



# **Roving Seminar on WIPO Services and Initiatives**

**Coimbra, Portugal  
February 15, 2017**

# Introduction to WIPO



Speaker : Victor Vázquez López, Head, Section for  
Coordination of Developed Countries

*“To lead the development of a balanced and effective international intellectual property (IP) system that enables innovation and creativity for the benefit of all.”*

# Facts about WIPO

- **MEMBER STATES: 189**
- **OBSERVERS:** more than **390** (NGOs, IGOs, industry groups, etc.)
- **STAFF:** more than **1200**
- **ADMINISTERED TREATIES: 26**
- **MAIN BODIES:** General Assembly, CC, WIPO Conference



# WIPO AROUND THE WORLD



USA

Geneva HQ

Russia

China

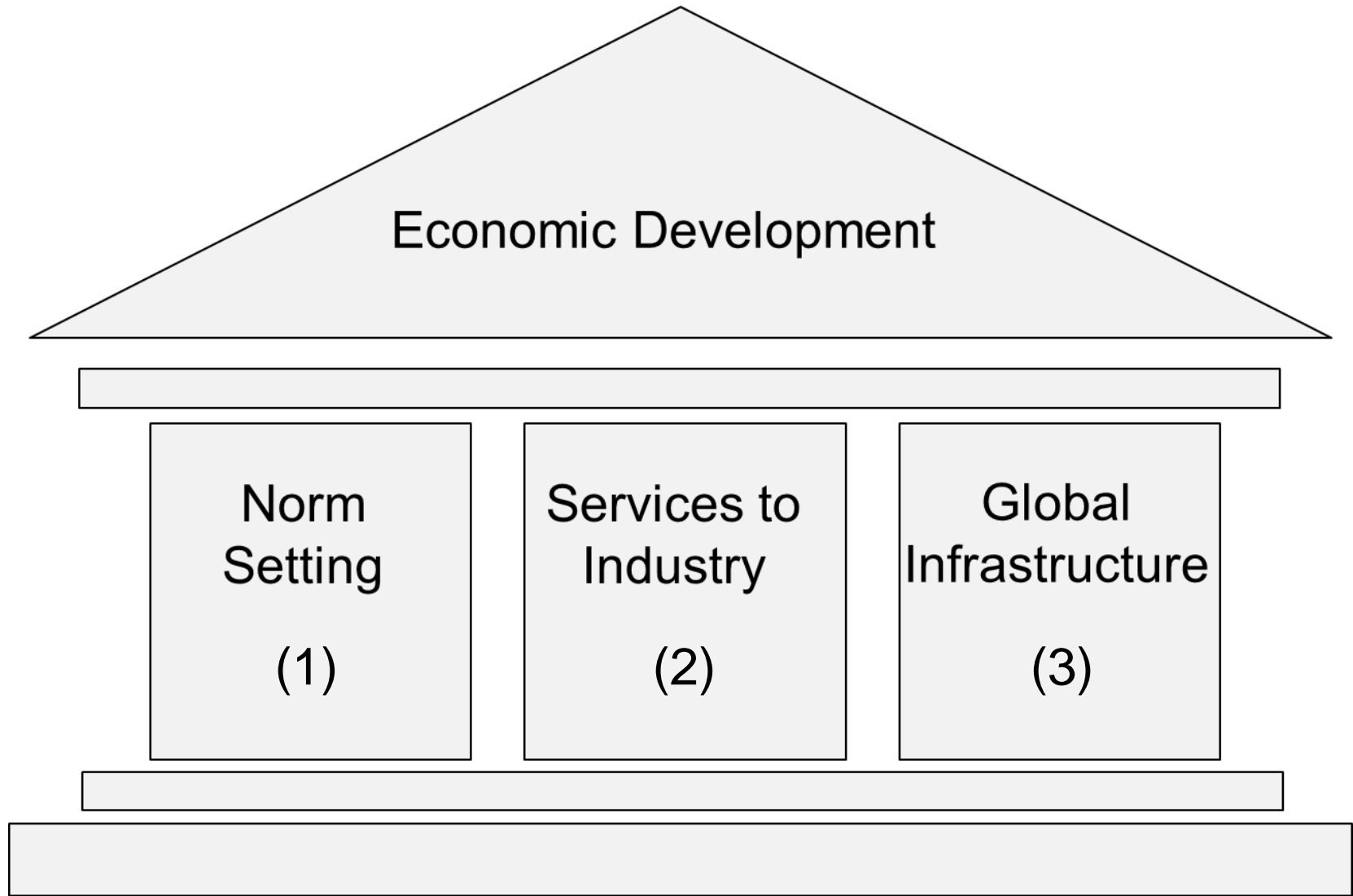
Japan

Singapore

Brazil

WIPO main offices

# WIPO: Service and Development oriented



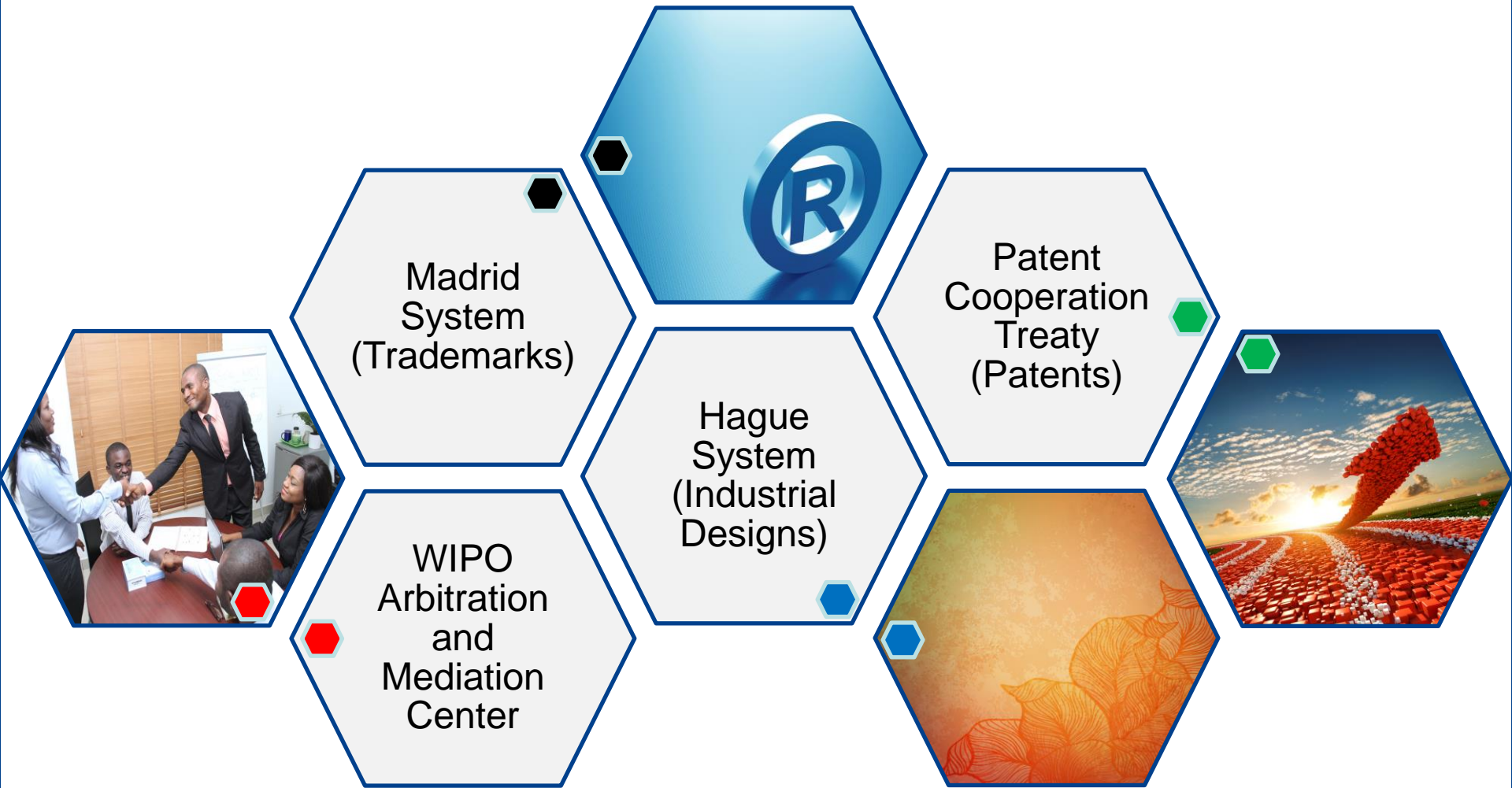
