPEE ET MOULEE**  
[72] LANGENOHL, MARK C., US  
[71] HARBISON-WALKER REFRACTORIES COMPANY, US  
[85] 2000-09-19  
[86] 2000-02-09 (PCT/US00/03337)  
[87] 2000-08-17 (WO00/47532)  
[30] US (09/246,473) 1999-02-09

[21] **2,324,357**  
[13] A1

[51] **Int.Cl. 6H01L 21/00 6H01L 21/461 6H01L 29/78 6H01L 21/8238 6H01L 29/86**  
[25] EN  
[54] **ULTRA-HIGH RESOLUTION LIQUID CRYSTAL DISPLAY ON SILICON-ON-SAPPHIRE**  
[54] **AFFICHEUR CRISTAUX LIQUIDES ULTRA-HAUTE RESOLUTION EN TECHNOLOGIE SILICIUM SUR SAPHIR**  
[72] OFFORD, BRUCE W., US  
[72] RUSSELL, STEPHEN D., US  
[72] SHIMABUKURO, RANDY L., US  
[71] OFFORD, BRUCE W., US  
[71] RUSSELL, STEPHEN D., US  
[71] SHIMABUKURO, RANDY L., US  
[85] 2000-09-19  
[86] 1999-03-24 (PCT/US99/06414)  
[87] 1999-09-30 (WO99/49503)  
[30] US (09/047,813) 1998-03-25

[21] **2,324,358**  
[13] A1

[51] **Int.Cl. 7C07F 7/02 7C07F 7/08 7C07F 7/10**  
[25] EN  
[54] **SILYLATED AND N-SILYLATED COMPOUND SYNTHESIS**  
[54] **SYNTHESE DE COMPOSES SILYLES ET N-SILYLES**  
[72] GATELY, DANIEL ANTHONY, US  
[71] BOULDER SCIENTIFIC COMPANY, US  
[85] 2000-09-19  
[86] 2000-02-03 (PCT/US00/02795)  
[87] 2000-08-17 (WO00/47587)  
[30] US (09/244,779) 1999-02-05

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[21] **2,324,359**  
[13] A1

[51] **Int.Cl. 6C08G 18/12 6C08G 18/28 6C08G 18/80**  
[25] EN  
[54] **POLYURETHANE PREPOLYMER COMPOSITIONS, FOAMS MADE THEREFROM AND METHODS OF MAKING EACH THEREOF**  
[54] **COMPOSITIONS PREPOLYMERES POLYURETHANIQUES, MOUSSES FABRIQUEES A PARTIR DE CES COMPOSITIONS ET PROCEDE DE FABRICATION DES CES COMPOSITIONS ET MOUSSES**  
[72] PEARSON, BRAD A., US  
[72] RIZK, SIDKY D., US  
[72] SPRADLING, JERRY L., US  
[71] ESSEX SPECIALTY PRODUCTS, INC., US  
[85] 2000-09-19  
[86] 1999-03-09 (PCT/US99/05085)  
[87] 1999-09-30 (WO99/48943)  
[30] US (09/045,032) 1998-03-20

[21] **2,324,360**  
[13] A1

[51] **Int.Cl. 6F01D 11/00 6F01D 5/08 6F01D 5/30**  
[25] EN  
[54] **DEFLECTOR FOR CONTROLLING ENTRY OF COOLING AIR LEAKAGE INTO THE GASPATH OF A GAS TURBINE ENGINE**  
[54] **DEFLECTEUR SERVANT A REGULER L'ENTREE DE FUITES D'AIR DE REFROIDISSEMENT DANS LA TRAJECTOIRE DU GAZ D'UN MOTEUR A TURBINE A GAZ**  
[72] WALTERS, CAMERON T., CA  
[72] VALENTINI, VALERIO, CA  
[71] PRATT & WHITNEY CANADA INC., CA  
[85] 2000-09-19  
[86] 1999-03-22 (PCT/CA99/00242)  
[87] 1999-10-07 (WO99/50534)  
[30] US (09/049,003) 1998-03-27

[21] **2,324,361**  
[13] A1

[51] **Int.Cl. 6C07C 219/34 6C07D 295/12 6A61K 31/215**  
[25] EN  
[54] **ANTI-TUMOUR AGENTS**  
[54] **AGENTS ANTITUMORAUX**  
[72] BOYLE, FRANCIS THOMAS, GB  
[71] ASTRAZENECA UK LIMITED, GB  
[85] 2000-09-19  
[86] 1999-03-16 (PCT/GB99/00787)  
[87] 1999-09-30 (WO99/48857)  
[30] GB (9805866.2) 1998-03-20

[21] **2,324,362**  
[13] A1

[51] **Int.Cl. 6B64D 17/62**  
[25] EN  
[54] **METHOD FOR DEPLOYING AN EMERGENCY PARACHUTE AND PARACHUTE SYSTEM COMPRISING A PARACHUTE DEPLOYED ACCORDING TO SAID METHOD**  
[54] **PROCEDE POUR L'OUVERTURE D'UN PARACHUTE DE SAUVETAGE ET SYSTEME DE PARACHUTE MUNI D'UN PARACHUTE ACTIONNE SELON CE PROCEDE**  
[72] FRICK, ALEXANDER, CH  
[71] FRICK AEROTECH AG, LI  
[85] 2000-09-19  
[86] 1999-03-09 (PCT/CH99/00108)  
[87] 1999-10-07 (WO99/50142)  
[30] EP (98105616.1) 1998-03-27

[21] **2,324,363**  
[13] A1

[51] **Int.Cl. 6A61K 9/52 6A61K 38/02 6A61K 9/20 6A61K 47/36**  
[25] EN  
[54] **COATED STARCH CAPSULES AND A PROCESS FOR PRODUCING THEM**  
[54] **CAPSULES D'AMIDON RECOUVERTES ET LEUR PROCEDE DE PRODUCTION**  
[72] YLIRUUSI, JOUKO, FI  
[72] POUTANEN, KAISA, FI  
[72] PALVIAINEN, PAIVI, FI  
[72] HEINAMAKI, JYRKI, FI  
[72] MYLLARINEN, PAIVI, FI  
[72] FORSSELL, PIRKKO, FI  
[71] VALTION TEKNILLINEN TUTKIMUSKESKUS, FI  
[85] 2000-09-19  
[86] 1999-03-29 (PCT/FI99/00260)  
[87] 1999-10-21 (WO99/52512)  
[30] FI (980707) 1998-03-27  
[30] FI (980708) 1998-03-27

[21] **2,324,364**  
[13] A1

[51] **Int.Cl. 6A61K 9/52 6A61K 9/20 6A61K 47/36**  
[25] EN  
[54] **TARCH CAPSULES CONTAINING MICROORGANISMS AND/OR POLYPEPTIDES OR PROTEINS AND A PROCESS FOR PRODUCING THEM**  
[54] **CAPSULES D'AMIDON CONTENANT DES MICRO-ORGANISMES ET/OU DES POLYPEPTIDES OU DES PROTEINES, ET LEUR PROCEDE DE PRODUCTION**  
[72] FORSSELL, PIRKKO, FI  
[72] ALANDER, MINNA, FI  
[72] MATTILA-SANDHOLM, TIINA, FI  
[72] POUTANEN, KAISA, FI  
[72] MYLLARINEN, PAIVI, FI  
[72] VON WRIGHT, ATTE, FI  
[71] VALTION TEKNILLINEN TUTKIMUSKESKUS, FI  
[85] 2000-09-19  
[86] 1999-03-29 (PCT/FI99/00259)  
[87] 1999-10-21 (WO99/52511)  
[30] FI (980707) 1998-03-27

[21] **2,324,365**  
[13] A1

[51] **Int.Cl. 6A61L 29/00**  
[25] EN  
[54] **MOULDED BODIES MADE OF THERMOPLASTIC POLYURETHANE CONTAINING AN ACTIVE SUBSTANCE**  
[54] **CORPS MOULES REALISES EN POLYURETHANNES THERMOPLASTIQUES CONTENANT UN AGENT ACTIF**  
[72] SIMON, JOACHIM, DE  
[72] PUDLEINER, HEINZ, DE  
[72] DUJARDIN, RALF, US  
[72] KREISS, WOLFGANG, DE  
[72] KRASEMANN-SHARMA, CHRISTINA, DE  
[72] EBERZ, GUNTHER, DE  
[72] ALBERS, REINHARD, DE  
[71] BAYER AKTIENGESELLSCHAFT, DE  
[85] 2000-09-18  
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[30] DE (198 12 160.1) 1998-03-20

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[21] **2,324,366**  
[13] A1

[51] **Int.Cl. 7B21D 5/04**  
[25] EN  
[54] **BENDING MACHINE**  
[54] **CINTREUSE**  
[72] KUTSCHKER, WOLFGANG, DE  
[72] PESOLD, ERWIN, DE  
[71] REINHARDT MASCHINENBAU GMBH, DE  
[85] 2000-09-19  
[86] 2000-01-11 (PCT/EP00/00126)  
[87] 2000-07-27 (WO00/43142)  
[30] DE (199 01 794.8) 1999-01-19

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[21] **2,324,367**  
[13] A1

[51] **Int.Cl. 6A61M 25/00**  
[25] EN  
[54] **APPARATUS AND METHOD FOR THE DIALYSIS OF BLOOD**  
[54] **APPAREIL ET PROCEDE DE DIALYSE DU SANG**  
[72] SMITH, PAUL J., US  
[72] ESTABROOK, BRIAN K., US  
[72] MARTINS, HAROLD M., US  
[72] PROSL, FRANK R., US  
[71] BIOLINK CORPORATION, US  
[85] 2000-09-18  
[86] 1999-03-18 (PCT/US99/05942)  
[87] 1999-09-23 (WO99/47201)  
[30] US (09/044,372) 1998-03-19

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[21] **2,324,368**  
[13] A1

[51] **Int.Cl. 7B21D 5/04**  
[25] EN  
[54] **BENDING MACHINE**  
[54] **CINTREUSE**  
[72] PESOLD, ERWIN, DE  
[72] KUTSCHKER, WOLFGANG, DE  
[71] REINHARDT MASCHINENBAU GMBH, DE  
[85] 2000-09-19  
[86] 2000-01-11 (PCT/EP00/00124)  
[87] 2000-07-27 (WO00/43140)  
[30] DE (199 01 797.2) 1999-01-19

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[21] **2,324,369**  
[13] A1

[51] **Int.Cl. 6D06C 11/00**  
[25] EN  
[54] **PROCESS AND APPARATUS FOR ANGULARLY SUEADING A TEXTILE WEB CONTAINING WARP AND FILL YARNS**  
[54] **PROCEDE ET APPAREIL PERMETTANT D'OBTENIR UN FINISSAGE VELOUTE, ANGULAIRE, D'UNE BANDE TEXTILE CONTENANT DES FILS DE CHAINE ET DE TRAME**  
[72] DISCHLER, LOUIS, US  
[71] MILLIKEN RESEARCH CORPORATION, US  
[85] 2000-09-19  
[86] 1999-03-10 (PCT/US99/05203)  
[87] 1999-09-30 (WO99/49121)  
[30] US (09/045,094) 1998-03-20

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[21] **2,324,370**  
[13] A1

[51] **Int.Cl. 6H01C 7/12**  
[25] EN  
[54] **SURGE DIVERTER**  
[54] **PARASURTENSION**  
[72] SCHMIDT, WALTER, CH  
[71] ASEA BROWN BOVERI AG, CH  
[85] 2000-09-18  
[86] 1999-03-08 (PCT/CH99/00105)  
[87] 1999-09-30 (WO99/49477)  
[30] DE (198 13 135.6) 1998-03-25

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[21] **2,324,371**  
[13] A1

[51] **Int.Cl. 7B21D 5/04**  
[25] EN  
[54] **BENDING MACHINE FOR FLAT MATERIAL**  
[54] **CINTREUSE POUR MATERIAU PLAT**  
[72] KUTSCHKER, WOLFGANG, DE  
[72] PESOLD, ERWIN, DE  
[71] REINHARDT MASCHINENBAU GMBH, DE  
[85] 2000-09-19  
[86] 2000-01-11 (PCT/EP00/00125)  
[87] 2000-07-27 (WO00/43141)  
[30] DE (199 01 796.4) 1999-01-19

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[13] A1

[51] **Int.Cl. 6C08K 5/18 6C08L 21/00 6C08K 5/3492**  
[25] EN  
[54] **CURABLE COMPOSITION HAVING A HIGH AMOUNT OF ANTIOZONANT AND AN ARTICLE MADE THEREFROM**  
[54] **COMPOSITION VULCANISABLE AVEC FORTE PROPORTION D'AGENTS ANTI-OZONE ET ARTICLE FABRIQUE A PARTIR DE CETTE COMPOSITION**  
[72] HALLADAY, JAMES R., US  
[71] LORD CORPORATION, US  
[85] 2000-09-18  
[86] 1998-05-04 (PCT/US98/09045)  
[87] 1998-12-10 (WO98/55544)  
[30] US (08/869,519) 1997-06-05

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[21] **2,324,373**  
[13] A1

[51] **Int.Cl. 6A44B 11/25**  
[25] EN  
[54] **CLOSING DEVICE**  
[54] **DISPOSITIF DE FERMETURE**  
[72] LILL, EDGAR, AT  
[71] LILL, EDGAR, AT  
[85] 2000-09-15  
[86] 1999-03-26 (PCT/AT99/00082)  
[87] 1999-10-07 (WO99/49749)  
[30] AT (A 561/98) 1998-03-31  
[30] AT (A 1249/98) 1998-07-21

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[21] **2,324,374**  
[13] A1

[51] **Int.Cl. 6C02F 1/48 6B01D 65/08 6B01D 61/16**  
[25] EN  
[54] **DEVICE AND METHOD FOR MOLECULAR POLARIZATION IN WATER**  
[54] **PROCEDE ET DISPOSITIF DE POLARISATION MOLECULAIRE DANS L'EAU**  
[72] LEDOUX, DENIS-MICHEL, CA  
[71] LEDOUX, DENIS-MICHEL, CA  
[85] 2000-09-19  
[86] 1999-03-30 (PCT/CA99/00274)  
[87] 1999-10-07 (WO99/50186)  
[30] US (60/080,207) 1998-03-31

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[13] A1  
[51] **Int.Cl. 6F24F 6/02 6F22B 1/30**  
[25] EN  
[54] **RECYCLING OF AIR HUMIDIFIER CYLINDERS**  
[54] **RECYCLAGE DE CYLINDRES D'HUMIDIFICATION DE L'AIR**  
[72] LEDOUX, DENIS-MICHEL, CA  
[71] LEDOUX, DENIS-MICHEL, CA  
[85] 2000-09-19  
[86] 1999-03-30 (PCT/CA99/00273)  
[87] 1999-10-07 (WO99/50602)  
[30] US (60/080,208) 1998-03-31

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[13] A1  
[51] **Int.Cl. 6C12N 15/82 6A01H 5/00 6C12N 5/10 6C07K 14/415**  
[25] EN  
[54] **SEED SPECIFIC POLYCOMB GROUP GENE AND METHODS OF USE FOR SAME**  
[54] **GENE POLYCOMB SPECIFIQUE D'UNE NOUVELLE SEMENCE ET SES METHODES D'UTILISATION**  
[72] GROSSNIKLAUS, UELI, CH  
[72] VIELLE-CALZADA, JEAN-PHILIPPE, US  
[72] VIELLE-CLAZADA, JEAN-PHILIPPE, US  
[72] GROSSNIKLAUS, UELI, US  
[71] COLD SPRING HARBOR LABORATORY, US  
[85] 2000-10-02  
[86] 1999-04-15 (PCT/US99/08257)  
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[30] US (09/061,769) 1998-04-16  
[30] US (09/061,769) 1998-04-16

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[13] A1  
[51] **Int.Cl. 6D06M 15/263 6D06M 14/00 6D06M 15/03 6D06M 15/05 6D06M 15/15 6D06M 15/21 6D06M 15/29 6D06M 15/333 6D06M 15/53**  
[25] EN  
[54] **MODIFIED TEXTILE AND OTHER MATERIALS AND METHODS FOR THEIR PREPARATION**  
[54] **TISSUS ET AUTRES MATIERES MODIFIEES, PROCEDES D'OBTENTION**  
[72] OFFORD, DAVID A., US  
[72] SOANE, DAVID S., US  
[71] AVANTGAR, LLC, US  
[85] 2000-09-19  
[86] 1999-03-23 (PCT/US99/06395)  
[87] 1999-09-30 (WO99/49124)  
[30] US (60/080,185) 1998-03-24  
[30] US (60/093,820) 1998-07-23  
[30] US (60/093,911) 1998-07-23  
[30] US (60/105,890) 1998-10-27  
[30] US (60/117,641) 1999-01-28

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[21] **2,324,378**  
[13] A1  
[51] **Int.Cl. 6C12Q 1/68**  
[25] EN  
[54] **GLAUCOMA THERAPEUTICS AND DIAGNOSTICS**  
[54] **TRAITEMENT ET DIAGNOSTIC DU GLAUCOME**  
[72] ALWARD, WALLACE L. M., US  
[72] SHEFFIELD, VAL, C., US  
[72] STONE, EDWIN, M., US  
[72] ALWARD, WALLACE, L., M., US  
[72] FINGERT, JOHN, US  
[72] FINGERT, JOHN, US  
[72] SHEFFIELD, VAL C., US  
[72] STONE, EDWIN M., US  
[71] THE UNIVERSITY OF IOWA RESEARCH FOUNDATION, US  
[85] 2000-09-28  
[86] 1999-04-07 (PCT/US99/07671)  
[87] 1999-10-14 (WO99/51779)  
[30] US (09/056,285) 1998-04-07  
[30] US (09/056,285) 1998-04-07

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[13] A1  
[51] **Int.Cl. 6C12Q 1/37 6G06F 19/00**  
[25] EN  
[54] **ANTHRAX LETHAL FACTOR IS A MAPK KINASE PROTEASE**  
[54] **LE FACTEUR LETAL DE L'ANTHRAX EST UNE PROTEASE DE TYPE KINASE**  
[72] WEBB, CRAIG, US  
[72] DUESBERY, NICHOLAS, US  
[72] WEBB, CRAIG, US  
[72] LEPPLA, STEPHEN, US  
[72] DUESBERY, NICHOLAS, US  
[72] WOUDE, GEORGE, VANDE, US  
[72] LEPPLA, STEPHEN, US  
[72] WOUDE, GEORGE VANDE, US  
[71] THE GOVERNMENT OF THE UNITED STATES OF AMERICA, REPRESENTED BY THE SECRE, US  
[85] 2000-09-26  
[86] 1999-03-31 (PCT/US99/07126)  
[87] 1999-10-07 (WO99/50439)  
[30] US (60/080,330) 1998-04-01  
[30] US (60/080,330) 1998-04-01

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[13] A1  
[51] **Int.Cl. 6C12N 9/88 6G01N 33/68**  
[25] EN  
[54] **ASSAY FOR THE DIAGNOSIS OF SCHIZOPHRENIA BASED ON A NEW PEPTIDE**  
[54] **METHODE DE DIAGNOSTIC DE LA SCHIZOPHRENIE BASEE SUR UN PEPTIDE NOUVEAU**  
[72] SHINITZKY, MEIR, IL  
[72] DECKMANN, MICHAEL, FR  
[72] SHINITZKY, MEIR, IL  
[72] DECKMANN, MICHAEL, FR  
[71] YEDA RESEARCH AND DEVELOPMENT CO. LTD., IL  
[85] 2000-09-29  
[86] 1999-03-30 (PCT/IL99/00190)  
[87] 1999-10-14 (WO99/51725)  
[30] IL (123925) 1998-04-02

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[13] A1

[51] **Int.Cl. 6C07K 14/705 6A61K 38/17 6C07K 16/28**  
[25] EN  
[54] **AN INTEGRIN HETERODIMER AND A SUBUNIT THEREOF**  
[54] **HETERODIMERE D'INTEGRINE ET SOUS-UNITE DE CET HETERODIMERE**  
[72] LUNDGREN-AKERLUND, EVY, SE  
[71] CARTELA AB, SE  
[85] 2000-09-29  
[86] 1999-03-31 (PCT/SE99/00544)  
[87] 1999-10-14 (WO99/51639)  
[30] SE (9801164-6) 1998-04-02  
[30] SE (9900319-6) 1999-01-28