# 1. Normative Developments

- Beijing Treaty on Audiovisual Performances
- Marrakesh Treaty for Persons who are Blind





# 2. Provider of Premier Global IP Services

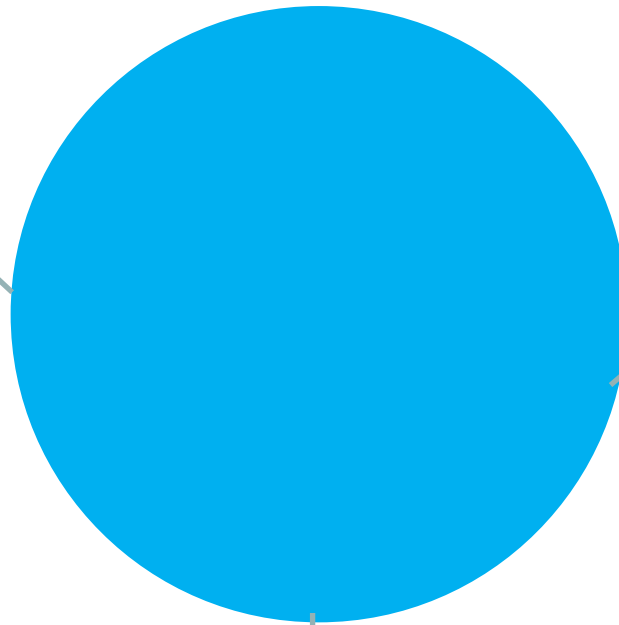




# 3. Global IP Infrastructure

**Repositories  
of  
Information**

**Treatment  
of  
Information**



**Platforms**

# The Economics and Statistics Division

The Division applies Statistic and Economic Analysis to the use of WIPO services.

**Reflects the Growing  
Consensus on the  
importance of the  
Economic  
Dimension of IP**

This structure also improves WIPO economic insight on IP Development.

Patent Cooperation Treaty  
Yearly Review

Statistics Series

Madrid  
Yearly Review

Statistics Series

Hague  
Yearly Review

Statistics Series

WIPO IP Facts  
and Figures

Statistics Series

World Intellectual  
Property Indicators

Economics & Statistics Series