[21] **2,324,409**  
[13] A1

[51] **Int.Cl. 6B07C 3/18 6G06F 17/00 6G06F 17/22**  
[25] EN  
[54] **CONTAINER AND INVENTORY MONITORING METHODS AND SYSTEMS**  
[54] **PROCEDES ET SYSTEMES DE CONTROLE DE STOCKS ET DE CONTENEURS**  
[72] RADICAN, JOSEPH E., US  
[71] K & T OF LORAIN, LTD., US  
[85] 2000-07-26  
[86] 1999-01-25 (PCT/US99/01455)  
[87] 1999-07-29 (WO99/38136)  
[30] US (09/013,392) 1998-01-26

[21] **2,324,413**  
[13] A1

[51] **Int.Cl. 7B01L 3/00 7A61B 10/00 7G01N 33/49 7G01N 33/52 7C12Q 1/58**  
[25] EN  
[54] **DEVICE AND METHODS FOR SINGLE STEP COLLECTION AND ASSAYING OF BIOLOGICAL FLUIDS**  
[54] **DISPOSITIF ET PROCEDES DE COLLECTE ET D'ANALYSE DE LIQUIDES ORGANIQUES EN UNE SEULE ETAPE**  
[72] LEE, JIN PO, US  
[72] TSENT, POYI C., TW  
[71] LEE, JIN PO, US  
[85] 2000-04-19  
[86] 1999-08-18 (PCT/US99/18881)  
[87] 2000-05-25 (WO00/29111)  
[30] US (09/192,969) 1998-11-16

[21] **2,324,407**  
[13] A1

[51] **Int.Cl. 6A47B 21/00**  
[25] EN  
[54] **WORKTABLE, IN PARTICULAR COMPUTER TABLE**  
[54] **TABLE DE TRAVAIL, NOTAMMENT TABLE D'ORDINATEUR**  
[72] BREE, WENNEMAR, CH  
[71] EMBALL S.A., CH  
[85] 2000-06-09  
[86] 1997-12-01 (PCT/EP97/06718)  
[87] 1998-06-18 (WO98/25501)  
[30] DE (196 51 488.6) 1996-12-11

[21] **2,324,411**  
[13] A1

[51] **Int.Cl. 6B60C 23/04 6B60C 23/00**  
[25] EN  
[54] **A TYRE PRESSURE SENSOR AND RELATED ALARM SYSTEM**  
[54] **CAPTEUR DE PRESSION POUR PNEU ET SYSTEME D'ALARME CORRESPONDANT**  
[72] LAING, CHRISTOPHER NIAL, GB  
[72] SMITH, TIMOTHY PHILIP, GB  
[71] XPERTECH LIMITED, GB  
[85] 2000-08-25  
[86] 1999-02-23 (PCT/GB99/00544)  
[87] 1999-08-26 (WO99/42308)  
[30] GB (9803749.2) 1998-02-23

[21] **2,324,415**  
[13] A1

[51] **Int.Cl. 6A61F 2/24**  
[25] EN  
[54] **SYSTEM, APPARATUS AND METHOD FOR CHEMICAL FIXATION OF STENTLESS CARDIAC VALVULAR BIOPROSTHESES**  
[54] **SYSTEME, APPAREIL ET PROCEDE PERMETTANT LA FIXATION CHIMIQUE DE BIOPROTHESES VALVULAIRES CARDIAQUES DEPOURVUES D'EXTENSEUR**  
[72] NGUYEN-THIEN-NHON, DIANA, US  
[72] QUINTERO, LILLIAN, US  
[71] EDWARD LIFESCIENCES CORPORATION, US  
[85] 2000-06-22  
[86] 1998-12-15 (PCT/US98/26596)  
[87] 1999-07-08 (WO99/33413)  
[30] US (08/997,766) 1997-12-24

[21] **2,324,408**  
[13] A1

[51] **Int.Cl. 7H01J 3/02 7H01J 37/073 7H01J 9/18 7H01J 37/26**  
[25] EN  
[54] **PRECISION ALIGNMENT OF MICROCOLUMN TIP TO A MICRON-SIZE EXTRACTOR APERTURE**  
[54] **ALIGNEMENT DE PRECISION DE L'EXTREMITE D'UNE MICROCOLONNE PAR RAPPORT A L'OUVERTURE MICRONIQUE D'UN EXTRACTEUR**  
[72] KIM, HO-SEOB, US  
[72] CHANG, T. H. P., US  
[72] LEE, KIM Y., US  
[71] APPLIED MATERIALS, INC., US  
[85] 2000-07-18  
[86] 1999-10-28 (PCT/US99/25430)  
[87] 2000-06-02 (WO00/31770)  
[30] US (09/197,092) 1998-11-19

[21] **2,324,412**  
[13] A1

[51] **Int.Cl. 6G06F 17/60**  
[25] EN  
[54] **COMPUTER METHOD AND APPARATUS FOR AUTOMATIC EXECUTION OF SOFTWARE APPLICATIONS**  
[54] **PROCEDE ET APPAREIL INFORMATIQUES PERMETTANT L'EXECUTION AUTOMATIQUE D'APPLICATIONS LOGICIELLES**  
[72] JIM, PARSONS, US  
[72] NAVANI, GIRISH, US  
[71] ASPEN TECHNOLOGY, INC., US  
[85] 2000-09-07  
[86] 1999-03-12 (PCT/US99/05393)  
[87] 1999-09-16 (WO99/46711)  
[30] US (60/077,841) 1998-03-13

[21] **2,324,416**  
[13] A1

[51] **Int.Cl. 6G01J 5/48**  
[25] EN  
[54] **INTEGRATING ULTRAVIOLET EXPOSURE DETECTION DEVICES**  
[54] **INTEGRATION DE DISPOSITIFS DE DETECTION DE L'EXPOSITION AUX UV**  
[72] FRANKEL, DAVID A., US  
[72] RIBI, HANS O., US  
[71] SEGAN INDUSTRIES, INC., US  
[85] 2000-07-31  
[86] 1999-01-25 (PCT/US99/01542)  
[87] 1999-08-05 (WO99/39167)  
[30] US (09/016,683) 1998-01-30

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[13] A1  
[51] **Int.Cl. 6G02F 1/01 6H04J 14/02 6G02B 6/34**  
[25] EN  
[54] **TUNABLE OPTICAL ADD/DROP MULTIPLEXER**  
[54] **MULTIPLEXEUR OPTIQUE ACCORDABLE A INSERTION-EXTRACTION**  
[72] ELDADA, LOUAY, US  
[72] NORWOOD, ROBERT A., US  
[71] CORNING INCORPORATED, US  
[85] 2000-08-04  
[86] 1999-02-22 (PCT/US99/03854)  
[87] 1999-08-26 (WO99/42893)  
[30] US (60/075,511) 1998-02-20  
[30] US (09/251,892) 1999-02-19

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[13] A1  
[51] **Int.Cl. 6A61K 31/435 6C07D 221/02 6C07D 221/06 6C07D 211/14 6C07D 211/56**  
[25] EN  
[54] **NOVEL OPIATE COMPOUNDS, METHODS OF MAKING AND METHODS OF USE**  
[54] **NOUVEAUX COMPOSES OPIACES ET LEURS PROCEDES DE PREPARATION ET D'UTILISATION**  
[72] THOMAS, JAMES B., US  
[72] MASCARELLA, S. WAYNE, US  
[72] CARROLL, FRANK IVY, US  
[71] RESEARCH TRIANGLE INSTITUTE, US  
[85] 2000-09-05  
[86] 1999-03-09 (PCT/US99/05131)  
[87] 1999-09-16 (WO99/45925)  
[30] US (60/077,402) 1998-03-10  
[30] US (60/107,902) 1998-11-10

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[13] A1  
[51] **Int.Cl. 6A61N 5/10 6G21K 1/04**  
[25] EN  
[54] **CONTROLLING DELIVERY OF RADIOTHERAPY**  
[54] **CONTROLE DE LA MISE EN OEUVRE DE RADIOTHERAPIES**  
[72] CONVERY, DAVID JOHN, GB  
[71] ELEKTA AB, SE  
[85] 2000-09-19  
[86] 1999-03-19 (PCT/GB99/00886)  
[87] 1999-09-30 (WO99/48558)  
[30] GB (9806057.7) 1998-03-20

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[13] A1  
[51] **Int.Cl. 6B64C 1/00**  
[25] EN  
[54] **PROPULSION SYSTEM FOR AN AIRCRAFT**  
[54] **SYSTEME D'ENTRAINEMENT POUR AERONEF**  
[72] FRICK, ALEXANDER, CH  
[71] FRICK AEROTECH AG, LI  
[85] 2000-09-19  
[86] 1999-03-09 (PCT/CH99/00109)  
[87] 1999-10-07 (WO99/50140)  
[30] EP (98105615.3) 1998-03-27

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[13] A1  
[51] **Int.Cl. 6H04L 12/56 6H04Q 7/38**  
[25] EN  
[54] **A SYSTEM AND A METHOD RELATING TO PACKET DATA COMMUNICATION**  
[54] **SYSTEME ET PROCEDE RELATIFS A LA COMMUNICATION DE DONNEES PAR PAQUETS**  
[72] KARLSSON, JOHANNA, SE  
[72] SUNDELL, HANS-OLOF, SE  
[72] HALL, GORAN, SE  
[71] TELEFONAKTIEBOLAGET LM ERICSSON, SE  
[85] 2000-09-19  
[86] 1999-03-05 (PCT/SE99/00322)  
[87] 1999-09-30 (WO99/49626)  
[30] SE (9800930-1) 1998-03-20

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[13] A1  
[51] **Int.Cl. 6H04B 7/216**  
[25] EN  
[54] **POWER CONTROL DEVICE AND METHOD FOR CONTROLLING A REVERSE LINK COMMON CHANNEL IN A CDMA COMMUNICATION SYSTEM**  
[54] **DISPOSITIF ET PROCEDE DE COMMANDE DE PUISSANCE, SERVANT A COMMANDER UN CANAL COMMUN DE LIAISON RETOUR DANS UN SYSTEME DE COMMUNICATION CDMA**  
[72] KIM, YOUNG KY, KR  
[72] MOON, HI CHAN, KR  
[72] CHOI, JIN WOO, KR  
[72] AHN, JAE MIN, KR  
[72] LEE, HYUN SUK, KR  
[71] SAMSUNG ELECTRONICS CO., LTD., KR  
[85] 2000-09-19  
[86] 1999-03-23 (PCT/KR99/00128)  
[87] 1999-09-30 (WO99/49595)  
[30] KR (1998/10394) 1998-03-23  
[30] KR (1998/14276) 1998-04-14

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[21] **2,324,452**  
[13] A1  
[51] **Int.Cl. 6C12N 5/06 6A61L 27/00 6C12N 5/08 6C12N 5/10 6A61K 35/36**  
[25] EN  
[54] **A LIVING CHIMERIC SKIN REPLACEMENT**  
[54] **MATIERE DE RECONSTITUTION DE PEAU CHIMERE ET VIVANTE**  
[72] MANSBRIDGE, JONATHAN N., US  
[72] PINNEY, R. EMMETT, US  
[72] NAUGHTON, GAIL K., US  
[71] ADVANCED TISSUE SCIENCES, INC., US  
[85] 2000-08-24  
[86] 1999-02-23 (PCT/US99/03859)  
[87] 1999-09-02 (WO99/43787)  
[30] US (60/075,704) 1998-02-24

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[21] **2,324,453**  
[13] A1

[51] **Int.Cl. 6C12N 15/29 6C12N 15/82**  
[25] EN  
[54] **COMBINATION OF GENES FOR REGULATING FLOWERING INDUCTION IN USEFUL AND ORNAMENTAL PLANTS**  
[54] **ASSOCIATION DE GENES POUR LA REGULATION DE L'INDUCTION DE LA FLORAISON CHEZ LES PLANTES CULTIVEES ET LES PLANTES D'ORNEMENT**  
[72] APEL, KLAUS, DE  
[72] KURZ, BIRGIT, CH  
[72] MELZER, SIEGBERT, CH  
[72] GLEISSNER, ROLAND, CH  
[71] EIDGENOSSISCHE TECHNISCHE HOCHSCHULE ZURICH, CH  
[85] 2000-09-19  
[86] 1999-03-19 (PCT/CH99/00122)  
[87] 1999-09-23 (WO99/47654)  
[30] CH (657/98) 1998-03-19

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[21] **2,324,454**  
[13] A1

[51] **Int.Cl. 6H01J 7/18 6H01J 35/20 6C01B 3/50 6H01K 1/56**  
[25] EN  
[54] **POLYMER FORMULATIONS FOR GETTERING HYDROGEN**  
[54] **FORMULATIONS POLYMERES POUR SUPPRIMER L'HYDROGENE**  
[72] SHEPODD, TIMOTHY J., US  
[72] WHINNERY, LEROY L., US  
[71] SANDIA CORPORATION, US  
[85] 2000-09-19  
[86] 1998-03-19 (PCT/US98/05440)  
[87] 1999-09-23 (WO99/48125)

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[21] **2,324,455**  
[13] A1

[51] **Int.Cl. 6G06F 9/06**  
[25] EN  
[54] **APPARATUS FOR PRODUCING SOFTWARE AND METHOD FOR PRODUCING SOFTWARE**  
[54] **DISPOSITIF ET PROCEDE SERVANT A PRODUIRE UN LOGICIEL**  
[72] NEGORO, FUMIO, JP  
[72] TOMURA, SHIGEAKI, JP  
[71] THE INSTITUTE OF COMPUTER BASED SOFTWARE METHODOLOGY AND TECHNOLOGY, JP  
[71] INFORMATION SYSTEM DEVELOPMENT INSTITUTE, JP  
[85] 2000-09-19  
[86] 1999-03-19 (PCT/JP99/01394)  
[87] 1999-09-30 (WO99/49387)  
[30] JP (10/71838) 1998-03-20

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[21] **2,324,456**  
[13] A1

[51] **Int.Cl. 6E21B 17/042 6F16L 15/06**  
[25] EN  
[54] **TWO-STEP, DIFFERENTIAL DIAMETER WEDGE THREADED CONNECTOR**  
[54] **RACCORD A FILETAGE CUNEIFORME, BIETAGE, A DIAMETRE DIFFERENTIEL**  
[72] ENDERLE, DOUGLAS R., US  
[71] HYDRIL COMPANY, US  
[85] 2000-09-19  
[86] 1999-03-10 (PCT/US99/05198)  
[87] 1999-09-23 (WO99/47786)  
[30] US (09/044,596) 1998-03-19

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[21] **2,324,457**  
[13] A1

[51] **Int.Cl. 6E21B 17/042 6F16L 15/06**  
[25] EN  
[54] **TWO-STEP, LOW TORQUE WEDGE THREAD FOR TUBULAR CONNECTOR**  
[54] **RACCORD A FILETAGE CUNEIFORME, BIETAGE, A DIAMETRE DIFFERENTIEL**  
[72] ENDERLE, DOUGLAS R., US  
[71] HYDRIL COMPANY, US  
[85] 2000-09-19  
[86] 1999-03-10 (PCT/US99/05174)  
[87] 1999-09-23 (WO99/47785)  
[30] US (09/044,707) 1998-03-19

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[21] **2,324,458**  
[13] A1

[51] **Int.Cl. 6A61F 2/16**  
[25] EN  
[54] **FLEXIBLE MONOBLOC INTRAOCULAR LENS**  
[54] **LENTILLE INTRAOCULAIRE MONOBLOC SOUPLE**  
[72] DAVID, FLORIAN, FR  
[72] PYNSON, JOEL, FR  
[71] CHAUVIN OPSIA, FR  
[85] 2000-09-19  
[86] 1999-03-16 (PCT/FR99/00589)  
[87] 1999-09-30 (WO99/48442)  
[30] FR (98/03461) 1998-03-20

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[21] **2,324,459**  
[13] A1

[51] **Int.Cl. 6D21H 17/67 6D21H 17/64**  
[25] EN  
[54] **METHOD FOR PRODUCING PULP AND PAPER WITH CALCIUM CARBONATE FILLER**  
[54] **PROCEDE DE PRODUCTION DE PATE A PAPIER ET DE PAPIER AU MOYEN D'UNE CHARGE DE CARBONATE DE CALCIUM**  
[72] SCALLAN, ANTHONY M., CA  
[72] DESMEULES, JOSEE, CA  
[72] MIDDLETON, STEVEN R., CA  
[71] PULP AND PAPER RESEARCH INSTITUTE OF CANADA, CA  
[85] 2000-09-19  
[86] 1999-03-17 (PCT/CA99/00213)  
[87] 1999-09-30 (WO99/49133)  
[30] US (60/079,097) 1998-03-23

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[21] **2,324,460**  
[13] A1

[51] **Int.Cl. 6A01N 37/50 6A01N 51/00 6A01N 47/02 6A01N 47/22 6A01N 47/24 6A01N 37/36 6A01N 43/40 6A01N 47/42**  
[25] EN  
[54] **FUNGICIDE MIXTURES BASED ON TRIPLE OXIME ETHER DERIVATIVES AND INSECTICIDES**  
[54] **MELANGES FONGICIDES A BASE DE DERIVES D'OXIMETHER DE DIATOMITE ET D'INSECTICIDES**  
[72] STRATHMANN, SIEGFRIED, DE  
[72] AMMERMANN, EBERHARD, DE  
[72] SAUTER, HUBERT, DE  
[72] SCHELBERGER, KLAUS, DE  
[72] LORENZ, GISELA, DE  
[72] GROTE, THOMAS, DE  
[71] BASF AKTIENGESELLSCHAFT, DE  
[85] 2000-09-19  
[86] 1999-03-22 (PCT/EP99/01908)  
[87] 1999-09-30 (WO99/48366)  
[30] DE (19812762.6) 1998-03-24  
[30] DE (19855331.5) 1998-12-01

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[21] **2,324,461**  
[13] A1

[51] **Int.Cl. 7A61B 18/14**  
[25] EN  
[54] **DEVICE FOR THE TREATMENT OF ATRIAL ARRHYTHMIA**  
[54] **PROCEDE POUR LE TRAITEMENT DE L'ARYTHMIE AURICULAIRE**  
[72] BEDNAREK, MICHAEL C., US  
[72] SWARTZ, JOHN F., US  
[72] HASSETT, JAMES A., US  
[71] DAIG CORPORATION, US  
[85] 2000-09-19  
[86] 2000-01-07 (PCT/US00/00315)  
[87] 2000-07-27 (WO00/42934)  
[30] US (09/233,337) 1999-01-20

[21] **2,324,462**  
[13] A1

[51] **Int.Cl. 6B60H 1/02 6G05D 23/00**  
[25] EN  
[54] **METHOD AND APPARATUS FOR REGULATING HEATER CYCLES TO IMPROVE FUEL EFFICIENCY**  
[54] **PROCEDE ET APPAREIL DE REGULATION DE CYCLES D'APPAREILS DE CHAUFFAGE PERMETTANT D'ACCROITRE LE RENDEMENT ENERGETIQUE**  
[72] HAMMER, JACK, US  
[71] INTELLIDYNE, LLC, US  
[85] 2000-09-19  
[86] 1998-03-20 (PCT/US98/05625)  
[87] 1999-09-30 (WO99/48713)

[21] **2,324,463**  
[13] A1

[51] **Int.Cl. 7G10H 7/00**  
[25] EN  
[54] **METHOD, DEVICE AND ENTERTAINMENT SYSTEM FOR GENERATING PLAYBACK SOUND**  
[54] **PROCEDE, DISPOSITIF ELECTRONIQUE ET EQUIPEMENT DE DISTRACTION POUVANT GENERER UN SON DE LECTURE**  
[72] MORITA, TORU, JP  
[71] SONY COMPUTER ENTERTAINMENT INC., JP  
[85] 2000-09-19  
[86] 2000-01-20 (PCT/JP00/00242)  
[87] 2000-07-27 (WO00/43987)  
[30] JP (11/13508) 1999-01-21

[21] **2,324,464**  
[13] A1

[51] **Int.Cl. 6A01N 37/50 6A01N 57/14 6A01N 43/28 6A01N 43/36 6A01N 43/54 6A01N 43/90**  
[25] EN  
[54] **FUNGICIDE MIXTURES BASED ON TRIPLE OXIME ETHER DERIVATIVES AND RICE FUNGICIDES**  
[54] **MELANGES FONGICIDES A BASE DE DERIVES D'OXIMETHER DE DIATOMITE ET DE FONGICIDES DU RIZ**  
[72] LORENZ, GISELA, DE  
[72] STRATHMANN, SIEGFRIED, DE  
[72] AMMERMANN, EBERHARD, DE  
[72] SAUTER, HUBERT, DE  
[72] SCHELBERGER, KLAUS, DE  
[72] GROTE, THOMAS, DE  
[71] BASF AKTIENGESELLSCHAFT, DE  
[85] 2000-09-19  
[86] 1999-03-22 (PCT/EP99/01910)  
[87] 1999-09-30 (WO99/48368)  
[30] DE (198 12 765.0) 1998-03-24

[21] **2,324,465**  
[13] A1

[51] **Int.Cl. 6B27N 3/14 6D04H 1/72**  
[25] EN  
[54] **DEVICE FOR DISTRIBUTING PARTICLES**  
[54] **DISPOSITIF DE DISTRIBUTION DE PARTICULES**  
[72] JONASSON, STELLAN, SE  
[72] JOHANSSON, LARS-ERIK, SE  
[72] SALO, HEIKKI, SE  
[71] VALMET FIBERTECH AB, SE  
[85] 2000-09-19  
[86] 1999-03-22 (PCT/SE99/00444)  
[87] 1999-09-30 (WO99/48658)  
[30] SE (9800976-4) 1998-03-20

[21] **2,324,466**  
[13] A1

[51] **Int.Cl. 6G09G 5/00 6H03M 11/00 6H03K 17/94**  
[25] EN  
[54] **A METHOD AND APPARATUS FOR WRITING**  
[54] **PROCEDE D'ECRITURE ET APPAREIL CORRESPONDANT**  
[72] PERLIN, KENNETH, US  
[71] NEW YORK UNIVERSITY, US  
[85] 2000-09-19  
[86] 1999-03-30 (PCT/US99/06891)  
[87] 1999-10-07 (WO99/50818)  
[30] US (09/053,502) 1998-04-01

[21] **2,324,467**  
[13] A1

[51] **Int.Cl. 6A61K 47/48 6A61K 47/26**  
[25] EN  
[54] **FORMULATIONS FOR PROTECTION OF PEG-INTERFERON ALPHA CONJUGATES**  
[54] **FORMULATIONS SERVANT A PROTEGER DES CONJUGUES DE PEG ET D'ALPHA-INTERFERON**  
[72] KLINE, DOUGLAS F., US  
[71] SCHERING CORPORATION, US  
[85] 2000-09-19  
[86] 1999-03-24 (PCT/US99/04268)  
[87] 1999-09-30 (WO99/48535)  
[30] US (09/048,907) 1998-03-26

[21] **2,324,468**  
[13] A1

[51] **Int.Cl. 6H04B 10/13**  
[25] EN  
[54] **METHOD AND SYSTEM FOR REMOVAL OF LOW ORDER OPTICAL TRANSMISSION MODES TO IMPROVE MODAL BANDWIDTH IN A MULTIMODE OPTICAL FIBER COMPUTER NETWORK**  
[54] **PROCEDE ET SYSTEME DE SUPPRESSION DE MODES DE TRANSMISSION OPTIQUE D'ORDRE FAIBLE AFIN D'AUGMENTER LA LARGEUR DE BANDE MODALE DANS UN RESEAU INFORMATIQUE A FIBRE OPTIQUE MULTIMODALE**  
[72] KIRK, RICHARD L., US  
[72] HUTCHISON, JERRY D., US  
[72] SCHOFIELD, BRUCE A., US  
[71] CABLETRON SYSTEMS, INC., US  
[85] 2000-09-19  
[86] 1999-05-21 (PCT/US99/11358)  
[87] 1999-11-25 (WO99/60730)  
[30] US (09/082,767) 1998-05-21

[21] **2,324,469**  
[13] A1

[51] **Int.Cl. 6B09B 1/00 6C22B 7/00 6C02F 11/12**  
[25] EN  
[54] **SLIMES TREATMENT**  
[54] **TRAITEMENT DES LIMONS**  
[72] BENTLEY, MICHAEL DAVID, ZA  
[72] MJACU, NCEBA AUBREY, ZA  
[72] MCLEOD, ASHLEY GARY, ZA  
[71] ANGLO OPERATIONS LIMITED, ZA  
[85] 2000-09-19  
[86] 1999-03-19 (PCT/ZA99/00004)  
[87] 1999-09-23 (WO99/47281)  
[30] ZA (98/2396) 1998-03-20

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[21] **2,324,470**  
[13] A1  
[51] **Int.Cl. 6C11D 3/36 6C11D 3/37**  
[25] EN  
[54] **LIQUID LAUNDRY DETERGENT COMPOSITIONS COMPRISING HEDP AND POLYAMINES**  
[54] **COMPOSITIONS DETERGENTES LIQUIDES DE LESSIVE CONTENANT HEDP ET DES POLYAMINES**  
[72] DEPOOT, KAREL JOZEF MARIA, BE  
[72] DE BUZZACCARINI, FRANCESCO, BE  
[72] DELPLANCKE, PATRICK FIRMIN AUGUST, BE  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2000-09-19  
[86] 1999-03-22 (PCT/IB99/00470)  
[87] 1999-09-30 (WO99/49009)  
[30] EP (98870057.1) 1998-03-23

[21] **2,324,471**  
[13] A1  
[51] **Int.Cl. 6H04M 15/00 6H04M 3/00**  
[25] EN  
[54] **A METHOD AND AN ARRANGEMENT IN A SUBSCRIBER LINE INTERFACE CIRCUIT**  
[54] **TECHNIQUE ET DISPOSITIF POUR CIRCUIT D'INTERFACE DE LIGNE D'ABONNE**  
[72] BARKARO, STEFAN, SE  
[71] TELEFONAKTIEBOLAGET LM ERICSSON, SE  
[85] 2000-09-19  
[86] 1999-03-11 (PCT/SE99/00376)  
[87] 1999-09-30 (WO99/49645)  
[30] SE (9800936-8) 1998-03-20

[21] **2,324,472**  
[13] A1  
[51] **Int.Cl. 6F22B 1/18**  
[25] EN  
[54] **HEAT RECOVERY STEAM GENERATOR**  
[54] **GENERATEUR DE VAPEUR A RECUPERATION DE CHALEUR**  
[72] WARYASZ, RICHARD E., US  
[72] PALKES, MARK, US  
[71] ABB ALSTOM POWER INC., US  
[85] 2000-09-19  
[86] 1999-02-23 (PCT/US99/03869)  
[87] 1999-10-14 (WO99/51915)  
[30] US (09/054,426) 1998-04-03

[21] **2,324,473**  
[13] A1  
[51] **Int.Cl. 6G06K 7/00**  
[25] EN  
[54] **METHOD AND DEVICE FOR SELECTING A RECONFIGURABLE COMMUNICATIONS PROTOCOL BETWEEN AN IC CARD AND A TERMINAL**  
[54] **PROCEDE ET DISPOSITIF DE SELECTION D'UN PROTOCOLE DE COMMUNICATION RECONFIGURABLE ENTRE UNE CARTE DE CI ET UN TERMINAL**  
[72] BINDER, PHILIP A., US  
[72] HIOLLE, PHILIPPE R., US  
[72] HOCHFELD, BARRY, GB  
[71] MASTERCARD INTERNATIONAL, INC., US  
[85] 2000-09-19  
[86] 1999-03-19 (PCT/US99/06012)  
[87] 1999-09-23 (WO99/48039)  
[30] GB (9806069.2) 1998-03-20

[21] **2,324,474**  
[13] A1  
[51] **Int.Cl. 6C07D 223/18 6C07D 221/00 6C07D 223/00 6C07D 243/00 6C07D 249/00 6C07D 401/04 6C07D 409/04 6C07D 417/04 6C07D 471/04 6C07D 487/04 6C07D 471/06 6C07D 471/08 6C07D 243/10 6C07D 281/10 6C07D 243/12 6C07D 409/12 6C07D 243/14 6C07D 267/14 6C07D 223/16 6A61K 31/55**  
[25] EN  
[54] **COMPOUNDS FOR INHIBITING BETA-AMYLOID PEPTIDE RELEASE AND/OR ITS SYNTHESIS**  
[54] **COMPOSES DESTINES A INHIBER LA LIBERATION ET/OU LA SYNTHESE DU PEPTIDE BETA-AMYOIDE**  
[72] THOMPSON, RICHARD C., US  
[72] PORTER, WARREN J., US  
[72] AUDIA, JAMES E., US  
[72] WILKIE, STEPHEN C., US  
[72] SHI, QING, US  
[72] STACK, DOUGLAS R., US  
[71] ELAN PHARMACEUTICALS, INC., US  
[71] ELI LILLY & COMPANY, US  
[85] 2000-09-19  
[86] 1999-06-22 (PCT/US99/14096)  
[87] 1999-12-29 (WO99/67219)  
[30] US (09/102,507) 1998-06-22  
[30] US (09/162,757) 1998-09-30

[21] **2,324,475**  
[13] A1  
[51] **Int.Cl. 6A61K 31/55 6C07D 267/02 6C07D 281/02 6C07D 487/02 6C07D 498/02 6C07D 513/02 6C07D 243/06 6C07D 243/10 6C07D 243/12 6C07D 487/12 6C07D 223/14 6C07D 243/24**  
[25] EN  
[54] **CYCLIC AMINO ACID COMPOUNDS, PHARMACEUTICAL COMPOSITIONS COMPRISING SAME, AND METHODS FOR INHIBITING .BETA.-AMYLOID PEPTIDE RELEASE AND/OR ITS SYNTHESIS BY USE OF SUCH COMPOUNDS**  
[54] **COMPOSES D'ACIDES AMINES CYCLIQUES, COMPOSITIONS PHARMACEUTIQUES LES CONTENANT ET METHODES D'INHIBITION DE LA LIBERATION DU PEPTIDE .BETA.-AMYOIDE ET/OU DE SA SYNTHESE A L'AIDE DE CES COMPOSES**  
[72] DRESSMAN, BRUCE A., US  
[72] SHI, QING, US  
[72] AUDIA, JAMES E., US  
[71] ELI LILLY & COMPANY, US  
[71] ELAN PHARMACEUTICALS, INC., US  
[85] 2000-09-19  
[86] 1999-06-22 (PCT/US99/14211)  
[87] 1999-12-29 (WO99/66934)  
[30] US (09/102,507) 1998-06-22  
[30] US (09/164,451) 1998-09-30

[21] **2,324,879**  
[13] A1  
[51] **Int.Cl. 6G07F 7/10**  
[25] FR  
[54] **PROCEDE POUR MODIFIER DE MANIERE INDIVISIBLE UNE PLURALITE D'EMPLACEMENTS DE LA MEMOIRE NON VOLATILE D'UNE CARTE A MICROCIRCUIT, NOTAMMENT UNE CARTE SANS CONTACT**  
[54] **METHOD FOR INDIVISIBLY MODIFYING A PLURALITY OF SITES IN A MICROCIRCUIT CARD NON VOLATILE MEMORY, IN PARTICULAR A CONTACTLESS CARD**  
[72] GRIEU, FRANCOIS, FR  
[72] DIDIER, STEPHANE, FR  
[71] INNOVATRON ELECTRONIQUE (SOCIETE ANONYME), FR  
[85] 2000-10-04  
[86] 1999-04-09 (PCT/FR99/00837)  
[87] 1999-10-21 (WO99/53451)  
[30] FR (98/04453) 1998-04-09

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[21] **2,324,880**  
[13] A1

[51] **Int.Cl. 7C22C 16/00 7B32B 15/01 7G21C 3/07**  
[25] FR  
[54] **ALLIAGE DE ZIRCONIUM ET DE NIOBIUM COMPRENANT DE L'ERBIUM, PROCEDE DE PREPARATION ET PIECE COMPRENANT LEDIT ALLIAGE**  
[54] **ZIRCONIUM AND NIOBIUM ALLOY COMPRISING ERBIUM, PREPARATION METHOD AND COMPONENT CONTAINING SAID ALLOY**  
[72] NOE, MAXY, FR  
[72] BESLU, PIERRE, FR  
[72] PORTA, JACQUES, FR  
[72] BRACHET, JEAN-CHRISTOPHE, FR  
[72] PARMENTIER, PHILIPPE, FR  
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE, FR  
[85] 2000-10-04  
[86] 2000-02-04 (PCT/FR00/00267)  
[87] 2000-08-10 (WO00/46414)  
[30] FR (99/01370) 1999-02-05

[21] **2,324,882**  
[13] A1

[51] **Int.Cl. 6H02P 21/00**  
[25] FR  
[54] **PROCEDE ET DISPOSITIF DE COMMANDE D'UN CONVERTISSEUR STATIQUE ALIMENTANT UNE SOURCE DE COURANT**  
[54] **METHOD AND DEVICE FOR CONTROLLING A STATIC CONVERTER POWERING AN ELECTRICAL SOURCE**  
[72] DE ALMEIDA MARTINS, CARLOS, PT  
[72] MEYNARD, THIERRY, FR  
[72] ROBOAM, XAVIER, FR  
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C.N.R.S.), FR  
[85] 2000-10-04  
[86] 1999-03-19 (PCT/FR99/00648)  
[87] 1999-10-21 (WO99/53607)  
[30] FR (98/04445) 1998-04-09

[21] **2,324,883**  
[13] A1

[51] **Int.Cl. 6C21B 13/10**  
[25] FR  
[54] **PROCEDE DE REDUCTION D'OXYDES METALLIQUES ET DISPOSITIF POUR LA MISE EN OEUVRE DU PROCEDE**  
[54] **METHOD FOR REDUCING METAL OXIDES AND DEVICE FOR IMPLEMENTING SAID METHOD**  
[72] MONTEYNE, GUIDO, BE  
[71] SIDMAR N.V., BE  
[85] 2000-10-05  
[86] 1999-04-23 (PCT/EP99/02749)  
[87] 1999-11-04 (WO99/55919)  
[30] EP (98870097.7) 1998-04-28

[21] **2,324,886**  
[13] A1

[51] **Int.Cl. 6F03G 7/06 6B64G 1/44**  
[25] FR  
[54] **DISPOSITIF DE COMMANDE D'UNE ROTATION RELATIVE ENTRE DEUX ELEMENTS ARTICULES ET STRUCTURE DEPLOYABLE, NOTAMMENT POUR VEHICULE SPATIAL, UTILISANT AU MOINS UN DISPOSITIF DE CE TYPE**  
[54] **DEVICE FOR CONTROLLING THE RELATIVE ROTATION BETWEEN TWO ARTICULATED ELEMENTS AND UNFOLDING STRUCTURE, IN PARTICULAR FOR SPACE VEHICLE, USING AT LEAST SUCH A DEVICE**  
[72] VIALE, DANIEL, FR  
[72] BAUDASSE, YANNICK, FR  
[72] KERHOUSSE, PATRICE, FR  
[72] REIMBOLD, FRANCOIS, FR  
[72] VEZAIN, GERARD, FR  
[71] ALCATEL, FR  
[85] 2000-10-05  
[86] 1999-04-02 (PCT/FR99/00774)  
[87] 1999-10-14 (WO99/51878)  
[30] FR (98/04242) 1998-04-06

[21] **2,324,887**  
[13] A1

[51] **Int.Cl. 6A61K 47/36 6A61K 9/10**  
[25] FR  
[54] **COMPOSITION OPHTHALMIQUE COMPRENANT UN .BETA.-BLOQUANT**  
[54] **OPHTHALMIC COMPOSITION COMPRISING A .BETA.-BLOCKER**  
[72] MAURIN, FLORENCE, FR  
[72] LATOUR, ELISABETH, FR  
[72] COQUELET, CLAUDE, FR  
[71] LABORATOIRE CHAUVIN S.A., FR  
[85] 2000-10-05  
[86] 1999-03-17 (PCT/FR99/00612)  
[87] 1999-10-21 (WO99/52559)  
[30] FR (98/04489) 1998-04-09

[21] **2,324,888**  
[13] A1

[51] **Int.Cl. 6B29C 73/04 6B29C 73/32**  
[25] FR  
[54] **PROCEDE D'OBTENTION, REPARATION OU RECONSTRUCTION D'UN OBJET, AVEC UNE PIECE OU MATERIAU COMPOSITE**  
[54] **METHOD FOR OBTAINING, REPAIRING AND RECONSTRUCTING AN OBJECT, WITH A COMPOSITE PART OR MATERIAL**  
[72] COMOGLIO, BRUNO, FR  
[72] CHARMES, MICHEL, FR  
[71] SUNKISS AERONAUTIQUE, FR  
[85] 2000-10-05  
[86] 1999-04-16 (PCT/FR99/00905)  
[87] 1999-10-28 (WO99/54117)  
[30] FR (98/05052) 1998-04-17

[21] **2,324,890**  
[13] A1

[51] **Int.Cl. 6G01T 1/167**  
[25] FR  
[54] **PROCEDE DE MESURE DE L'ACTIVITE TRITIUM D'UN FUT DE DECHETS RADIOACTIFS**  
[54] **METHOD FOR MEASURING TRITIUM ACTIVITY IN A RADIOACTIVE WASTE DRUM**  
[72] DEVILLARD, DIDIER, FR  
[72] BUGEON, PHILIPPE, FR  
[72] BACHET, BERNARD, FR  
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE, FR  
[85] 2000-10-05  
[86] 1999-04-06 (PCT/FR99/00785)  
[87] 1999-10-14 (WO99/51997)  
[30] FR (98/04302) 1998-04-07

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[13] A1  
[51] **Int.Cl. 6B65G 51/03**  
[25] FR  
[54] **DISPOSITIF DE CONVOYAGE D'OBJETS PAR SOUFFLAGE ET ELEMENT DEFINISSANT AU MOINS UNE PORTION LONGITUDINALE DE LA CHAMBRE DE SOUFFLAGE DUDIT DISPOSITIF**  
[54] **DEVICE FOR CONVEYING OBJECTS BY BLOWING AND ELEMENT DEFINING AT LEAST SAID DEVICE BLOWING CHAMBER**  
[72] BERNARD, FREDERIC, FR  
[71] RAFALE TECHNOLOGIE, FR  
[85] 2000-10-06  
[86] 1999-04-01 (PCT/FR99/00760)  
[87] 1999-10-21 (WO99/52802)  
[30] FR (98/04777) 1998-04-10

[21] **2,324,895**  
[13] A1  
[51] **Int.Cl. 6C07D 491/20 6C07D 209/00 6C07D 223/00 6C07D 307/00 6C07D 317/00 6C07D 331/00 6C07D 453/04 6C07D 305/08 6C07D 309/08 6C07D 493/10 6C07C 57/13 6C07D 303/48 6A61K 31/55**  
[25] EN  
[54] **NOVEL CEPHALOTAXANE DERIVATIVES AND PROCESS FOR THEIR PREPARATION**  
[54] **NOUVEAUX DERIVES DE CEPHALOTAXANE ET LEUR PROCEDE DE FABRICATION**  
[72] CHAUVIAT, LUDOVIC, FR  
[72] GIRODIER, LAURENT, FR  
[72] GILET, CHRYSTELLE, FR  
[72] ROBIN, JEAN-PIERRE, FR  
[72] MEVELEC, LAURENCE, FR  
[72] POUTOT, SANDRINE, FR  
[72] CAVOLEAU, SYLVIE, FR  
[72] ROBIN, JULIE, FR  
[72] FOURNIER, FLORENCE, FR  
[72] DUJARDIN, GILLES, FR  
[72] DHAL, ROBERT, FR  
[72] ROUAUD, SYLVIE, FR  
[72] CHARBONNEL, SANDRA, FR  
[71] ONCOPHARM CORPORATION, US  
[85] 2000-09-20  
[86] 1999-03-17 (PCT/IB99/00491)  
[87] 1999-09-30 (WO99/48894)  
[30] FR (98/03492) 1998-03-20

[21] **2,324,896**  
[13] A1  
[51] **Int.Cl. 6H01Q 7/00 6G06K 19/077**  
[25] FR  
[54] **DISPOSITIF DE CONTROLE DE L'IMPEDANCE RAMENEE SUR L'ANTENNE D'UNE ETIQUETTE ELECTRONIQUE**  
[54] **DEVICE FOR CONTROLLING THE IMPEDANCE RETURNED ON AN ELECTRONIC LABEL ANTENNA**  
[72] OUSSET, MICHEL, FR  
[71] GEMPLUS, FR  
[85] 2000-09-20  
[86] 1999-03-15 (PCT/FR99/00572)  
[87] 1999-10-07 (WO99/50930)  
[30] FR (98/03994) 1998-03-31