## STATISTICS AND ECONOMIC STUDIES

- The PCT Yearly Review, the Madrid Yearly Review and The Hague Yearly Review:
- The WIPO IP Facts and Figures
- World Intellectual Property Indicators (WIPI)
- WIPO IP Statistics Data Center  
<http://ipstatsdb.wipo.org/ipstatv2/ipstats/patentsSearch>
- The Global Innovation Index

# Country Profile





# The Global Innovation Index

## RANKING 2015

1. SWITZERLAND
2. SWEDEN
3. UNITED KINGDOM
4. NETHERLANDS
5. UNITED STATES OF AMERICA
6. FINLAND
7. HONG KONG (CHINA)
8. SINGAPORE
9. DENMARK
10. IRELAND
11. CANADA
12. LUXEMBOURG
13. ICELAND
14. HONG KONG (CHINA)
30. PORTUGAL

## RANKING 2016

1. SWITZERLAND
2. UNITED KINGDOM
3. SWEDEN
4. FINLAND
5. NETHERLANDS
6. UNITED STATES OF AMERICA
7. SINGAPORE
8. DENMARK
9. LUXEMBOURG
10. HONG KONG (CHINA)
11. IRELAND
12. CANADA
13. GERMANY
14. NORWAY
30. PORTUGAL