[21] **2,324,930**  
[13] A1  
[51] **Int.Cl. 6G01N 35/10 6B01L 3/02 6G01F 23/22**  
[25] FR  
[54] **PROCEDE DE PRELEVEMENT D'UN ECHANTILLON BIOLOGIQUE**  
[54] **BIOLOGICAL SAMPLING METHOD**  
[72] PRIVAT, MARIE, FR  
[72] JARAVEL, CECILE, FR  
[72] COLIN, BRUNO, FR  
[71] BIOMERIEUX S.A., FR  
[85] 2000-09-29  
[86] 1999-03-29 (PCT/FR99/00728)  
[87] 1999-10-07 (WO99/50674)  
[30] FR (98/04144) 1998-04-01  
[30] FR (98/07884) 1998-06-22

[21] **2,324,931**  
[13] A1  
[51] **Int.Cl. 6C07D 233/48 6C07J 41/00 6C07K 5/06 6C07D 239/14 6A61K 31/47 6C12N 15/87**  
[25] FR  
[54] **NOUVEAUX AGENTS DE TRANSFERT D'ACIDES NUCLEIQUES, COMPOSITIONS LES CONTENANT ET LEURS APPLICATIONS**  
[54] **NOVEL NUCLEIC ACID TRANSFER AGENTS, COMPOSITIONS CONTAINING SAME AND USES**  
[72] BYK, GERARDO, IL  
[72] FREDERIC, MARC, FR  
[72] SCHERMAN, DANIEL, FR  
[72] HOFLAND, HANS, US  
[71] AVENTIS PHARMA S.A., FR  
[85] 2000-09-29  
[86] 1999-03-30 (PCT/FR99/00740)  
[87] 1999-10-14 (WO99/51581)  
[30] FR (98/04121) 1998-04-02  
[30] US (60/085,845) 1998-05-18

[21] **2,324,933**  
[13] A1  
[51] **Int.Cl. 6D06N 3/00 6H01B 7/28 6A61L 15/60**  
[25] FR  
[54] **MATERIAUX COMPOSITES ABSORBANTS DE LIQUIDE AQUEUX**  
[54] **COMPOSITE ABSORBENT MATERIALS FOR AQUEOUS LIQUID**  
[72] PLAUT, CHRISTELLE, FR  
[72] MESSEANT, PHILIPPE, FR  
[72] TAUPIN, YVES, FR  
[71] ELF ATOCHEM S.A., FR  
[85] 2000-10-02  
[86] 1999-03-23 (PCT/FR99/00675)  
[87] 1999-10-14 (WO99/51809)  
[30] FR (98/04184) 1998-04-03

[21] **2,324,935**  
[13] A1  
[51] **Int.Cl. 6F27B 13/12 6F27B 3/02**  
[25] FR  
[54] **PROCEDE ET DISPOSITIF DE REGULATION DES FOURS DE CUISSON A FEU TOURNANT**  
[54] **METHOD AND DEVICE FOR REGULATING BURNING RING FURNACES**  
[72] DREYER, CHRISTIAN, FR  
[72] CLAUDEL, PATRICK, FR  
[71] ALUMINIUM PECHINEY, FR  
[85] 2000-10-02  
[86] 1999-03-30 (PCT/FR99/00731)  
[87] 1999-10-14 (WO99/51925)  
[30] FR (98/04404) 1998-04-03

[21] **2,324,939**  
[13] A1  
[51] **Int.Cl. 6C09D 17/00 6C09C 1/00 6D21H 19/38 6D21H 19/58**  
[25] FR  
[54] **COMPOSITIONS COMPOSITES DE CHARGES OU PIGMENTS MINERAUX OU ORGANIQUES CO-STRUCTURES OU CO-ADSORBES ET LEURS UTILISATIONS**  
[54] **COMPOSITE COMPOSITIONS OF CO-STRUCTURED OR CO-ADSORBED ORGANIC OR MINERAL PIGMENTS OR FILLERS AND THEIR USES**  
[72] BURI, MATTHIAS, CH  
[72] GANE, PATRICK A. C., CH  
[71] PLUESS-STAUFER AG, CH  
[85] 2000-10-03  
[86] 1999-04-06 (PCT/IB99/00941)  
[87] 1999-10-21 (WO99/52984)  
[30] FR (98/04714) 1998-04-09  
[30] FR (98/15244) 1998-11-30



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[13] A1  
[51] **Int.Cl. 6C07D 213/30 6C07D 275/02 6C07F 7/08 6A01N 43/10 6C07D 215/14 6C07D 333/16 6C07D 333/28 6A01N 43/40 6A01N 43/42 6C07C 251/48 6C07D 213/64 6A01N 43/80**  
[25] FR  
[54] **COMPOSES FONGICIDES COMPORTANT UN GROUPE HYDROXIMIQUE OU HYDRAZONIQUE**  
[54] **FUNGICIDE COMPOSITIONS COMPRISING A HYDROXIMIC OR HYDRAZONIC GROUP**  
[72] VILLIER, ALAIN, FR  
[72] VORS, JEAN-PIERRE, FR  
[72] PEREZ, JOSEPH, FR  
[72] SAKURAI, TADASHI, JP  
[72] ELLWOOD, CHARLES, FR  
[72] DESBORDES, PHILIPPE, FR  
[72] HARTMANN, BENOIT, FR  
[72] SAWAI, NOBUMITSU, JP  
[72] GERUSZ, VINCENT, FR  
[71] AVENTIS CROPS SCIENCE S.A., FR  
[85] 2000-10-03  
[86] 1999-04-01 (PCT/FR99/00753)  
[87] 1999-10-14 (WO99/51579)  
[30] FR (98/04594) 1998-04-07  
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[21] **2,324,941**  
[13] A1  
[51] **Int.Cl. 6E01F 15/08**  
[25] FR  
[54] **SEPARATEUR ET BARRIERE DE PROTECTION OU DE DELIMITATION, PAR EXEMPLE POUR VOIE DE CIRCULATION AUTOMOBILE**  
[54] **SEPARATOR AND PROTECTIVE OR DELIMITING BARRIER, FOR EXAMPLE FOR VEHICLE ROAD TRAFFIC**  
[72] GALIANA, RAPHAEL, FR  
[72] GALIANA, RAPHAEL, FR  
[72] HELLIO, JEAN-LOUIS, FR  
[72] HELLIO, JEAN-LOUIS, FR  
[71] GALIANA, RAPHAEL, FR  
[71] HELLIO, JEAN-LOUIS, FR  
[85] 2000-10-03  
[86] 1999-04-09 (PCT/FR99/00827)  
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[30] FR (98/04781) 1998-04-10

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[13] A1  
[51] **Int.Cl. 6C21D 1/76 6C23C 8/22 6C23C 8/32**  
[25] FR  
[54] **PROCEDE DE CEMENTATION OU CARBONITRURATION DE PIECES METALLIQUES**  
[54] **METHOD FOR CARBURIZING OR CARBONITRIDING METAL PARTS**  
[72] DOMERGUE, DIDIER, FR  
[72] BUFFIN, MERYEM, FR  
[72] SINDZINGRE, THIERRY, FR  
[71] L' AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCED, FR  
[85] 2000-10-04  
[86] 1999-03-26 (PCT/FR99/00707)  
[87] 1999-11-04 (WO99/55921)  
[30] FR (98/05231) 1998-04-27

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[21] **2,324,944**  
[13] A1  
[51] **Int.Cl. 6A01H 5/10**  
[25] FR  
[54] **SEMENCES ET PLANTES DONT LE POUVOIR GERMINATIF EST DETRUIT PAR L'ABSENCE TOTALE OU PARTIELLE D'AU MOINS UNE RESERVE ENERGETIQUE INDISPENSABLE A LA GERMINATION**  
[54] **SEEDS AND PLANTS WHEREOF THE GERMINATING CAPACITY IS DESTROYED BY TOTAL OR PARTIAL LACK OF AT LEAST ONE ENERGY RESERVE INDISPENSABLE TO GERMINATION**  
[72] BOURNAT, PHILIPPE, FR  
[71] GROUPE LIMAGRAIN HOLDING, FR  
[85] 2000-10-04  
[86] 1999-04-07 (PCT/FR99/00806)  
[87] 1999-10-21 (WO99/52344)  
[30] FR (98/04495) 1998-04-09

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[21] **2,324,946**  
[13] A1  
[51] **Int.Cl. 6A01K 11/00**  
[25] FR  
[54] **DISPOSITIF ET PROCEDE DE MARQUAGE D'ANIMAUX**  
[54] **DEVICE AND METHOD FOR ANIMAL MARKING**  
[72] ANDRE, DENIS, FR  
[72] LE DOEUFF, ROLAND, FR  
[72] ANDRE, DENIS, FR  
[72] LE DOEUFF, ROLAND, FR  
[71] ANDRE, DENIS, FR  
[71] LE DOEUFF, ROLAND, FR  
[85] 2000-10-04  
[86] 1999-04-14 (PCT/FR99/00865)  
[87] 1999-10-21 (WO99/52348)  
[30] FR (98/04789) 1998-04-14

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[21] **2,324,947**  
[13] A1  
[51] **Int.Cl. 7G01N 33/487**  
[25] EN  
[54] **DEVICES AND METHODS FOR THE DETECTION AND IDENTIFICATION OF CRYSTALS IN BIOLOGICAL FLUIDS**  
[54] **DISPOSITIFS ET TECHNIQUES DE DETECTION ET D'IDENTIFICATION DE CRISTAUX DANS DES LIQUIDES BIOLOGIQUES**  
[72] CARPENTER, CHARLES R., US  
[72] TORNBERG, MELANIE, US  
[72] CLARK, GENEVIEVE, US  
[71] IDEXX LABORATORIES, INC., US  
[85] 2000-09-20  
[86] 2000-01-13 (PCT/US00/00875)  
[87] 2000-07-27 (WO00/43777)  
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[13] A1

[51] **Int.Cl. 6D06M 13/184 6D06M 15/05 6D06M 11/09 6D06M 15/263 6D06M 15/277 6D06M 15/423 6D06M 13/432 6D06M 13/513 6D06M 13/517**  
[25] EN  
[54] **MODIFIED TEXTILE AND OTHER MATERIALS AND METHODS FOR THEIR PREPARATION**  
[54] **TISSU ET AUTRES MATIERES MODIFIEES, PROCEDES D'OBTENTION**  
[72] SOANE, DAVID S., US  
[72] OFFORD, DAVID A., US  
[71] AVANTGAR, LLC, US  
[85] 2000-09-20  
[86] 1999-03-23 (PCT/US99/06382)  
[87] 1999-09-30 (WO99/49125)  
[30] US (60/080,185) 1998-03-24  
[30] US (60/093,820) 1998-07-23  
[30] US (60/093,911) 1998-07-23  
[30] US (60/105,890) 1998-10-27  
[30] US (60/117,641) 1999-01-28

[21] **2,324,950**  
[13] A1

[51] **Int.Cl. 6F04D 29/38**  
[25] EN  
[54] **AXIAL FLOW FAN**  
[54] **VENTILATEUR A FLUX AXIAL**  
[72] SPAGGIARI, ALESSANDRO, IT  
[71] SPAL S.R.L., IT  
[85] 2000-09-20  
[86] 1999-03-18 (PCT/IB99/00459)  
[87] 1999-09-30 (WO99/49224)  
[30] EP (98830169.3) 1998-03-23

[21] **2,324,951**  
[13] A1

[51] **Int.Cl. 6F04D 29/32 6F04D 29/38 6F04D 29/66**  
[25] EN  
[54] **AXIAL FLOW FAN**  
[54] **VENTILATEUR A FLUX AXIAL**  
[72] SPAGGIARI, ALESSANDRO, IT  
[71] SPAL S.R.L., IT  
[85] 2000-09-20  
[86] 1999-03-18 (PCT/IB99/00458)  
[87] 1999-09-30 (WO99/49223)  
[30] EP (98830169.3) 1998-03-23  
[30] EP (98124401.5) 1998-12-23

[21] **2,324,952**  
[13] A1

[51] **Int.Cl. 6A61M 15/08 6B05B 5/00**  
[25] EN  
[54] **NASAL SPRAY DEVICE WITH IMPROVED SPRAY GEOMETRY**  
[54] **DISPOSITIF DE PULVERISATION NASALE A GEOMETRIE DE PULVERISATION AMELIOREE**  
[72] RENNIE, PAUL JOHN, GB  
[71] THE PROCTOR & GAMBLE COMPANY, US  
[85] 2000-09-20  
[86] 1999-03-22 (PCT/IB99/00469)  
[87] 1999-10-07 (WO99/49923)  
[30] GB (9806939.6) 1998-03-31

[21] **2,324,953**  
[13] A1

[51] **Int.Cl. 6C07D 501/46 6A61K 31/545**  
[25] EN  
[54] **CEPHALOSPORINES HAVING CYCLIC AMINO GUANIDINE SUBSTITUENTS AS ANTIBIOTICS**  
[54] **CEPHALOSPORINES AVEC SUBSTITUANTS AMINO GUANIDINES CYCLIQUES, UTILISEES COMME ANTIBIOTIQUES**  
[72] LUDESCHER, JOHANNES, AT  
[72] HEILMAYER, WERNER, AT  
[72] HILDEBRANDT, JOHANNES, AT  
[72] SCHRANZ, MICHAEL, AT  
[72] ASCHER, GERD, AT  
[72] WIESER, JOSEF, AT  
[71] BIOCHEMIE GESELLSCHAFT MBH, AT  
[85] 2000-09-20  
[86] 1999-03-19 (PCT/EP99/01853)  
[87] 1999-09-30 (WO99/48896)  
[30] AT (A 515/98) 1998-03-23

[21] **2,324,954**  
[13] A1

[51] **Int.Cl. 6C08F 214/26**  
[25] EN  
[54] **PERFLUOROELASTOMER COMPOSITIONS**  
[54] **COMPOSITIONS PERFLUOROELASTOMERES**  
[72] GROOTAERT, WERNER M., US  
[71] DYNEON LLC, US  
[85] 2000-09-20  
[86] 1999-02-18 (PCT/US99/03490)  
[87] 1999-09-30 (WO99/48939)  
[30] US (60/079,061) 1998-03-23

[21] **2,325,000**  
[13] A1

[51] **Int.Cl. 6C07C 251/24 6C07C 251/48 6C07C 255/50**  
[25] EN  
[54] **METHYL-PHENYL DERIVATIVES, PREPARATION METHOD AND USE**  
[54] **DERIVES DE METHYL-BIPHENYLE, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION**  
[72] DORMOY, JEAN-ROBERT, FR  
[72] GOUBET, DOMINIQUE, FR  
[72] MOREAU, PATRICE, FR  
[71] SANOFI-SYNTHELABO, FR  
[85] 2000-09-21  
[86] 1999-03-17 (PCT/FR99/00593)  
[87] 1999-09-30 (WO99/48861)  
[30] FR (98/03621) 1998-03-24

[21] **2,325,003**  
[13] A1

[51] **Int.Cl. 6B65B 1/16 6B65B 37/14**  
[25] EN  
[54] **PACKAGING METHOD AND APPARATUS**  
[54] **PROCEDE ET APPAREIL D'EMBALLAGE**  
[72] DEBOY, LEE SIMON, AU  
[71] THE SMITH'S SNACKFOOD COMPANY LIMITED, AU  
[85] 2000-09-21  
[86] 1999-03-26 (PCT/AU99/00218)  
[87] 1999-09-30 (WO99/48757)  
[30] AU (PP 2602) 1998-03-26

[21] **2,325,004**  
[13] A1

[51] **Int.Cl. 6A61M 5/142**  
[25] EN  
[54] **DRUG DELIVERY DEVICE**  
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**  
[72] GROSS, JOSEPH, IL  
[72] LAVI, GILAD, IL  
[72] TSALS, IZRAEL, US  
[72] YAGIL, GIL, IL  
[72] CARMEL, EHOUD, IL  
[71] ELAN CORPORATION PLC, IE  
[85] 2000-09-21  
[86] 1999-03-23 (PCT/IE99/00014)  
[87] 1999-09-30 (WO99/48546)  
[30] IE (980211) 1998-03-23  
[30] US (60/079,047) 1998-03-23

## PCT Applications Entering the National Phase

<p style="text-align: right;">[21] <b>2,325,006</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B01L 3/00 6G01N 21/25</b> [25] EN [54] <b>DEVICE AND APPARATUS FOR CONDUCTING AN ASSAY</b> [54] <b>DISPOSITIF ET APPAREILLAGE PERMETTANT DE MENER UNE ANALYSE</b> [72] PERCIVAL, DAVID, GB [72] CURTIS, JOHN, GB [72] CRESSWELL, MARK, GB [72] STEVENSON, ANTHONY, GB [72] ANDREWES, DAVID, GB [72] VESSEY, JOHN PHILLIP, GB [72] ODELL, JOHN ANTHONY, GB [72] GRIFFITHS, DAVID, GB [72] FERNANDO, FELIX, GB [72] ATTRIDGE, JOHN WORTHINGTON, GB [71] PROVALIS DIAGNOSTICS LIMITED, GB [85] 2000-05-26 [86] 1998-11-30 (PCT/GB98/03586) [87] 1999-06-10 (WO99/28038) [30] GB (9725348.8) 1997-11-28 [30] GB (9813292.1) 1998-06-22</p>	<p style="text-align: right;">[21] <b>2,325,012</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C23C 22/12 6C23C 22/13 6C23C 22/18</b> [25] EN [54] <b>AQUEOUS SOLUTION AND METHOD FOR PHOSPHATIZING METALLIC SURFACES</b> [54] <b>SOLUTION AQUEUSE ET PROCEDE POUR PHOSPHATER DES SURFACES METALLIQUES</b> [72] DEEMER, MICHAEL, DE [72] SPECHT, JURGEN, DE [72] LENHARD, MICHAEL, DE [72] STICKLER, RALF, DE [72] SCHUBACH, PETER, DE [72] HEITBAUM, JOACHIM, DE [72] JORNS, PETER, DE [72] FLEISCHHACKER-JEWORREK, MARGIT, DE [72] KOLBERG, THOMAS, DE [71] METALLGESELLSCHAFT AKTIENGESELLSCHAFT, DE [85] 2000-08-28 [86] 1999-02-24 (PCT/EP99/01186) [87] 1999-09-02 (WO99/43868) [30] DE (198 08 440.4) 1998-02-27</p>	<p style="text-align: right;">[21] <b>2,325,020</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C08J 5/22 6C08L 71/00 6H01M 8/02 6C08L 81/06 6H01M 8/10 6B01D 71/68 6B01D 71/80</b> [25] EN [54] <b>ACID-BASE POLYMER BLENDS AND THEIR USE IN MEMBRANE PROCESSES</b> [54] <b>MELANGES CONSTITUES D'ACIDES, DE BASES ET DE POLYMERES, ET LEUR UTILISATION DANS DES PROCEDES A MEMBRANE</b> [72] KERRES, JOCHEN, DE [72] CUI, WEI, DE [71] UNIVERSITAT STUTTGART, DE [85] 2000-09-21 [86] 1999-04-16 (PCT/EP99/02756) [87] 1999-10-28 (WO99/54389) [30] DE (198 17 376.8) 1998-04-18</p>
<p style="text-align: right;">[21] <b>2,325,011</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C04B 28/02 6C04B 40/06 6C04B 28/14 6C04B 24/16 6C04B 24/26</b> [25] EN [54] <b>READY MADE CEMENTITIOUS COMPOSITION</b> [54] <b>COMPOSITION DE GYPSE</b> [72] O'KEEFE, SAMANTHA JANE, GB [72] FREEGARD, GRAHAM JOHN, GB [71] BPB PLC, GB [85] 2000-09-21 [86] 1999-03-24 (PCT/GB99/00926) [87] 1999-09-30 (WO99/48833) [30] GB (9806314.2) 1998-03-24 [30] GB (9812929.9) 1998-06-15 [30] GB (9821152.7) 1998-09-29</p>	<p style="text-align: right;">[21] <b>2,325,015</b> [13] A1</p> <p>[51] <b>Int.Cl. 7B07B 1/46</b> [25] EN [54] <b>SCREENING DEVICE</b> [54] <b>DISPOSITIF DE DETECTION</b> [72] DOUGLAS, PAUL, GB [71] EXTEC INDUSTRIES PLC, GB [85] 2000-09-21 [86] 2000-01-20 (PCT/GB00/00124) [87] 2000-07-27 (WO00/43133) [30] GB (9901208.0) 1999-01-21 [30] GB (9901979.6) 1999-01-29</p>	<p style="text-align: right;">[21] <b>2,325,021</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B05B 7/20</b> [25] EN [54] <b>POWDER INJECTION SYSTEM FOR DETONATION-OPERATED PROJECTION GUN</b> [54] <b>SYSTEME D'INJECTION DE POUFRE POUR PISTOLET DE PROJECTION PAR DETONATION</b> [72] FAGOAGA ALTUNA, IGNACIO, ES [72] DE JUAN LANDABURU, JULIAN, ES [72] BARYKIN, GEORGIY, ES [71] AEROSTAR COATINGS, S.L., ES [85] 2000-07-24 [86] 1998-01-23 (PCT/ES98/00015) [87] 1999-07-29 (WO99/37406)</p>
	<p style="text-align: right;">[21] <b>2,325,018</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C11D 1/62 6C11D 3/20 6C11D 3/32</b> [25] EN [54] <b>STABILISED QUATERNARY AMMONIUM COMPOSITIONS</b> [54] <b>COMPOSITIONS STABLES D'AMMONIUM</b> [72] THORNTHWAITE, DAVID WILLIAM, GB [72] WHALEY, CHRISTOPHER, GB [71] UNILEVER PLC, GB [85] 2000-09-21 [86] 1999-05-12 (PCT/EP99/03366) [87] 1999-11-25 (WO99/60081) [30] GB (9810655.2) 1998-05-18</p>	