# The Global Innovation Index

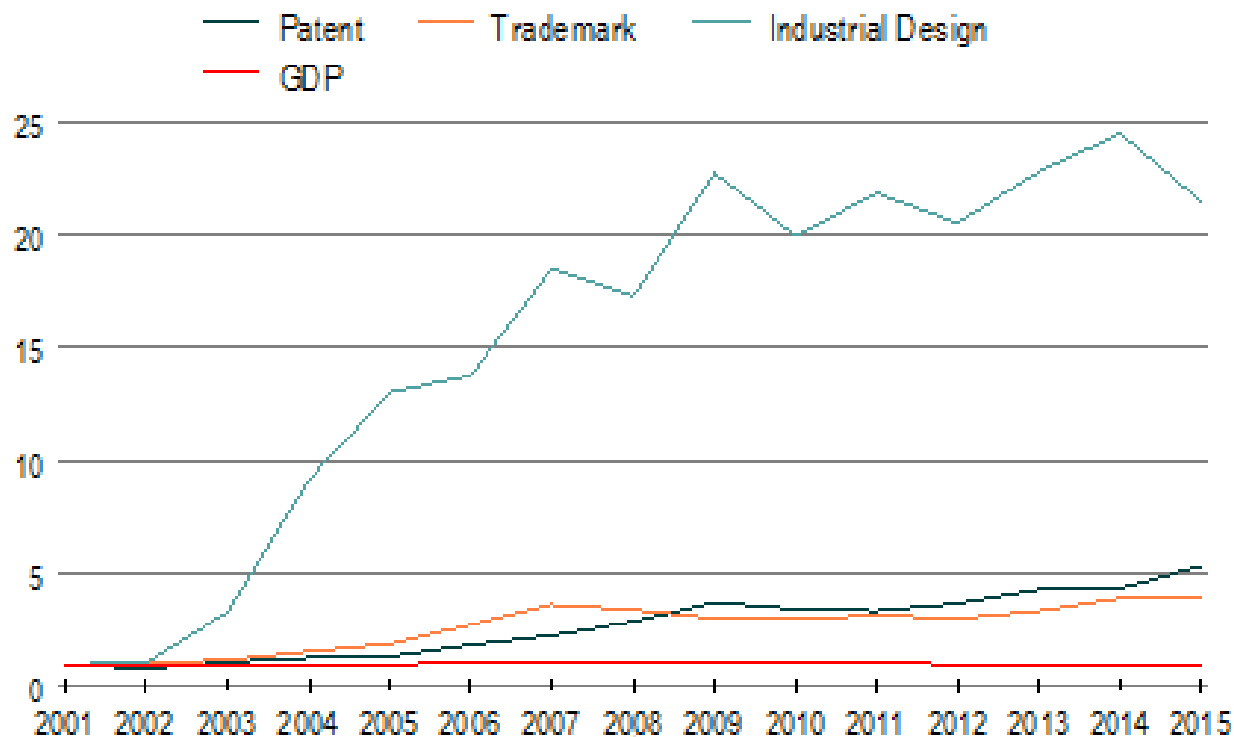
## Strengths

## Weaknesses

Business environment	Gross capital formation, % GDP
Ease of Starting Business	Ease of getting credit
Gov't expenditure/pupil, secondary, % GDP/cap .	Investment
Environmental performance	Innovation linkages
Scientific & technical articles/bn PPP\$ GDP	GERD financed by abroad, %
ISO 9001 quality certificates/bn PPP\$ GDP	High-tech imports less re-imports, % total trade
FDI net outflows, % GDP	Research talent, % in business enterprise

# IP filings and Economic Growth from 1998 to 2013

IP Filings and Economic Growth (Set first available year to 1)



Source: WIPO statistics database; last updated: 11/2016

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[www.wipo.int/wipo\\_magazine/en/](http://www.wipo.int/wipo_magazine/en/)
- WIPO Wire:  
[www.wipo.int/newsletters/en](http://www.wipo.int/newsletters/en)
- Press releases  
[www.wipo.int/pressroom/en/](http://www.wipo.int/pressroom/en/)