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[21] **2,325,023**  
[13] A1

[51] **Int.Cl. 6G01P 13/02 6B64D 43/02 6G01P 5/165**  
[25] EN  
[54] **PITOT-STATIC TUBE**  
[54] **PRISE STATIQUE DE TUBE DE PITOT**  
[72] VOZHDAEV, YEVGENY SEMENOVICH, RU  
[72] EFREMOV, ANDREI ALEKSANDROVICH, RU  
[72] KOHLER, HEINZ-GERHARD, DE  
[72] GOLOVKIN, VLADIMIR ALEKSEEVICH, RU  
[72] GOLOVKIN, MIKHAIL ALEKSEEVICH, RU  
[72] PANKRATOV, ANATOLI KUZMICH, RU  
[71] PROFESSOR N.E. ZHUKOVSKY CENTRAL AEROHYDRODYNAMIC INSTITUTE, RU  
[71] NORD-MICRO ELEKTRONIK FEINMECHANIK AG, DE  
[71] AEROPRIBOR VOSKHOD OJSC, RU  
[85] 2000-09-21  
[86] 1999-05-26 (PCT/EP99/03632)  
[87] 1999-12-02 (WO99/61924)  
[30] RU ( 98109993) 1998-05-26

[21] **2,325,024**  
[13] A1

[51] **Int.Cl. 6C07F 7/08 6C08F 10/00 6C07F 5/02 6C08F 210/16 6C08F 4/58**  
[25] EN  
[54] **NOVEL DENDRIMER COMPOUNDS, METHOD FOR THE PRODUCTION THEREOF, USE THEREOF AS CATALYSTS**  
[54] **NOUVEAUX COMPOSES DENDRIMERES, LEUR PROCEDE DE PRODUCTION ET LEUR UTILISATION COMME CATALYSEURS**  
[72] WINDISCH, HEIKE, DE  
[72] DENNINGER, UWE, DE  
[72] MAGER, MICHAEL, DE  
[72] BECKE, SIGURD, DE  
[71] BAYER AKTIENGESELLSCHAFT, DE  
[85] 2000-09-21  
[86] 1999-03-11 (PCT/EP99/01558)  
[87] 1999-09-30 (WO99/48898)  
[30] DE (198 12 881.9) 1998-03-24

[21] **2,325,025**  
[13] A1

[51] **Int.Cl. 6H05K 3/28 6H05K 9/00 6H05K 3/18**  
[25] EN  
[54] **MOULDED PART AND FLEXIBLE FILM WITH A PROTECTED PRINTED CONDUCTOR, AND METHOD FOR PRODUCING THE SAME**  
[54] **PIECE MOULEE ET FEUILLE FLEXIBLE DOTE DE CONDUCTEURS IMPRIMES PROTEGES ET LEUR PROCEDE DE PRODUCTION**  
[72] VOSS, JOCHEN, DE  
[72] WOLF, GERHARD DIETER, DE  
[72] JONAS, FRIEDRICH, DE  
[71] BAYER AKTIENGESELLSCHAFT, DE  
[85] 2000-09-21  
[86] 1999-03-11 (PCT/EP99/01560)  
[87] 1999-09-30 (WO99/49707)  
[30] DE (198 12 880.0) 1998-03-24

[21] **2,325,047**  
[13] A1

[51] **Int.Cl. 7F04C 11/00 7F04C 15/00**  
[25] EN  
[54] **SUBMERSIBLE PUMP FOR USE IN A BORE HOLE**  
[54] **DISPOSITIF A POMPE SUBMERSIBLE A UTILISER DANS UN TROU DE FORAGE**  
[72] EITLER, JORG, DE  
[71] NETZSCH-MOHNOPUMPEN GMBH, DE  
[85] 2000-06-20  
[86] 1999-10-22 (PCT/EP99/08021)  
[87] 2000-05-04 (WO00/25026)  
[30] DE (198 48 792.4) 1998-10-22

[21] **2,325,048**  
[13] A1

[51] **Int.Cl. 6F04D 25/16 6F04D 25/04**  
[25] EN  
[54] **SMALL TURBO COMPRESSOR**  
[54] **PETIT TURBOCOMPRESSEUR**  
[72] LEE, HEON SEOK, KR  
[71] LEE, HEON SEOK, KR  
[85] 2000-09-20  
[86] 1999-03-18 (PCT/KR99/00120)  
[87] 1999-09-30 (WO99/49222)  
[30] KR (1998/9555) 1998-03-20

[21] **2,325,049**  
[13] A1

[51] **Int.Cl. 6C12N 15/12 6C12N 5/10 6G01N 33/68 6C12Q 1/68 6C07K 14/705 6C12N 15/85**  
[25] EN  
[54] **MAMMALIAN EDG-7 RECEPTOR HOMOLOGS**  
[54] **HOMOLOGUES DE RECEPTEURS EDG-7 MAMMALIENS**  
[72] GUPTA, ASHWANI K., CA  
[72] MUNROE, DONALD G., CA  
[72] ZASTAWNY, ROMAN L., CA  
[71] NPS ALLELIX CORP., CA  
[85] 2000-06-27  
[86] 1998-12-30 (PCT/CA98/01196)  
[87] 1999-07-15 (WO99/35106)  
[30] US (60/070,184) 1997-12-30

[21] **2,325,053**  
[13] A1

[51] **Int.Cl. 6A23C 9/15 6A23C 11/00 6A23G 1/00 6A23G 3/00 6A23G 9/02 6A23C 9/156**  
[25] EN  
[54] **SKIMMED MILK POWDER SUBSTITUTE**  
[54] **SUBSTITUT DE POUDRE DE LAIT ECREME**  
[72] PIPA, FERNANDO, DE  
[72] LAVERTY, RICHARD JAMES, DE  
[72] KRUGER, CHRISTOF FRIEDRICH KARL, DE  
[72] CORDTS, HANS-ULRICH, DE  
[71] NZMP (GERMANY) GMBH, DE  
[71] XYROFIN OY, FI  
[85] 2000-08-01  
[86] 1999-02-03 (PCT/EP99/00700)  
[87] 1999-08-12 (WO99/39585)  
[30] EP (98101821.1) 1998-02-03

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[21] **2,325,060**  
[13] A1

[51] **Int.Cl. 6G01N 27/62**  
[25] EN  
[54] **METHOD FOR DETECTING ELEMENTS IN SOLUTIONS AND DEVICE FOR REALISING THE SAME**  
[54] **PROCEDE PERMETTANT DE DETECTER DES ELEMENTS DANS DES SOLUTIONS ET DISPOSITIF DE MISE EN OEUVRE DE CE PROCEDE**  
[72] SHOLUPOV, SERGEI  
EVGENIEVICH, RU  
[72] GANEEV, ALEXANDR  
AKHATOVICH, RU  
[72] SHOLUPOV, SERGEI  
EVGENIEVICH, RU  
[72] GANEEV, ALEXANDR  
AKHATOVICH, RU  
[71] SHOLUPOV, SERGEI  
EVGENIEVICH, RU  
[71] GANEEV, ALEXANDR  
AKHATOVICH, RU  
[85] 2000-09-20  
[86] 1999-03-09 (PCT/RU99/00079)  
[87] 1999-09-30 (WO99/49308)  
[30] RU (98105314) 1998-03-23  
[30] RU (98105314) 1998-03-23

[21] **2,325,062**  
[13] A1

[51] **Int.Cl. 7A61F 13/514**  
[25] EN  
[54] **STABILITY IMPROVED HYGIENE PROTECTOR**  
[54] **ARTICLE D'HYGIENE A STABILITE AMELIOREE**  
[72] BJORNBERG, STEN GUNNAR, SE  
[71] FAGERDALA WORLD FOAMS AB, SE  
[85] 2000-09-21  
[86] 2000-01-25 (PCT/SE00/00142)  
[87] 2000-07-27 (WO00/42963)  
[30] SE (9900207-3) 1999-01-25

[21] **2,325,078**  
[13] A1

[51] **Int.Cl. 7B21J 5/08 7B21D 41/02**  
[25] EN  
[54] **METHOD AND DEVICE FOR INCREASING DIAMETER OF METAL SHAFT MATERIAL**  
[54] **PROCEDE ET DISPOSITIF PERMETTANT D'ACCROITRE LE DIAMETRE D'UN TUBE METALLIQUE**  
[72] IURA, TADASHI, JP  
[72] YAMAMOTO, KEIJI, JP  
[72] MORI, KAZUKI, JP  
[71] IURA CO., LTD., JP  
[85] 2000-09-20  
[86] 2000-01-19 (PCT/JP00/00237)  
[87] 2000-07-27 (WO00/43149)  
[30] JP (11/51355) 1999-01-20  
[30] JP (11/82164) 1999-02-17  
[30] JP (11/103056) 1999-03-04  
[30] JP (11/116979) 1999-03-19  
[30] JP (11/155713) 1999-06-02  
[30] JP (11/242590) 1999-08-30

[21] **2,325,080**  
[13] A1

[51] **Int.Cl. 6A61K 31/195**  
[25] EN  
[54] **DFMO AND SULINDAC COMBINATION IN CANCER CHEMOPREVENTION**  
[54] **COMBINAISON DE DFMO ET DE SULINDAC DANS LA CHIMIOPREVENTION DU CANCER**  
[72] MEYSKENS, FRANK L., JR., US  
[72] GERNER, EUGENE W., US  
[71] THE ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA, US  
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
[85] 2000-09-21  
[86] 1999-03-26 (PCT/US99/06693)  
[87] 1999-10-07 (WO99/49859)  
[30] US (60/079,850) 1998-03-28

[21] **2,325,432**  
[13] A1

[51] **Int.Cl. 6D21F 1/70 6B03D 1/14 6D21B 1/32**  
[25] EN  
[54] **METHOD AND DEVICE FOR FLOTATION OF POLLUTANTS FROM AN AQUEOUS FIBROUS MATERIAL SUSPENSION**  
[54] **PROCEDE ET DISPOSITIF POUR SEPARER PAR FLOTTATION DES SUBSTANCES POLLUANTES CONTENUES DANS UNE SUSPENSION AQUEUSE DE MATIERES FIBREUSES**  
[72] KEMPER, MARTIN, DE  
[71] VOITH SULZER PAPIERTECHNIK PATENT GMBH, DE  
[85] 2000-09-22  
[86] 1999-05-04 (PCT/EP99/03008)  
[87] 1999-12-02 (WO99/61699)  
[30] DE (198 23 053.2) 1998-05-22

[21] **2,325,433**  
[13] A1

[51] **Int.Cl. 6D21C 5/02 6D21H 21/02 6D21C 9/08**  
[25] EN  
[54] **METHOD FOR INHIBITING THE DEPOSITION OF WHITE PITCH IN PAPER PRODUCTION**  
[54] **PROCEDE D'INHIBITION DU DEPOT DE POIX BLANC AU COURS DE LA PRODUCTION DE PAPIER**  
[72] CROFT, ALAN P., US  
[71] THE DOW CHEMICAL COMPANY, US  
[85] 2000-09-22  
[86] 1999-03-02 (PCT/US99/04792)  
[87] 1999-09-30 (WO99/49128)  
[30] US (09/047,803) 1998-03-25

[21] **2,325,434**  
[13] A1

[51] **Int.Cl. 6H03H 9/64 6H03H 9/02**  
[25] EN  
[54] **SURFACE-WAVE ACOUSTIC FILTER**  
[54] **FILTRE ACOUSTIQUE A ONDES DE SURFACE**  
[72] BAUERNSCHMITT, ULRICH, DE  
[72] ROSLER, ULRIKE, DE  
[72] ALI-HACKL, MARKUS, DE  
[72] BAIER, THOMAS, DE  
[72] JOHANNES, THOMAS, DE  
[72] FREISLEBEN, STEFAN, DE  
[71] EPCOS AG, DE  
[85] 2000-09-22  
[86] 1999-03-22 (PCT/DE99/00843)  
[87] 1999-09-30 (WO99/49573)  
[30] DE (198 12 641.7) 1998-03-23

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<p style="text-align: center;">[21] <b>2,325,435</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B01J 19/32 6B01J 8/06</b> [25] EN [54] <b>FIXED CATALYTIC BED REACTOR</b> [54] <b>REACTEUR A LIT CATALYTIQUE FIXE</b> [72] CALIS, HANS PETER A., NL [72] DAUTZENBERG, FRITZ, US [72] GUPTA, AVINASH, US [72] STRANGIO, VINCENT A., US [71] ABB LUMMUS GLOBAL INC., US [85] 2000-09-22 [86] 1999-03-22 (PCT/US99/06242) [87] 1999-09-30 (WO99/48604) [30] US (60/078,996) 1998-03-23</p>	<p style="text-align: center;">[21] <b>2,325,438</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A45F 3/20 6A63B 21/065</b> [25] EN [54] <b>LIQUID DISPENSER AND METHOD OF DISPENSING</b> [54] <b>DISTRIBUTEUR DE LIQUIDE ET PROCEDE DE DISTRIBUTION</b> [72] DITOMASSO, JOSEPH, US [72] DITOMASSO, BEVERLY, US [71] DITOMASSO, JOSEPH, US [71] DITOMASSO, BEVERLY, US [85] 2000-09-22 [86] 1999-03-24 (PCT/US99/06399) [87] 1999-09-30 (WO99/48405) [30] US (09/046,874) 1998-03-24</p>	<p style="text-align: center;">[21] <b>2,325,441</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61M 29/00</b> [25] EN [54] <b>PRESSURE GAUGE WITH DIGITAL STEPPING MOTOR AND REUSABLE TRANSFER PLUG</b> [54] <b>MANOMETRE A MOTEUR PAS-A-PAS REAGISSANT AUX SIGNAUX NUMERIQUES ET BOUCHON DE TRANSFERT RETUTILISABLE</b> [72] STOUT, THOMAS D., US [72] TAYLOR, STEVEN R., US [71] MERIT MEDICAL SYSTEMS, INC., US [85] 2000-09-22 [86] 1999-03-17 (PCT/US99/05789) [87] 1999-09-30 (WO99/48551) [30] US (09/048,091) 1998-03-25</p>
<p style="text-align: center;">[21] <b>2,325,436</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61K 39/295 6A61K 39/05 6A61K 39/08 6A61K 39/09 6A61K 39/095 6A61K 39/10 6A61K 39/102 6A61K 39/13 6A61K 39/29 6A61K 39/39</b> [25] EN [54] <b>HIB/DTPA VACCINE COMPOSITION AND METHODS OF PREPARATION</b> [54] <b>COMPOSITION DE VACCIN CONTRE HIB/DTPA ET SES METHODES DE PREPARATION</b> [72] MAINIL, ROLAND, BE [72] ARTOIS, CLAUDE, BE [72] GARCON, NATHALIE, BE [72] DE HEYDER, KOEN, BE [72] DESMONS, PIERRE, BE [71] SMITHKLINE BEECHAM BIOLOGICALS S.A., BE [85] 2000-09-22 [86] 1999-03-22 (PCT/EP99/01959) [87] 1999-09-30 (WO99/48525) [30] GB (9806456.1) 1998-03-25</p>	<p style="text-align: center;">[21] <b>2,325,439</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61K 47/48</b> [25] EN [54] <b>METHODS AND MEANS FOR THE TREATMENT OF IMMUNE RELATED DISEASES</b> [54] <b>METHODES ET MOYENS DE TRAITEMENT DE MALADIES D'ORIGINE IMMUNOLOGIQUE</b> [72] VAN OOSTERHOUT, YPKE VINCENTIUS JOHANNES MARIA, NL [72] VAN EMST, JANNY ELISABETH, NL [71] IMMUNOTOKO B.V., NL [85] 2000-09-22 [86] 1999-03-19 (PCT/NL99/00156) [87] 1999-09-30 (WO99/48534) [30] EP (98200917.7) 1998-03-23 [30] US (60/079,086) 1998-03-23</p>	<p style="text-align: center;">[21] <b>2,325,442</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61K 38/21 6A61K 31/135 6A61K 31/275 6A61K 31/38 6A61K 31/40 6A61K 31/535 6A61K 31/55</b> [25] EN [54] <b>TREATMENT OF CARDIAC HYPERTROPHY</b> [54] <b>TRAITEMENT DE L'HYPERTROPHIE CARDIAQUE</b> [72] JIN, HONGKUI, US [72] LU, HSIENWIE, US [72] PAONI, NICHOLAS J., US [72] YANG, RENHUI, US [71] GENENTECH, INC., US [85] 2000-09-22 [86] 1999-03-19 (PCT/US99/06032) [87] 1999-10-14 (WO99/51260) [30] US (60/080,448) 1998-04-02</p>
<p style="text-align: center;">[21] <b>2,325,437</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A23L 1/30 6A23L 1/302 6A61K 31/355 6A61K 35/78</b> [25] EN [54] <b>NATURAL SUBSTANCE BASED AGENT</b> [54] <b>PRODUIT A BASE DE SUBSTANCES NATURELLES</b> [72] STUCKLER, FRANZ, AT [71] STUCKLER, FRANZ, AT [85] 2000-09-22 [86] 1999-03-24 (PCT/AT99/00079) [87] 1999-09-30 (WO99/48386) [30] AT (A 525/98) 1998-03-24</p>	<p style="text-align: center;">[21] <b>2,325,440</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A23K 1/165 6A01H 5/00 6C12N 9/16</b> [25] EN [54] <b>THERMOSTABLE PHYTASES IN FEED PREPARATION AND PLANT EXPRESSION</b> [54] <b>PHYTASES THERMOSTABLES DANS LA PREPARATION DE NOURRITURE POUR ANIMAUX ET LEURS EXPRESSION CHEZ LES PLANTES</b> [72] PETERSEN, SVEND, DK [71] NOVO NORDISK A/S, DK [85] 2000-09-22 [86] 1999-03-22 (PCT/DK99/00154) [87] 1999-09-30 (WO99/48380) [30] DK (0407/98) 1998-03-23 [30] DK (PA 1998 00806) 1998-06-19 [30] DK (PA 1998 01176) 1998-09-18 [30] DK (PA 1999 00091) 1999-01-22 [30] DK (PA 1999 00093) 1999-01-22</p>	<p style="text-align: center;">[21] <b>2,325,443</b> [13] A1</p> <p>[51] <b>Int.Cl. 6F16D 7/02 6B66D 1/04</b> [25] EN [54] <b>TORQUE LIMITING CAM</b> [54] <b>CAME DE LIMITATION DE COUPLE</b> [72] ALDRIDGE, LAWRENCE C., US [72] OWNBEY, FLETCHER B., US [71] VALLEY INDUSTRIES, INC., US [85] 2000-09-22 [86] 1999-03-30 (PCT/US99/06973) [87] 1999-10-07 (WO99/50565) [30] US (60/080,088) 1998-03-31 [30] US (09/281,657) 1999-03-30</p>

## PCT Applications Entering the National Phase

<p style="text-align: center;">[21] <b>2,325,444</b> [13] A1</p> <p>[51] <b>Int.Cl. 6G07F 19/00 6G07F 7/10 6G06F 17/60</b> [25] EN [54] <b>APPARATUS AND METHOD FOR PROVIDING TRANSACTION SERVICES</b> [54] <b>PROCEDE ET DISPOSITIF POUR LA REALISATION DE SERVICES TRANSACTIONNELS</b> [72] KORALA, ARAVINDA, GB [71] KORALA ASSOCIATES LIMITED, GB [85] 2000-09-22 [86] 1999-03-24 (PCT/GB99/00927) [87] 1999-09-30 (WO99/49431) [30] GB (9806843.0) 1998-03-24</p>	<p style="text-align: center;">[21] <b>2,325,446</b> [13] A1</p> <p>[51] <b>Int.Cl. 6H04B 7/005 6H04Q 7/22</b> [25] EN [54] <b>DELAY CONTROL METHOD</b> [54] <b>PROCEDE DE CONTROLE DE DELAIS</b> [72] KEKKI, SAMI, FI [72] AHMAVAARA, KALLE, FI [71] NOKIA NETWORKS OY, FI [85] 2000-09-22 [86] 1999-03-31 (PCT/FI99/00269) [87] 1999-10-07 (WO99/50972) [30] FI (980735) 1998-03-31</p>	<p style="text-align: center;">[21] <b>2,325,450</b> [13] A1</p> <p>[51] <b>Int.Cl. 7G11B 7/007 7G11B 20/10 7G11B 27/10 7G11B 20/14 7G11B 27/19 7G11B 27/30</b> [25] EN [54] <b>RECORD CARRIER AND APPARATUS FOR SCANNING THE RECORD CARRIER</b> [54] <b>SUPPORT D'ENREGISTREMENT ET APPAREIL POUR BALAYER LEDIT SUPPORT D'ENREGISTREMENT</b> [72] NIJBOER, JAKOB G., NL [72] WEYENBERGH, PAULUS G. P., NL [72] SPRUIT, JOHANNES H. M., NL [72] VAN VLERKEN, JOHANNES J. L. M., NL [72] DRENTEN, RONALD R., NL [71] KONINKLIJKE PHILIPS ELECTRONICS N.V., NL [85] 2000-09-22 [86] 2000-01-11 (PCT/EP00/00224) [87] 2000-07-27 (WO00/43996) [30] EP (99200201.4) 1999-01-25 [30] EP (99200461.4) 1999-02-18</p>
<p style="text-align: center;">[21] <b>2,325,445</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61K 31/55 6A61K 48/00 6C12Q 1/02 6C12N 5/08 6C12N 15/12 6C12N 1/21 6A61K 39/395 6C12Q 1/48 6G01N 33/574 6C12N 15/63 6G01N 33/68 6A61K 31/70</b> [25] EN [54] <b>PERIPHERAL-TYPE BENZODIAZEPINE RECEPTOR: A TOOL FOR DETECTION, DIAGNOSIS, PROGNOSIS, AND TREATMENT OF CANCER</b> [54] <b>RECEPTEUR DES BENZODIAZEPINES DE TYPE PERIPHERIQUE: OUTIL DE DETECTION, DE DIAGNOSTIC, DE PRONOSTIC ET DE TRAITEMENT DU CANCER</b> [72] PAPADOPOULOS, VASSILIOS, US [72] CULTY, MARTINE, US [71] GEORGETOWN UNIVERSITY MEDICAL CENTER, US [85] 2000-09-22 [86] 1999-03-25 (PCT/US99/06515) [87] 1999-09-30 (WO99/49316) [30] US (09/047,652) 1998-03-25</p>	<p style="text-align: center;">[21] <b>2,325,448</b> [13] A1</p> <p>[51] <b>Int.Cl. 6H04J 3/16 6H04Q 11/04 6H04J 3/06</b> [25] EN [54] <b>METHOD FOR TRANSMITTING DATA, ENCODER AND DECODER</b> [54] <b>PROCEDE DE TRANSMISSION DE DONNEES, CODEUR ET DECODEUR</b> [72] HUBER, SIEGFRIED, DE [71] SIEMENS AKTIENGESSELLSCHAFT, DE [85] 2000-09-22 [86] 1999-03-04 (PCT/DE99/00575) [87] 1999-09-30 (WO99/49604) [30] DE (198 13 168.2) 1998-03-25</p>	<p style="text-align: center;">[21] <b>2,325,451</b> [13] A1</p> <p>[51] <b>Int.Cl. 6F16L 13/14</b> [25] EN [54] <b>PIPE CONNECTION</b> [54] <b>RACCORD DE TUYAUX</b> [72] FOERING, HERBERT, DE [72] FRANZEN, RAINER, DE [71] MAPRESS GMBH &amp; CO. KG, DE [85] 2000-09-22 [86] 1999-02-23 (PCT/DE99/00567) [87] 1999-09-30 (WO99/49255) [30] DE (198 13 805.9) 1998-03-24</p>
<p style="text-align: center;">[21] <b>2,325,449</b> [13] A1</p> <p>[51] <b>Int.Cl. 6F16L 55/162</b> [25] EN [54] <b>APPARATUS FOR INTERNALLY COATING LIVE GAS PIPE JOINTS OR OTHER DISCONTINUITIES</b> [54] <b>DISPOSITIF DE CHEMISAGE INTERIEUR DES JOINTS ET AUTRES DISCONTINUITES DES TUBES DE GAZ SOUS PRESSION</b> [72] NICHOLS, RANDALL A., US [71] NEUCO, INC., US [85] 2000-09-22 [86] 1999-03-24 (PCT/US99/06412) [87] 1999-09-30 (WO99/49258) [30] US (09/047,837) 1998-03-25</p>	<p style="text-align: center;">[21] <b>2,325,452</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A63B 67/00</b> [25] EN [54] <b>SKILL-BASED WATER GUN GAME</b> [54] <b>JEU D'ADRESSE A CANON A EAU</b> [72] KELLY, BRYAN M., US [72] OLTMANN, J., RICHARD, US [72] PETERMEIER, NORMAN B., US [71] ARCADE PLANET, INC., US [85] 2000-09-22 [86] 1999-02-01 (PCT/US99/02151) [87] 1999-09-30 (WO99/48572) [30] US (60/079,016) 1998-03-23 [30] US (09/098,446) 1998-06-17</p>	

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<p style="text-align: right;">[21] <b>2,325,453</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C22C 38/24</b> [25] EN [54] <b>COLD WORK STEEL</b> [54] <b>ACIER D'ECROUISSAGE</b> [72] JOHANSSON, BORJE, SE [72] SANDBERG, ODD, SE [71] UDDEHOLM TOOLING AKTIEBOLAG, SE [85] 2000-09-22 [86] 1999-03-08 (PCT/SE99/00346) [87] 1999-10-07 (WO99/50469) [30] SE (9801045-7) 1998-03-27</p>	<p style="text-align: right;">[21] <b>2,325,456</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B29C 45/17</b> [25] EN [54] <b>MOLD CLOSING UNIT FOR AN INJECTION MOLDING MACHINE</b> [54] <b>UNITE DE FERMETURE DE MOULE POUR UNE PRESSE D'INJECTION</b> [72] HEHL, KARL, DE [71] HEHL, KARL, DE [85] 2000-09-21 [86] 1999-03-20 (PCT/EP99/01869) [87] 1999-09-30 (WO99/48667) [30] DE (198 12 741.3) 1998-03-24</p>	<p style="text-align: right;">[21] <b>2,325,460</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C07H 19/10 6A61K 9/00 6A61K 31/70</b> [25] EN [54] <b>AZT DERIVATIVES EXHIBITING SPERMICIDAL AND ANTI-VIRAL ACTIVITY</b> [54] <b>DERIVES DE L'AZT FAISANT PREUVE D'UNE ACTIVITE SPERMICIDE ET ANTIVIRALE</b> [72] VENKATACHALAM, TARACAD, US [72] D'CRUZ, OSMOND, US [72] UCKUN, FATIH M., US [71] PARKER HUGHES INSTITUTE, US [85] 2000-09-21 [86] 1999-03-23 (PCT/US99/06381) [87] 1999-09-30 (WO99/48902) [30] US (09/047,609) 1998-03-25</p>
<p style="text-align: right;">[21] <b>2,325,454</b> [13] A1</p> <p>[51] <b>Int.Cl. 6F24F 1/00 6F25D 11/00 6F25D 23/00 6F28F 21/00 6F24F 11/02 6F28F 21/04 6F25D 17/06</b> [25] EN [54] <b>COOLING METHOD AND COOLING APPARATUS</b> [54] <b>PROCEDE ET DISPOSITIF DE REFRIGERATION</b> [72] NAGAOKA, MORITOSHI, JP [71] E.T.I CO., LTD., JP [71] ARTHA CO., LTD., JP [85] 2000-09-22 [86] 1998-03-25 (PCT/JP98/01314) [87] 1999-09-30 (WO99/49267)</p>	<p style="text-align: right;">[21] <b>2,325,458</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B25J 9/08 6B25J 17/02 6B25J 9/06</b> [25] EN [54] <b>MODULAR ARTICULATED ROBOT STRUCTURE</b> [54] <b>STRUCTURE MODULAIRE DE ROBOT ARTICULE</b> [72] KHAIRALLAH, CHARLES, CA [71] KHAIRALLAH, CHARLES, CA [85] 2000-09-21 [86] 1998-04-01 (PCT/CA98/00293) [87] 1998-10-08 (WO98/43782) [30] GB (9706625.2) 1997-04-01</p>	<p style="text-align: right;">[21] <b>2,325,461</b> [13] A1</p> <p>[51] <b>Int.Cl. 6F01M 11/03</b> [25] EN [54] <b>ARRANGEMENT IN AN OIL FILTER WITH INTEGRAL OIL COOLER</b> [54] <b>MONTAGE DANS UN FILTRE A HUILE D'UN REFRIGERISSEUR D'HUILE INTEGRE</b> [72] EDMAN, ERIK, SE [71] PUROLATOR PRODUCTS COMPANY, US [85] 2000-09-21 [86] 1999-03-24 (PCT/SE99/00457) [87] 1999-09-30 (WO99/49188) [30] US (09/046,760) 1998-03-24</p>
<p style="text-align: right;">[21] <b>2,325,455</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B23K 35/363</b> [25] EN [54] <b>NEW FLUXING AGENTS</b> [54] <b>NOUVEAUX FLUX</b> [72] SESEKE-KOYRO, ULRICH, DE [72] BECKER, ANDREAS, DE [72] FREHSE, JOACHIM, DE [71] SOLVAY FLUOR UND DERIVATE GMBH, DE [85] 2000-09-22 [86] 1999-03-23 (PCT/DE99/00851) [87] 1999-09-30 (WO99/48641) [30] DE (198 13 023.6) 1998-03-25</p>	<p style="text-align: right;">[21] <b>2,325,459</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61B 5/00</b> [25] EN [54] <b>INSTRUMENT AND METHOD FOR LOCATING AND MARKING A "HOT SPOT" IN A PERSON'S BODY TISSUE</b> [54] <b>INSTRUMENT ET PROCEDE SERVANT A LOCALISER UNE ZONE DE TISSU CORPOREL ET A LA MARQUER D'UN REPERE</b> [72] WEIZER, ALEX, IL [72] SHALOM, MOSHE, IL [72] GHILAI, SHAI, IL [71] VEINO-MED LTD., IL [85] 2000-09-21 [86] 1999-03-23 (PCT/IL99/00162) [87] 1999-09-30 (WO99/48420) [30] IL (123787) 1998-03-23</p>	<p style="text-align: right;">[21] <b>2,325,492</b> [13] A1</p> <p>[51] <b>Int.Cl. 6G01V 3/00</b> [25] EN [54] <b>MAGNETIC RESONANCE DETECTION COIL THAT IS IMMUNE TO ENVIRONMENTAL NOISE</b> [54] <b>BOBINE DE DETECTION A RESONANCE MAGNETIQUE BLINDEE CONTRE LE BRUIT AMBIANT</b> [72] GARROWAY, ALLEN N., US [72] SUITS, BRYAN H., US [72] MILLER, JOEL B., US [71] THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SE, US [85] 2000-09-22 [86] 1999-04-01 (PCT/US99/09283) [87] 1999-10-07 (WO99/50689) [30] US (09/053,065) 1998-04-01</p>



## PCT Applications Entering the National Phase

<p style="text-align: center;">[21] <b>2,325,495</b> [13] A1</p> <p>[51] <b>Int.Cl. 6G03B 37/00 6G03B 21/00</b> [25] EN [54] <b>METHOD AND DEVICE FOR WIDE-ANGLE PROJECTION</b> [54] <b>PROCEDE ET DISPOSITIF POUR PROJECTION GRAND ANGLE</b> [72] MAYR, PETER, DE [71] DATAFRAME VERTRIEB AUDIOVISUELLER KOMMUNIKATIONSSYSTEME GMBH, DE [85] 2000-09-22 [86] 1999-02-11 (PCT/EP99/00897) [87] 1999-08-19 (WO99/41641) [30] DE (198 05 507.2) 1998-02-11</p>	<p style="text-align: center;">[21] <b>2,325,498</b> [13] A1</p> <p>[51] <b>Int.Cl. 6F16J 15/00</b> [25] EN [54] <b>PIPE CONNECTION GASKET RACCORD DE TUYAUTERIE</b> [54] <b>JOINT D'ETANCHEITE POUR RACCORD DE TUYAUTERIE</b> [72] ZIMMERLY, ROBERT D., US [71] TRI-CLOVER, INC., US [85] 2000-09-22 [86] 1999-04-01 (PCT/US99/07212) [87] 1999-10-14 (WO99/51895) [30] US (09/054,327) 1998-04-02</p>	<p style="text-align: center;">[21] <b>2,325,504</b> [13] A1</p> <p>[51] <b>Int.Cl. 6F41A 17/66</b> [25] EN [54] <b>STRIKING PIN CONTROL MECHANISM</b> [54] <b>COMMANDE DE GACHETTE</b> [72] FLUHR, NORBERT, DE [71] HECKLER &amp; KOCH GMBH, DE [85] 2000-09-22 [86] 1999-01-19 (PCT/EP99/00294) [87] 1999-09-30 (WO99/49272) [30] DE (198 12 951.3) 1998-03-24</p>
<p style="text-align: center;">[21] <b>2,325,496</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C08F 230/04</b> [25] EN [54] <b>STYRENE SULFONATE CATION EXCHANGE MEMBRANE</b> [54] <b>MEMBRANE D'ECHANGE DE CATIONS A BASE DE STYRENE-SULFONATE</b> [72] LIN, JUCHUI RAY, US [72] ZHENG, YONGCHANG, US [72] MIR, LEON, US [71] IONICS, INCORPORATED, US [85] 2000-09-22 [86] 1999-03-23 (PCT/US99/06397) [87] 1999-09-30 (WO99/48940) [30] US (09/046,292) 1998-03-23</p>	<p style="text-align: center;">[21] <b>2,325,499</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C07C 29/149 6C07C 67/08 6C07D 307/08 6C07C 29/17 6C07D 307/20</b> [25] EN [54] <b>PROCESS FOR THE PREPARATION OF BUTANEDIOL, BUTYROLACTONE AND TETRAHYDROFURAN</b> [54] <b>PROCEDE DE PREPARATION DE BUTANEDIOL, DE BUTYROLACTONE, ET DE TETRAHYDROFURANE</b> [72] HILES, ANDREW GEORGE, GB [72] REED, GRAHAM, GB [72] EASTLAND, PHILIP HENRY DONALD, GB [72] TUCK, MICHAEL WILLIAM MARSHALL, GB [71] BASF AKTIENGESELLSCHAFT, DE [85] 2000-09-22 [86] 1999-03-19 (PCT/GB99/00881) [87] 1999-09-30 (WO99/48852) [30] EP (98302163.5) 1998-03-23</p>	<p style="text-align: center;">[21] <b>2,325,506</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C01B 3/40 6C01B 3/38 6C01B 3/48</b> [25] EN [54] <b>CATALYTIC GENERATION OF HYDROGEN</b> [54] <b>PRODUCTION CATALYTIQUE D'HYDROGENE</b> [72] CARPENTER, IAN WILLIAM, GB [72] HAYES, JOHN WILLIAM, GB [71] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB [85] 2000-09-22 [86] 1999-03-23 (PCT/GB99/00753) [87] 1999-09-30 (WO99/48805) [30] GB (9806199.7) 1998-03-24</p>
<p style="text-align: center;">[21] <b>2,325,497</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A23K 1/165 6A23K 1/17</b> [25] EN [54] <b>DIETARY SUPPLEMENT FOR PREVENTING OR REDUCING SHEDDING OF HAIR</b> [54] <b>COMPLEMENT ALIMENTAIRE DE PREVENTION OU DE REDUCTION DE LA CHUTE DES POILS</b> [72] ALLEN, BARBARA A., US [71] STABAR ENTERPRISES, INC., US [85] 2000-09-22 [86] 1999-03-18 (PCT/US99/05959) [87] 1999-09-30 (WO99/48381) [30] US (09/047,092) 1998-03-24 [30] US (09/183,933) 1998-10-30</p>	<p style="text-align: center;">[21] <b>2,325,500</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C01B 3/32</b> [25] EN [54] <b>CATALYTIC GENERATION OF HYDROGEN</b> [54] <b>PRODUCTION CATALYTIQUE D'HYDROGENE</b> [72] HAYES, JOHN WILLIAM, GB [72] CARPENTER, IAN WILLIAM, GB [71] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB [85] 2000-09-22 [86] 1999-03-22 (PCT/GB99/00744) [87] 1999-09-30 (WO99/48804) [30] GB (9806198.9) 1998-03-24</p>	

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

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[21] **2,323,547**  
[13] A1  
[51] Int.Cl. 7B23K 9/00 7B23K 9/24  
[25] EN  
[54] ENHANCED CONTACT AREA  
QUICK RELEASE MIG GUN TIP  
[54] TUBE-CONTACT DE PISTOLET  
DE SOUDAGE MIG, A POSE RAPIDE ET  
A SURFACE DE ONTACT AMELIOREE  
[72] COLLING, RONALD W., US  
[71] MILLER ELECTRIC  
MANUFACTURING COMPANY, US  
[22] 1996-09-23  
[43] 1997-06-27  
[62] 2,186,213  
[30] US (08/579,123) 1995-12-26

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[21] **2,324,628**  
[13] A1  
[51] Int.Cl. 7C08J 7/04 7B05D 7/02  
[25] EN  
[54] WATER BASED ADHESION  
PROMOTOR FOR POLYPROPYLENE  
AND METHOD FOR COATING TO  
POLYPROPYLENE MATERIALS  
USING THE PROMOTOR  
[54] PROMOTEUR D'ADHESION A  
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ET PROCEDE DE REVETEMENT SUR  
DES MATERIAUX EN  
POLYPROPYLENE A L'AIDE DU  
PROMOTEUR  
[72] IGARASHI, KAZUO, US  
[72] MCBRIDE, LAURA, US  
[72] WISEMAN, MICHAEL SCOTT, US  
[72] KOMATSU, YASUNORI, US  
[72] KAMEI, SAWAKO, US  
[71] HONDA GIKEN KOGYO  
KABUSHIKI KAISHA, JO  
[71] HONDA OF AMERICA MFG., INC.,  
US  
[22] 2000-02-04  
[43] 2000-08-17  
[62] 2,320,276  
[30] US (09/248,235) 1999-02-10

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[21] **2,324,636**  
[13] A1  
[51] Int.Cl. 7C07D 217/26  
[25] EN  
[54] 1, 2, 3, 4 - TETRAHYDRO - 1, 3 -  
DIOXO - 4 -  
ISOQUINOLINECARBOXYLIC ACID  
METHYL ESTERS  
[54] 1, 2, 3, 4, - TETRAHYDRO - 1, 3 -  
DIOXO - 4 - ACIDE  
ISOQUINOLINECARBOXYLIC  
METHYL ESTERS  
[72] MALAMAS, MICHAEL S., US  
[71] AMERICAN HOME PRODUCTS  
CORPORATION, US  
[22] 1991-05-08  
[43] 1991-11-22  
[62] 2,042,112  
[30] US (526,362) 1990-05-21