# The Patent Cooperation Treaty (PCT) and its advantages for business

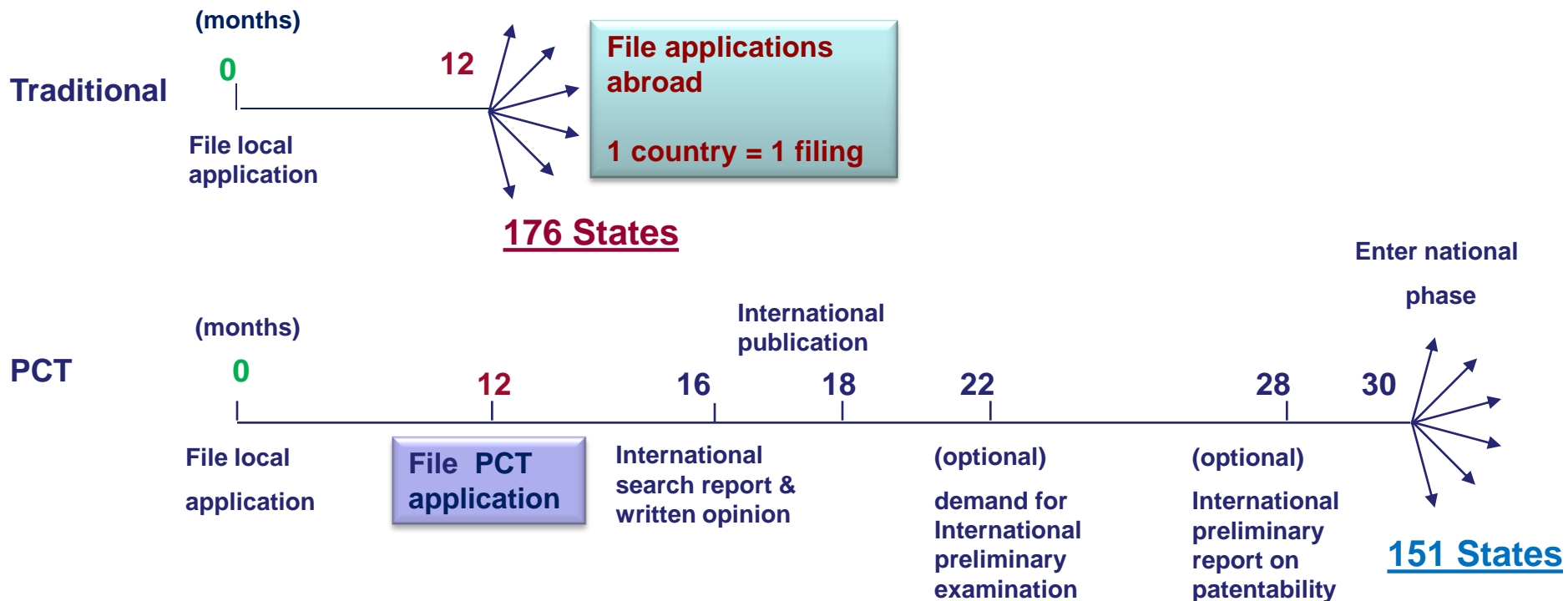


Speaker: Christine Bonvallet, Senior Legal Officer,  
PCT Legal Division

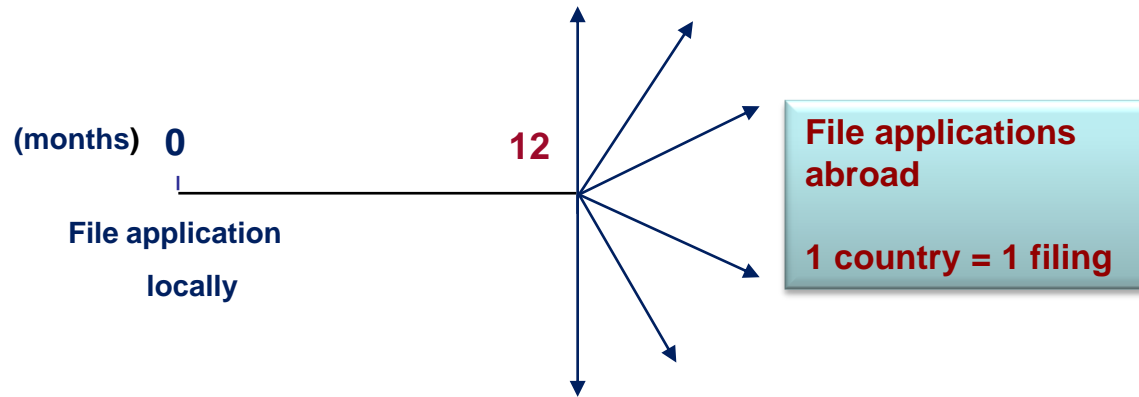
Coimbra, Portugal  