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[21] **2,324,655**  
[13] A1  
[51] Int.Cl. 7E02B 11/00  
[25] EN  
[54] APPARATUS FOR THE  
MANUFACTURE OF A  
PREASSEMBLED DRAINAGE LINE  
UNIT  
[54] APPAREIL POUR LA  
FABRICATION D'UNNITE DE  
CANALISATION DE DRAINAGE  
PREASSEMBLEE  
[72] HOUCK, RANDALL J., US  
[72] HOUCK, MICHAEL H., US  
[72] HOUCK, HAROLD J., US  
[71] EZFLOW, L.P., US  
[22] 1991-03-06  
[43] 1992-09-07  
[62] 2,037,617

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[21] **2,325,541**  
[13] A1  
[51] Int.Cl. 7A61K 31/7048 7A61P 31/04  
7A61K 9/22  
[25] EN  
[54] EXTENDED RELEASE  
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ERYTHROMYCIN DERIVATIVES  
[54] FORMULATIONS A LIBERATION  
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D'ERYTHROMYCINE  
[72] GUSTAVSON, LINDA E., US  
[72] AL-RAZZAK, LAMAN A., US  
[72] CRAMPTON, SHERI L., US  
[72] SEMLA, SUSAN J., US  
[72] MILMAN, NELLY, US  
[72] HUI, HO-WAH, US  
[71] ABBOTT LABORATORIES, US  
[22] 1998-03-06  
[43] 1998-10-22  
[62] 2,285,266  
[30] US (08/838,900) 1997-04-11

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ATOFINA	2,312,413	BERNI, CLAUDIO	2,312,181	CAWTHORN, RICHARD	2,310,912
ATOFINA	2,312,416	BERO, EMIL JOHN	2,311,008	CENTER FOR DESIGN RESEARCH AND DEVELOPMENT N.V.	2,311,234
ATOFINA	2,312,417	BERSHAS, JAMES P.	2,279,731	CHAICHEM PHARMACEUTICALS INTERNATIONAL	2,275,980
AVERY DENNISON CORPORATION	2,311,850	BERSTIS, VIKTORS	2,307,269	CHAICHEM PHARMACEUTICALS INTERNATIONAL	2,299,149
AZKONA OLLACARIZQUETA, MANUEL	2,276,121	BERTHIN, JEAN-CLAUDE ANDRE	2,311,256	CHAMBERS, RONALD EDWARD	2,311,822
BABBIT, MICHEL	2,311,172	BÉRUBÉ, JACQUES	2,275,848	CHAMPION, G. L.	2,312,057
BAIKER, ALFONS	2,311,996	BETTI, ROBERTO	2,311,833	CHARLES INDUSTRIES, LTD.	2,312,115
BAKER HUGHES INCORPORATED	2,311,822	BETTY, JOACHIM	2,312,435	CHARLES, JOSEPH T.	2,312,115
BAKER, SCOTT C.	2,305,958	BINDER, MICHAEL	2,312,209	CHENG, YIHAO	2,308,683
BALISTRERI, EMANUELE	2,312,349	BIOPHYS, INC.	2,275,467	CHEVALIER, ALAIN	2,312,309
BANELLI, PAOLO	2,311,833	BISHOP, MICHAEL L.	2,312,454	CHOATE, GREGORY KENT	2,312,461
BARNES, RICHARD LEWIS JR.	2,312,380	BLANKENSHIP, GEORGE D.	2,311,793	CHRISTEN, URS	2,312,309
BARRETT, BRAD C.	2,277,726	BLOCKER, ROBERT W.	2,311,995	CHU, CHUNG CHEUNG C.	2,301,936
BASSE, HARTWIG	2,312,084	BLOOMFIELD, RICHARD M.	2,296,441	CHUAH, MOOI CHOO	2,311,114
BAUR, RUEDIGER	2,311,893	BLYLER, LEE L., JR.	2,310,720	CLARIANT GMBH	2,311,893
BAY WEST PAPER CORPORATION	2,292,340	BOBRICK WASHROOM EQUIPMENT, INC.	2,311,345	CLEARY, LOUISE D.	2,297,422
BAY WEST PAPER CORPORATION	2,292,374	BOBST S.A.	2,308,611	CLOUSER, SIDNEY J.	2,287,536
BAYER		BOLIDEN MINERAL AB	2,307,957	COBOS, MARIA DEL PILAR	2,311,983
AKTIENGESELLSCHAFT	2,276,282	BOLIDEN MINERAL AB	2,309,225	COHEN, ADAM D.	2,311,883
		BOMBARDIER INC.	2,276,643	COLAS	2,312,411
		BOMBARDIER INC.	2,276,648	COLLINS, MICHAEL A.	2,275,843
		BONCHAL, JOHN	2,275,806	COLTRO, CLAUDIO	2,311,612
		BONELLO, ROBERTO	2,312,114	CONCENTRIC PUMPS LIMITED	2,312,604
		BOREL, EDOUARD	2,308,611		
		BOUKHNY, MIKHAIL	2,310,979		
		BOURMAN, RAYMOND	2,308,980		
		BREINING, MICHAEL A.	2,311,825		



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CONVERTI, MAURIZIO	2,311,710	EMHART INC.	2,305,958	GRUBER, HERBERT	2,275,119
COOPER, SUSAN JOY	2,311,962	ENDERS, MARTIN	2,312,132	GUCH, STEVE JR.	2,311,982
COPNER, NIGEL	2,311,883	ENGEL, DAVID	2,275,043	GUIGNE INTERNATIONAL, LTD.	2,310,912
CORREA, LUIS F.	2,308,921	ENI S.P.A.	2,311,034	GUIGNE, JACQUES Y.	2,310,912
COUAILLET, BERTRAND	2,312,248	ENITECNOLOGIE S.P.A	2,311,034	GULUNAY, NECATI	2,311,822
COWLEY, SIMON S.	2,311,216	ENSSLE, JURGEN	2,311,031	GUSLER, JAY	2,311,904
COZAR, RICARDO	2,312,415	ERATUBE INC.	2,275,117	HALLIBURTON ENERGY SERVICES, INC.	2,276,222
CRYAN, COLM V.	2,311,966	ETHYL CORPORATION	2,308,554	HAM, CHUN SIK	2,310,279
CSELT - CENTRO STUDI E LABORATORI TELECOMUNICAZIONI S.P.A.	2,312,114	EVANS, STEVEN D.	2,312,115	HAMMEN, PHILIP DIETRICH	2,311,872
CSELT - CENTRO STUDI E LABORATORI TELECOMUNICAZIONI S.P.A.	2,312,349	F. HOFFMANN-LA ROCHE AG	2,311,996	HANNA, EMMANUEL A.	2,311,345
CULVER, BARRY	2,287,050	FARAL, MICHEL	2,311,172	HARADA, AKIRA	2,311,455
CZUPRYNIAK, PATRICK	2,276,124	FARBOOD, MOHAMAD I.	2,311,995	HARRIS, GWENDOLYN KATE	2,308,674
DA DALT, NICOLA	2,312,114	FARRIES, MARK	2,308,683	HARTMAN, KIM	2,275,124
DAISO CO., LTD.	2,312,385	FARRIES, MARK	2,311,883	HARWOOD, WALTER T.	2,312,115
DALLAS, L. MURRAY	2,275,814	FERAG AG	2,312,181	HARZ, ANDREAS	2,311,893
DARIOTIS, STAVROS	2,311,966	FERSCHNEIDER, GILLES	2,311,034	HASCO INTERNATIONAL, INC.	2,312,010
DARVEAU, DENIS	2,275,731	FLEXXAIRE		HASHIMOTO, MASAKAZU	2,312,229
DAVIDSON, PAUL G.	2,308,949	MANUFACTURING INC.	2,312,217	HASSLER, CHRISTIAN	2,311,618
DAWSON METAL COMPANY INCORPORATED	2,311,054	FORD GLOBAL TECHNOLOGIES, INC.	2,312,309	HATTORI, TOSHIMITSU	2,311,442
DE KOCK, HUGO	2,312,091	FORT JAMES CORPORATION	2,311,825	HE, JIAN-JUN	2,275,800
DE LA RUE GIORI S.A.	2,310,874	FORT JAMES CORPORATION	2,311,860	HEATHERINGTON, DAVID W.	2,308,669
DEAN, CHERYL H.	2,305,849	FOURNIER, BERNARD	2,312,254	HEATHERINGTON, DAVID W.	2,310,494
DECEMBER, JOHN KINGSLEY	2,275,444	FOX, DARRELL EUGENE	2,311,872	HEDSTROM CORPORATION	2,311,779
DEGUSSA-HULS AKTIENGESELLSCHAFT	2,312,209	FREDRICKS, RICHARD E.	2,311,825	HEENAN, ROD	2,275,378
DEGUSSA-HULS AKTIENGESELLSCHAFT	2,312,462	FREEMAN, ROBIN JOHN	2,275,819	HEIDENREICH, JOACHIM	2,311,236
DELAGRANGE, PHILIPPE	2,312,432	FRIEDMAN, SHIMON	2,275,049	HENKEL CORPORATION	2,279,731
DEMBECK ELLA, ED	2,275,904	FUJIE, KAZUHIKO	2,310,706	HENKEL KOMMANDITGESELLSC HAFT AUF AKTIEN	2,311,989
DENEBEIM, SABRINA R.	2,307,937	FUJITA, MEGUMI	2,311,064	HENKEL KOMMANDITGESELLSC HAFT AUF AKTIEN	2,311,994
DESAI, DEVAL M.	2,296,441	FUJITA, YUKIO	2,311,076	HENNES, MARK A.	2,299,736
DESCHENEUX, ROGER PAUL	2,307,356	FUKUDA, KAORU	2,312,446	HERMANN, ULRICH	2,312,435
DÉSORCY, RAYNALD	2,275,117	FUKUDA, TAKASHI	2,311,570	HERNANDEZ-VALENCIA, ENRIQUE	2,311,114
DE' STEFANI, VINCENZO	2,311,575	FUKUDA, YOSHIHITO	2,311,570	HIJIKATA, TOSHIHIKO	2,311,997
DEVRIES, KEITH MICHAEL	2,311,872	FUMI, EUGENIO	2,311,833	HILDINGER, KARL HEINZ	2,311,977
DIERSCH, RUDOLF	2,311,236	FURUKAWA, YOSHIRO	2,312,385	HINOUE, KAZUMASA	2,312,385
DJEIRANISHVILI, NOUGZAR	2,312,247	GAESE, DAGMAR	2,311,218	HOFEREK, DUSAN M.	2,275,809
DOELL, GERHARD	2,312,132	GAGNON, CLAUDE	2,276,643	HOFFMANN, LORRAINE AGNES	2,312,083
DOHERTY, JOHN A.	2,312,453	GAGNON, CLAUDE	2,276,648	HOFMANN, RAINER	2,311,994
DORFMAN, MITCHELL R.	2,308,921	GAN, HONG	2,298,417	HOF, HANS-ULRICH	2,311,618
DORIS ENGINEERING	2,311,256	GARIC-STANKOVIC, ANA	2,305,849	HOGG, David	2,273,453
DUBOIS, Constant	2,275,808	GASCOYNE, JOHN MALCOLM	2,311,874	HOLZLEITNER, JOHANN	2,276,648
DUDLEY, ROBERT	2,306,603	GASCOYNE, JOHN MALCOLM	2,311,962	HOMMURA, HAYATO	2,311,880
DUJARDIN, GAUTHIER	2,275,981	GA-TEK INC. (DOING BUSINESS AS GOULD ELECTRONICS INC.)	2,287,536	HONDA GIKEN KOGYO KABUSHIKI KAISHA	2,311,639
DUPEYRON, DENIS	2,311,069	GEISENBERGER, JOSEF	2,311,893	HONDA GIKEN KOGYO KABUSHIKI KAISHA	2,312,134
DUPUIS, CLAUDE	2,275,981	GEN-TRAN CORPORATION	2,275,817	HONDA GIKEN KOGYO KABUSHIKI KAISHA	2,312,446
DUPUIS, NICOLAS	2,275,980	GERWING, Murray C.	2,312,217	HOOK, LAYNE E.	2,310,784
DUPUIS, NICOLAS	2,299,149	GIESE, PETER A.	2,308,949	HOOVER, DENNIS JAY	2,311,872
ECI TELECOM LTD.	2,311,585	GILLESPIE, MARY-LYNNE M.	2,301,481	HOPKINS, JOHN	2,312,236
ECOLAB INC.	2,312,057	GLOSSOP, NEIL DAVID	2,275,047	HORTON, BRIAN	2,310,840
EDWARDS, JOHN W.	2,311,826	GLUSCHKE, KONRAD	2,311,236	HOSOKAWA, HIDEAKI	2,311,702
EILERS, ROLF	2,311,977	GNB GESELLSCHAFT FUR NUKLEAR-BEHALTER MBH	2,311,236	HOSOYA, HIROSHI	2,312,229
ELDER, DAVID PHILIP	2,291,542	GONZALO, STEVEN M.	2,308,954	HOVEX B.V.	2,311,747
ELIASSON, BALDUR	2,309,482	GOODMAN, AARON GARY	2,312,311	HSU, CHRISTOPHER	2,311,793
ELLIOTT, ADAM T.	2,292,340	GOTAY, JAMES A.	2,297,422		
ELLIOTT, ADAM T.	2,292,374	GRABWOSKI, JAMES R.	2,312,010		
		GRAD, HELEN	2,275,049		
		GRANDPREY, GREG	2,312,057		
		GRAVLEY, ROY J.	2,297,882		
		GRAVLEY, ROY J.	2,297,883		

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HUNTER, MARC	2,311,066	KAJI, SHINICHI	2,312,229	LIU, CHANG-JUN	2,309,482
HUTCHERSON, R. KENNETH	2,297,422	KASAHARA, MISA	2,306,679	LORD CORPORATION	2,311,981
IDEAL HORIZONS INC.	2,295,240	KASAHARA, MISA	2,311,076	L'OREAL	2,311,277
IMOTO, HIROSHI	2,311,880	KATIRAI, Bahram	2,275,053	L'OREAL	2,312,202
IMPHY UGINE PRECISION	2,312,415	KATO, NORIYOSHI	2,311,076	LUCENT TECHNOLOGIES	
INGHAM, ANTHONY ELLIS	2,287,100	KAWANO, SHINNOSUKE	2,311,639	INC.	2,310,690
INNOVATIVE GRAPHICS INC.	2,275,043	KAYSER, FRANCOIS	2,309,098	LUCENT TECHNOLOGIES	
INSTITUT FRANCAIS DU		KEARNEY, WILLIAM T., III	2,292,340	INC.	2,310,720
PETROLE	2,311,034	KERKHOFFS, WOLFGANG	2,311,977	LUCENT TECHNOLOGIES	
INTERNATIONAL BUSINESS		KERTESZ, JANOS	2,311,774	INC.	2,310,911
MACHINES		KIANG, T. ROGER	2,311,111	LUCENT TECHNOLOGIES	
CORPORATION	2,307,269	KIESSLING, THOMAS		INC.	2,310,982
INTERNATIONAL BUSINESS		RICHARD	2,311,691	LUCENT TECHNOLOGIES	
MACHINES		KIM, AUGUSTINE YONGHWI	2,311,995	INC.	2,310,999
CORPORATION	2,307,356	KIMOTO, YOSUKE	2,311,886	LUCENT TECHNOLOGIES	
INTERNATIONAL BUSINESS		KITAZAWA, KAZUO	2,312,229	INC.	2,311,111
MACHINES		KLEIN, KENNETH	2,310,912	LUCENT TECHNOLOGIES	
CORPORATION	2,307,534	KOCH, WOLFGANG	2,311,618	INC.	2,311,114
INTERNATIONAL BUSINESS		KOOPMANS, ROBERT	2,278,433	LUI, Ling	2,273,453
MACHINES		KOSHIMIZU, TAKASHI	2,312,229	LUMELSKY, LEON L.	2,308,280
CORPORATION	2,308,280	KOT, JOSEPH F.	2,284,324	LUMELSKY, LEON L.	2,308,282
INTERNATIONAL BUSINESS		KOTELES, EMIL S.	2,275,800	LUO, GANG	2,308,949
MACHINES		KOTLICKI, YAACOV	2,311,596	LUPKES, WILHELM FOCKO	2,311,747
CORPORATION	2,308,282	KRAFT FOODS HOLDINGS,		LUPONE, JAMES	2,310,494
INTERNATIONAL FLAVORS		INC.	2,312,083	M.G. MINI GEARS S.P.A.	2,311,575
& FRAGRANCES INC.	2,311,692	KRAFT FOODS, INC.	2,311,691	MA, MUYUAN M.	2,308,214
INTERNATIONAL FLAVORS		KRAFT FOODS, INC.	2,311,983	MACHOLDT, HANS-TOBIAS	2,311,893
& FRAGRANCES INC.	2,311,995	KRAFT FOODS, INC.	2,312,461	MAEDA, YASUAKI	2,310,706
INTERNATIONAL GAME		KRAHN, GERALD C.	2,288,818	MAGER, MICHAEL	2,276,282
TECHNOLOGY	2,312,096	KRUMMEL, PETER	2,311,891	MAGER, MICHAEL	2,312,118
INTERNATIONAL GAME		KRUSE, HANS-FRIEDRICH	2,311,989	MAGNUM MULCHING	
TECHNOLOGY	2,312,121	KUNZLE, NIKLAUS	2,311,996	MOWERS, INC.	2,311,826
ISHIMODA, YUKIKO	2,311,639	KURTZ, MARK E.	2,295,240	MALAKHOW, WALTER	2,311,825
ITAKURA, TATSUYA	2,311,639	KURZMAN, GEORGE	2,299,808	MALLAT, TAMAS	2,311,996
ITELCO - S.P.A.	2,311,833	KYOEI KOGYO CO., LTD.	2,311,455	MANOHAR, NELSON R.	2,308,280
ITELCO - S.P.A.	2,311,878	LAGACE, Gerald	2,275,807	MANOHAR, NELSON R.	2,308,282
ITO, HIDETOSHI	2,311,882	LAGRANGE, ALAIN	2,311,277	MANTY, MARGARET C.	2,311,966
ITOH, SUKEKUNI	2,311,639	LAKESIDE INDUSTRIES, INC.	2,311,054	MARETTO, CRISTINA	2,311,034
IVERS, DOUGLAS E.	2,311,981	LAMSON, WAYNE W.	2,311,860	MARKINZON, EVALD	2,311,585
IVOCLAR AG	2,312,330	LANDEN, FRANZ J.	2,312,232	MARKWART, MICHAEL	2,311,877
IYER, RAJIV	2,311,883	LANDRY, NORMAN	2,276,294	MARMET, ANDRÉ	2,275,994
IZUMI PRODUCTS COMPANY	2,311,697	LAPIERRE, DONALD	2,275,117	MARSEILLE, OLIVER	2,311,977
JABAJI, ISSAM	2,312,018	LASHOMB, DONALD	2,276,386	MARSETTI, SERGIO	2,299,965
JAFFE, JOEL R.	2,308,964	LASKO, VINCENT P.	2,311,608	MARSHALL, ROBERT E.	2,312,459
JANSEN, FRANZ	2,308,921	LASSAM, Norman	2,273,453	MARTIN, JEAN-JACQUES	2,312,413
JDS UNIPHASE INC.	2,308,683	LATHEM TIME, INC.	2,312,454	MARTINO-GAUCHI,	
JDS UNIPHASE INC.	2,311,883	LEA, PETER	2,275,467	GEORGES	2,312,416
JENCO LIMITED	2,275,476	LEDIG, WALTER O.	2,311,692	MASCHINENFABRIK	
JOHNESCU, DOUGLAS M.	2,311,216	LEE, CHINMEI CHEN	2,310,911	SULZER-BURCKHARDT	
JOHNSON & JOHNSON		LEEMHUIS, ADRIAN S.	2,311,366	AG	2,305,918
CONSUMER		LEGEL, DIETER	2,311,994	MATERNE, THIERRY	
COMPANIES, INC.	2,312,236	LEMAY, STEVEN G.	2,312,121	FLORENT EDME	2,309,098
JOHNSON MATTHEY PUBLIC		LEON, EDUARDO	2,312,115	MATSUSHITA ELECTRIC	
LIMITED COMPANY	2,311,874	LESHIK, RICHARD ROBERT	2,311,983	INDUSTRIAL CO., LTD.	2,306,679
JOHNSON MATTHEY PUBLIC		LESHIK, RICHARD ROBERT	2,312,083	MATSUSHITA ELECTRIC	
LIMITED COMPANY	2,311,962	LESSARD, JEAN B.	2,275,476	INDUSTRIAL CO., LTD.	2,311,076
JONES, KEVAN P.	2,300,721	LEWIS, LES	2,308,669	MATSUSHITA, KAZUHIRO	2,311,442
JORGENSEN, JEFFREY		LEWIS, LESLIE A.	2,310,494	MAUK, RICHARD A.	2,297,882
BRIAN	2,311,872	LIETZMANN, ANDREAS	2,311,989	MAUK, RICHARD A.	2,297,883
JOUNG, JIN-WOO	2,311,888	LIMA, JOSEPH V.	2,297,422	MAYTAG CORPORATION	2,293,941
JUBINVILLE, LEONARD		LINCOLN GLOBAL, INC.	2,311,793	MCCALLUM, JONATHAN E.	2,312,217
ARTHUR	2,275,122	LINCOLN GLOBAL, INC.	2,311,823	MCCARTHY, DONALD C.	2,311,825
JUCKUM, CATHERINE	2,311,172	LITTLE, HERB A.	2,312,331	MCCAULEY, KEVIN	
JUNG, DIETER	2,311,989	LITTLEJOHN, MARK B.	2,311,860	GRAYDON	2,278,433
KABAL, PETER	2,275,832	LITTON SYSTEMS, INC.	2,311,008	MCCLELLAND, RICHARD G.	2,311,913