February 15, 2017

**WIPO**  
WORLD  
INTELLECTUAL PROPERTY  
ORGANIZATION

# Seeking patents multinationally: traditional patent system (“Paris Route”) vs. PCT system



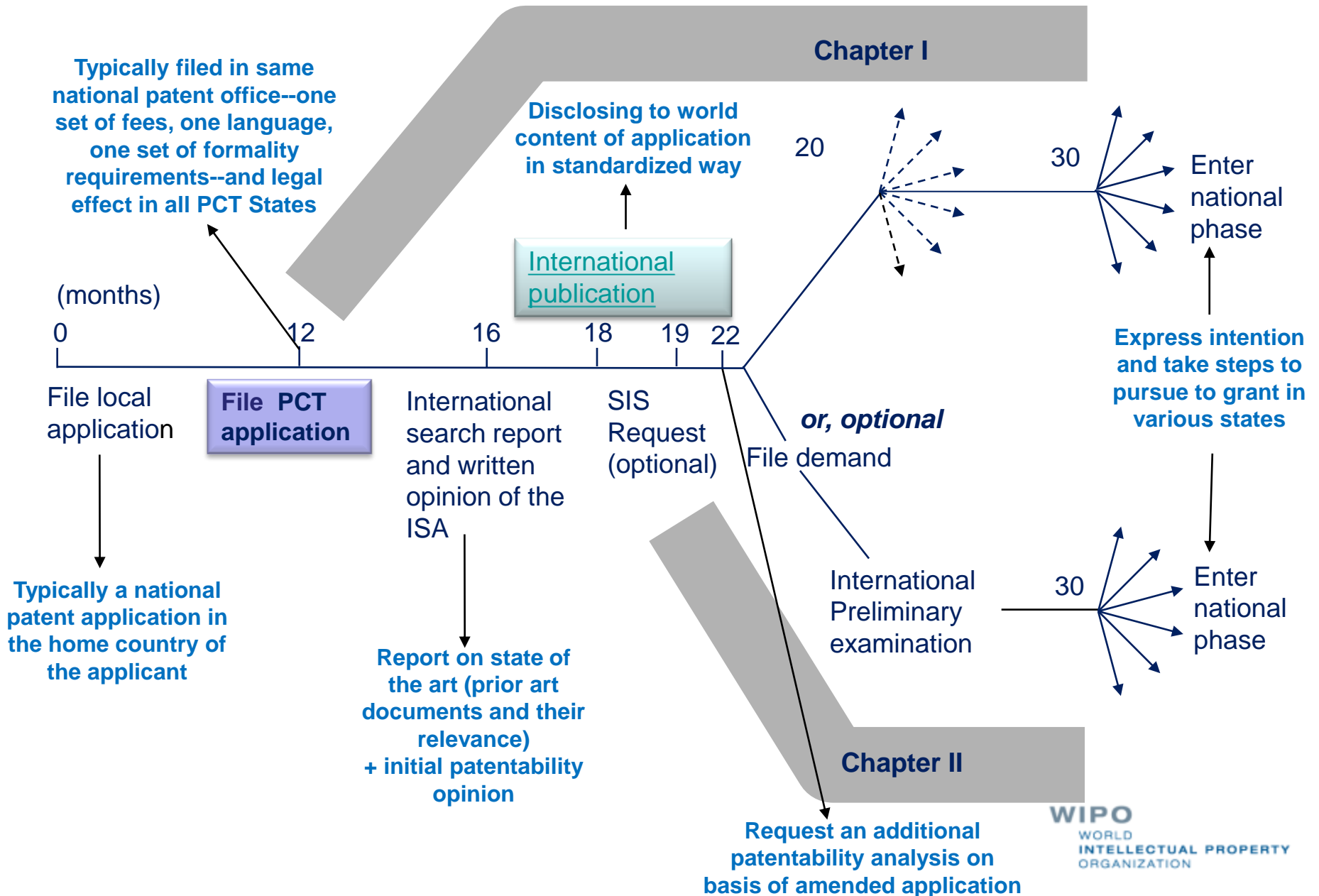
# Traditional patent system: “Paris Route”