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MCCULLOCH, LAURA J.	2,312,236	CORPORATION	2,300,721	PETERSON, BRIAN LEE	2,311,008
MC GEE, JOSIE E.	2,275,905	NORTEL NETWORKS		PFIZER PRODUCTS INC.	2,311,872
MC GEE, JOSIE E.	2,311,948	CORPORATION	2,301,936	PICCOLO, VINCENZO	2,311,034
MCNEIL, DWAINÉ	2,275,836	NORTEL NETWORKS		PLANCHERS LECLAIR	2,275,848
MCNEIL-PPC, INC.	2,311,608	CORPORATION	2,308,674	PLINER, SERGEI YURIEVICH	2,312,247
MEDOS MEDIZINTECHNIK		NORTEL NETWORKS		PLOS, GREGORY	2,311,277
GMBH	2,311,977	CORPORATION	2,308,949	PORCARI, GABRIELE	2,311,107
MELCAREK, Edward	2,275,807	NORTEL NETWORKS		PREMARK RWP HOLDINGS,	
MENEAUD, PADMA (née		CORPORATION	2,312,129	INC.	2,308,214
PATEL)	2,291,542	NORTH AMERICAN		PUCCI, WILLIAM R.	2,311,825
MENZEL, HEIDEMARIE	2,311,893	LIGHTING, INC.	2,296,441	QUANSHUN, LIU	2,310,912
MERKLEIN, BRIAN A.	2,311,213	OLERHEIDE, G. CLARKE	2,275,119	QUASSO, ROBERTO	2,312,114
MERLE, ANNE	2,312,432	OLEKSIK, GREGORY JOHN	2,312,380	RABIPOUR, RAFI	2,301,936
MESSMER, BRUNO	2,311,977	OLIVE, RAYMOND	2,312,411	RAHMAN, MOHAMED A.	2,310,982
METHLING, DIETER	2,311,236	OLIVER, JAY T.	2,308,214	RAIFFEISEN-WAREN-	
MEYERS, THEODORE W.	2,285,661	OLSON, GREGG D.	2,311,213	ZENTRALE RHEIN-MAIN	
MICHAUD, PASCAL	2,312,413	O'MALLEY, MARY G.	2,311,608	EG	2,311,218
MICHEL, EDUARD	2,311,893	OMARU, ATSUO	2,311,882	RALPH, THOMAS	
MIHELIC, RICHARD R.	2,297,882	ONGARO, CLAUDIO FRANCO	2,275,780	ROBERTSON	2,311,962
MILLA, MARIA A.	2,306,055	ONTARIO POWER		RAMAKRISHNA, SUDHIR	2,311,111
MINIMAX TECHNOLOGIES		GENERATION INC.	2,278,433	RASMUSSEN GMBH	2,311,774
INC.	2,275,994	ORSIC, MILO	2,310,911	REGLE, HELENE	2,311,172
MITSUYAMA, MASUHIRO	2,312,019	ORTEGA, ALEJANDRO V., II	2,311,831	REHEL, MICHAEL	2,275,512
MIYATA, HIROMICHI	2,312,229	OSRAM SYLVANIA INC.	2,297,422	REHEL, PERRY	2,275,512
MODINE MANUFACTURING		OTTAVI, CAROLINE	2,312,411	RENARD, PIERRE	2,312,432
COMPANY	2,311,213	OUGHTON, GEORGE	2,275,817	RENAUD, PATRICK	2,275,143
MOEHLING, STEVEN P.	2,312,115	OWENS, BRIAN K.	2,297,883	RENAULT AUTOMATION	2,275,981
MONGENET, FRANCOIS	2,312,417	OWENS, BRIAN K.	2,297,884	RESEARCH IN MOTION	
MOORE NORTH AMERICA,		OWENS-ILLINOIS CLOSURE		LIMITED	2,312,331
INC.	2,288,818	INC.	2,311,468	REUL, HELMUT	2,311,977
MORGAN, MICHAEL D.	2,310,979	PACCAR INC.	2,297,882	REYAL, JEAN-PIERRE	2,312,415
MORIMOTO, NORISHIGE	2,307,534	PACCAR INC.	2,297,883	REYDET, PIERRE-LOUIS	2,312,415
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MOSCA, PAOLO	2,312,114	PAKRAVAN, MOHAMMED		CHRISTOPHER	2,276,307
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MOUTREY, THEODORE A.	2,310,784	PAOLO, BANELLI	2,311,878	RIEHL, HARTWIG	2,312,132
MUELLER WEINGARTEN AG	2,312,435	PAPAGEORGIOU,		RIEKE CORPORATION	2,312,135
MURATA, JUNJI	2,311,570	ANARGYROS	2,280,476	RIOUX, ROGER	2,276,648
MUTTER, HEINZ	2,305,918	PAQUIN, MAURICE R.	2,296,268	ROBINSON, PHILIP J.	2,311,468
NADEAU, JAMES G.	2,305,849	PARALES, RICARDO M.	2,292,374	ROBISON, GARY	2,276,643
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COLD SPRING HARBOR		DOUGLAS, PAUL	2,325,015	FLAHERTY, J. CHRISTOPHER	2,324,304
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COLIN, BRUNO	2,324,930	DRENTEN, RONALD R.	2,325,450	MARGIT	2,325,012
COMBS, GEORGE	2,324,309	DRESSMAN, BRUCE A.	2,324,475	FLORENCE, CHARLES	2,322,728
COMMISSARIAT A L'ENERGIE		DREYER, CHRISTIAN	2,324,935	FLUHR, NORBERT	2,325,504
ATOMIQUE	2,324,880	DSM N.V.	2,324,305	FOCAS, DINO	2,324,317
COMMISSARIAT A L'ENERGIE		DUAN, ROXANNE D.	2,323,761	FOERING, HERBERT	2,325,451
ATOMIQUE	2,324,890	DUESBERY, NICHOLAS	2,324,379	FOLKERTS, OTTO	2,323,754
COMOGLIO, BRUNO	2,324,888	DUJARDIN, GILLES	2,324,895	FORSSELL, PIRKKO	2,324,363
CONVERY, DAVID JOHN	2,324,446	DUJARDIN, RALF	2,324,365	FORSSELL, PIRKKO	2,324,364
COQUELET, CLAUDE	2,324,887	DYNEON LLC	2,324,954	FOURNIER, FLORENCE	2,324,895
CORDTS, HANS-ULRICH	2,325,053	E.I. DU PONT DE NEMOURS		FRANKEL, DAVID A.	2,324,416
CORLEY, NEIL C.	2,323,605	AND COMPANY	2,324,305	FRANZEN, RAINER	2,325,451
CORNING INCORPORATED	2,324,417	E.I. DU PONT DE NEMOURS		FREDERIC, MARC	2,324,931
COUGHLIN, EDWARD BRYAN	2,324,310	AND COMPANY	2,324,310	FREGARD, GRAHAM JOHN	2,325,011
CRABB, JOSEPH H.	2,323,062	E.I. DU PONT DE NEMOURS		FREHSE, JOACHIM	2,325,455
CRESSWELL, MARK	2,325,006	AND COMPANY	2,324,311	FREIMER, NELSON B.	2,323,830
CROFT, ALAN P.	2,325,433	E.T.I CO., LTD.	2,325,454	FREISLEBEN, STEFAN	2,325,434
CUI, WEI	2,325,020	EASTLAND, PHILIP HENRY		FRICK AEROTECH AG	2,324,362
CULTY, MARTINE	2,325,445	DONALD	2,325,499	FRICK AEROTECH AG	2,324,447
CURTIS, JOHN	2,325,006	EBERZ, GUNTHER	2,324,365	FRICK, ALEXANDER	2,324,362
DAIG CORPORATION	2,324,461	EBNER, CHRISTOF	2,324,165	FRICK, ALEXANDER	2,324,447
DARMANN, FRANCIS		EBNER, REINHARD	2,323,761	FRIEDRICH, GLENN A.	2,323,834
ANTHONY	2,324,293	EDMAN, ERIK	2,325,461	FURNARI, BETH	2,324,230
DATAFRAME VERTRIEB		EDWARD LIFESCIENCES		GABELSBERGER, JOSEF	2,323,526
AUDIOVISUELLER		CORPORATION	2,324,415	GALIANA, RAPHAEL	2,324,941
KOMMUNIKATIONSSYSTEME		EFREMOV, ANDREI		GANE, PATRICK A. C.	2,324,939
ME GMBH	2,325,495	ALEKSANDROVICH	2,325,023	GANEV, ALEXANDR	
DAUTZENBERG, FRITZ	2,325,435	EIDGENOSSISCHE		AKHATOVICH	2,325,060
DAVID, FLORIAN	2,324,458	TECHNISCHE		GARCON, NATHALIE	2,325,436
DAVIS, WARREN	2,324,329	HOCHSCHULE ZURICH	2,324,453	GARIBOTTO, JOHN T.	2,324,304
DAVIS, WARREN	2,324,331	EITLER, JORG	2,325,047	GARROWAY, ALLEN N.	2,325,492
D'CRUZ, OSMOND	2,325,460	ELAN CORPORATION PLC	2,325,004	GATELY, DANIEL ANTHONY	2,324,352
DE ALMEIDA MARTINS,		ELAN PHARMACEUTICALS,		GATELY, DANIEL ANTHONY	2,324,358
CARLOS	2,324,882	INC.	2,324,474	GEMPLUS	2,324,303
DE BUZZACCARINI,		ELAN PHARMACEUTICALS,		GEMPLUS	2,324,896
FRANCESCO	2,324,470	INC.	2,324,475	GENE LOGIC, INC.	2,323,574
DE HEYDER, KOEN	2,325,436	ELBOROUGH, KIERAN	2,323,762	GENENTECH, INC.	2,323,757
DE JUAN LANDABURU, JULIAN	2,325,021	ELDADA, LOUAY	2,324,417	GENENTECH, INC.	2,325,442
DE LA RUE INTERNATIONAL		ELEKTA AB	2,324,446	GENETIC MICROSYSTEMS,	
LIMITED	2,324,287	ELF ATOCHEM S.A.	2,324,933	INC.	2,324,354
		ELI LILLY & COMPANY	2,324,474	GENZYME CORPORATION	2,323,232

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GERNER, EUGENE W.	2,325,080	HILDEBRANDT, JOHANNES	2,324,953	K & T OF LORAIN, LTD.	2,324,409
GERUSZ, VINCENT	2,324,940	HILES, ANDREW GEORGE	2,325,499	KAJITA, TADAHIRO	2,324,314
GHILAI, SHAI	2,325,459	HIMLY, MARTIN	2,324,165	KANG, MYUNG-CHOL	2,324,348
GILBERT, MICHEL	2,323,753	HIOLLE, PHILIPPE R.	2,324,473	KARATZAS, ANTHOULA-	
GILET, CHRYSTELLE	2,324,895	HOCHFIELD, BARRY	2,324,473	LAZARIS	2,323,570
GIRODIER, LAURENT	2,324,895	HODKINSON, ROGER GRANT	2,323,229	KARATZAS, COSTAS N.	2,323,570
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GOLDENBERG, DAVID M.	2,323,631	HUBER, SIEGFRIED	2,325,448	KEMPER, MARTIN	2,325,432
GOLOBOV, GENNADY	2,324,340	HUBERT, RENE S.	2,324,206	KERHOUSSE, PATRICE	2,324,886
GOLOVKIN, MIKHAIL		HUMAN GENOME SCIENCES,		KERRES, JOCHEN	2,325,020
ALEKSEEVICH	2,325,023	INC.	2,322,728	KHAIRALLAH, CHARLES	2,325,458
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GOUBET, DOMINIQUE	2,325,000	INC.	2,323,776	KIM, YOUNG KY	2,324,335
GOUDEDRANCHE, HENRI		HUTCHISON, JERRY D.	2,324,468	KIM, YOUNG KY	2,324,450
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GREY, HOWARD M.	2,323,632	HYDRIL COMPANY	2,324,457	KIRK, RICHARD L.	2,324,468
GRIEU, FRANCOIS	2,324,879	IDEXX LABORATORIES, INC.	2,324,947	KITADA, CHIEKO	2,323,503
GRIFFITHS, DAVID	2,325,006	IDUSOGIE, ESOHE		KLINE, DOUGLAS F.	2,324,467
GROOTAERT, WERNER M.	2,324,954	EKINADUESE	2,323,757	KNEE, ROBERT A.	2,324,278
GROSS, JOSEPH	2,325,004	IMAX CORPORATION	2,324,351	KNUDSON, EDWARD B.	2,324,278
GROSSNIKLAUS, UELI	2,324,376	IMMUCELL CORPORATION	2,323,062	KOETTER, STEFAN	2,324,342
GROTE, THOMAS	2,324,460	IMMUNEX CORPORATION	2,323,524	KOHLER, HEINZ-GERHARD	2,325,023
GROTE, THOMAS	2,324,464	IMMUNOMEDICS, INC.	2,323,631	KOIVUNEN, ERKKI	2,323,239
GROUPE LIMAGRAIN		IMMUNOTOKO B.V.	2,325,439	KOLBERG, THOMAS	2,325,012
HOLDING	2,324,944	INCYTE PHARMACEUTICALS,		KONDRATOV, ROMAN	2,323,633
GT BICYCLES, INC.	2,324,327	INC.	2,323,605	KONINKLIJKE PHILIPS	
GUDKOV, ANDREI	2,323,633	INFORMATION SYSTEM		ELECTRONICS N.V.	2,325,450
GUEGLER, KARL J.	2,323,605	DEVELOPMENT		KONISA LIMITED	2,322,784
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MARIA	2,324,305	INNOVATRON ELECTRONIQUE		LIMITED	2,325,444
GUPTA, ASHWANI K.	2,325,049	(SOCIETE ANONYME)	2,324,879	KORALA, ARAVINDA	2,325,444
GUPTA, AVINASH	2,325,435	INSTITUT DE RECHERCHE		KRAFT, DIETRICH	2,324,165
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FRANCISCUS	2,324,305	INSTITUT NATIONAL DE LA		CHRISTINA	2,324,365
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HALLADAY, JAMES R.	2,324,372	AGRONOMIQUE (INRA)	2,324,299	KRUGER, CHRISTOF	
HAMMER, JACK	2,324,462	INTELLIDYNE, LLC	2,324,462	FRIEDRICH KARL	2,325,053
HANSEN, HANS	2,323,631	INTERNATIONAL REAGENTS		KUBIN, MAREK Z.	2,323,524
HANSON, BIRGIT	2,324,350	CORPORATION	2,324,314	KUBO, RALPH T.	2,323,632
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HARBISON-WALKER		ITTEL, STEVEN DALE	2,324,311	KUTSCHKER, WOLFGANG	2,324,371
REFRACTORIES		IURA CO., LTD.	2,325,078	KYAW, HLA	2,323,761
COMPANY	2,324,356	IURA, TADASHI	2,325,078	LABORATOIRE CHAUVIN S.A.	2,324,887
HARTMANN, BENOIT	2,324,940	JARAVEL, CECILE	2,324,930	LADEROUTE, KEITH R.	2,324,347
HASSELL, JOEL G.	2,324,278	JHA, ANIMESH	2,324,321	LAFLEUR, DAVID W.	2,323,761
HASSETT, JAMES A.	2,324,461	JIANGUO, LI	2,324,291	LAILACH, GUNTER	2,324,308
HAWKINS, LYNDIA K.	2,323,235	JIM, PARSONS	2,324,412	LAING, CHRISTOPHER NIAL	2,324,411
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HAYES, JOHN WILLIAM	2,325,506	JOHANNES, THOMAS	2,325,434	ANONYME POUR L'ETUDE	
HCD HYGIENIC COMPOSITES		JOHANSSON, BORJE	2,325,453	ET L'EXPLOITATION DES	
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HEILMAYER, WERNER	2,324,953	JOHNSON MATTHEY PUBLIC		LANGENOHL, MARK C.	2,324,356
HEINAMAKI, JYRKI	2,324,363	LIMITED COMPANY	2,325,506	LATOUR, ELISABETH	2,324,887
HEITBAUM, JOACHIM	2,325,012	JOHNSON, LEISA	2,323,235	LAVERTY, RICHARD JAMES	2,325,053
HELLIO, JEAN-LOUIS	2,324,941	JONAS, FRIEDRICH	2,325,025	LAVI, GILAD	2,325,004
HELSINKI UNIVERSITY		JONASSON, STELLAN	2,324,465	LE DOEUFF, ROLAND	2,324,946
LICENSING LTD. OY	2,323,239	JONSSON, HANS	2,323,634	LEDOUX, DENIS-MICHEL	2,324,374
HERMISTON, TERRY	2,323,235	JORNS, PETER	2,325,012	LEDOUX, DENIS-MICHEL	2,324,375
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LEIBROCK, JOACHIM	2,324,339	AKTIENGESELLSCHAFT	2,325,012	OFFORD, DAVID A.	2,324,949
LEICA GEOSYSTEMS AG	2,324,220	MEVELEC, LAURENCE	2,324,895	OGI, KAZUHIRO	2,323,503
LEMMONS, THOMAS R.	2,324,278	MEYNARD, THIERRY	2,324,882	OHANIAN, HENRI	2,324,303
LENHARD, MICHAEL	2,325,012	MEYSKENS, FRANK L., JR.	2,325,080	OHTAKI, TETSUYA	2,323,503
LEONG, KAHAN	2,324,206	MIDDLETON, STEVEN R.	2,324,459	O'KEEFE, SAMANTHA JANE	2,325,011
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LEUNG, SHUI-ON	2,323,631	PHARMACEUTICALS, INC.	2,323,830	PTY. LIMITED	2,324,288
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LILL, EDGAR	2,324,373	MJACU, NCEBA AUBREY	2,324,469	OLSSON, OLOF	2,323,836
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LINDGREN, URBAN	2,324,291	MOON, HI CHAN	2,324,335	ONYX PHARMACEUTICALS,	
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LORENZ, GISELA	2,324,464	MOORE, PAUL A.	2,323,761	OPTIMA BATTERIES, INC.	2,324,295
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LUCK, MICHAEL S.	2,323,062	MOORE, STEPHEN F.	2,324,346	OVERBECK, JAMES W.	2,324,354
LUDESCHER, JOHANNES	2,324,953	MOREAU, PATRICE	2,325,000	OWEN OIL TOOLS, INC.	2,318,897
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MADDEN, STEPHEN L.	2,323,833	MULKERRIN, MICHAEL		PALKES, MARK	2,324,472
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MAINIL, ROLAND	2,325,436	MURGOLO, NICHOLAS J.	2,323,236	KUZMICH	2,325,023
MAKIN, KELLY MAUREEN	2,324,344	MURPHY, GERALD P.	2,323,525	PAONI, NICHOLAS J.	2,325,442
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MAPRESS GMBH & CO. KG	2,325,451	MYLLARINEN, PAIVI	2,324,363	PARDO-FERNANDEZ, LUIS	
MARSHALL, CONNIE T.	2,324,278	MYLLARINEN, PAIVI	2,324,364	ANGEL	2,323,571
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MELZER, SIEGBERT	2,324,453	NOE, MAXY	2,324,880	PESOLD, ERWIN	2,324,371
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POUTOT, SANDRINE	2,324,895	LTD.	2,324,450	SOANE, DAVID S.	2,324,949
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