- Local patent application followed within 12 months by multiple foreign applications claiming priority under Paris Convention:
  - multiple formality requirements
  - multiple searches
  - multiple publications
  - multiple examinations and prosecutions of applications
  - translations and national fees required at 12 months
- Some rationalization because of regional arrangements: ARIPO, EAPO, EPO, OAPI

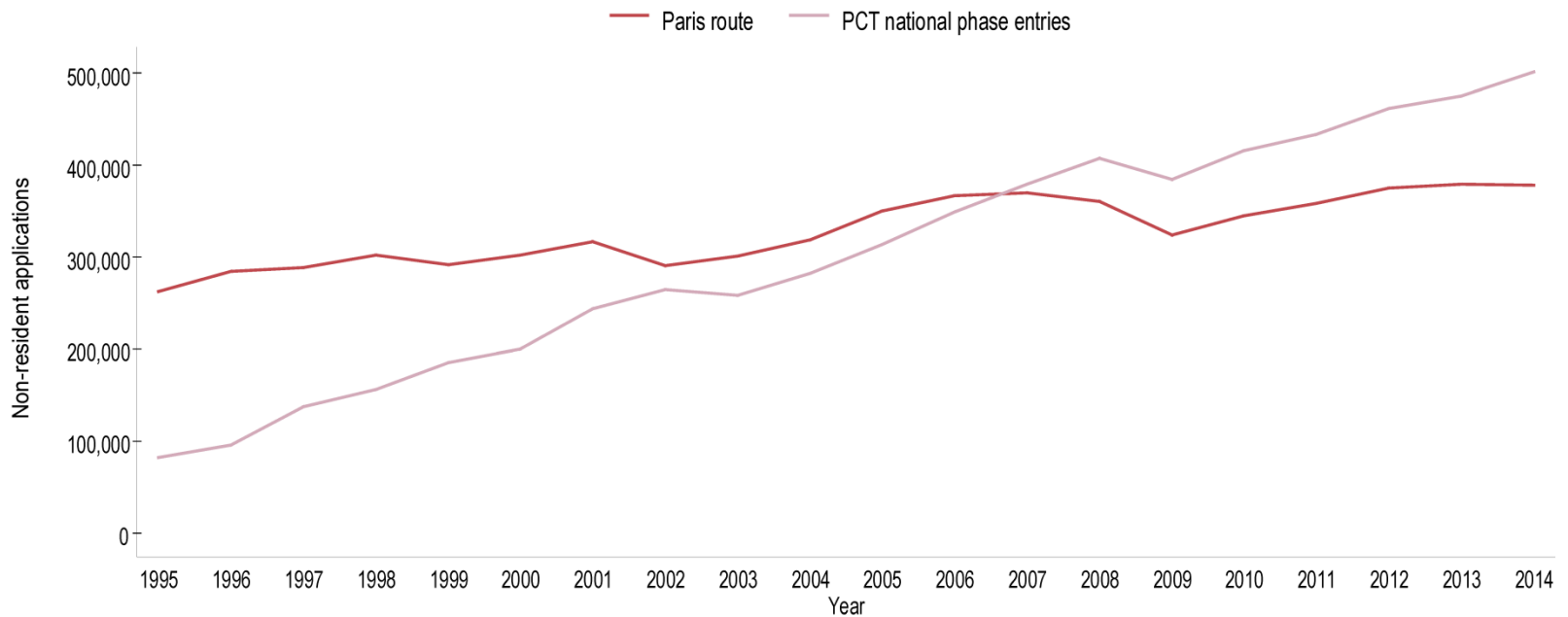


# The PCT system



# Paris route vs. PCT national phase

Figure B.1.2: Trend in non-resident applications by filing route

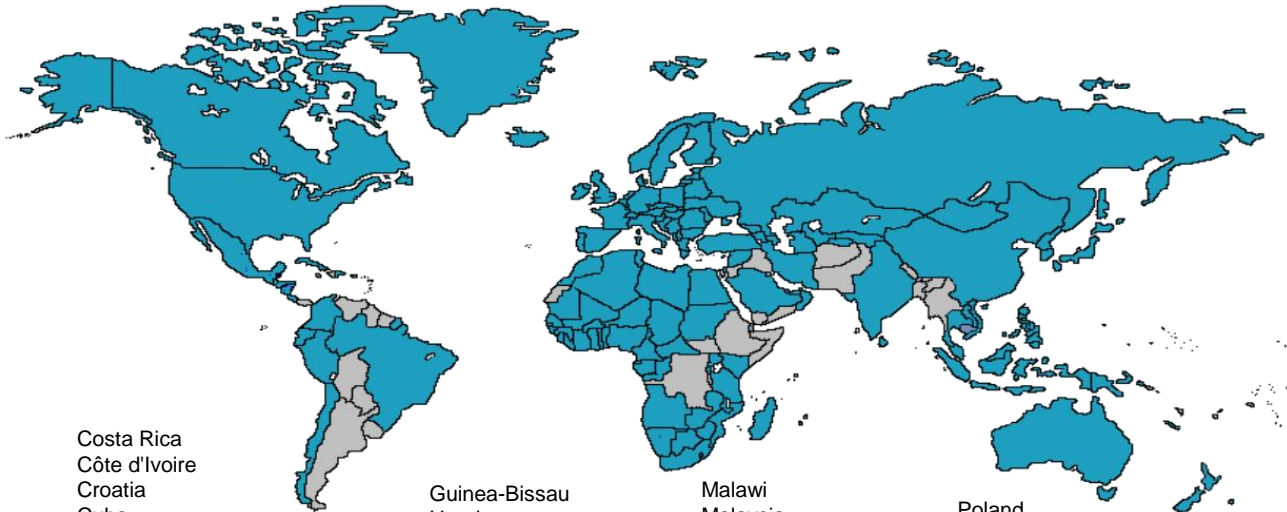


Note: These are WIPO estimates. Missing data for offices that did not provide statistics have been estimated by WIPO on an aggregate basis.

Source: WIPO Statistics Database, May 2016.

# PCT Coverage: 151 States

Recent  
accessions:



Kuwait  
Djibouti  
Cambodia

Albania  
Algeria  
Angola  
Antigua and Barbuda  
Armenia  
Australia  
Austria  
Azerbaijan  
Bahrain  
Barbados  
Belarus  
Belgium  
Belize  
Benin  
Bosnia and Herzegovina  
Botswana  
Brazil  
Brunei Darussalam  
Bulgaria  
Burkina Faso  
Cambodia  
Cameroon  
Canada  
Central African Republic  
Chad  
Chile  
China  
Colombia  
Comoros  
Congo

Costa Rica  
Côte d'Ivoire  
Croatia  
Cuba  
Cyprus  
Czech Republic  
Democratic People's  
Republic of Korea  
Denmark  
Djibouti  
Dominica  
Dominican Republic  
Ecuador  
Egypt  
El Salvador  
Equatorial Guinea  
Estonia  
Finland  
France  
Gabon  
Gambia  
Georgia  
Germany  
Ghana  
Greece  
Grenada  
Guatemala  
Guinea

Guinea-Bissau  
Honduras  
Hungary  
Iceland  
India  
Indonesia  
Iran (Islamic Republic of)  
Ireland  
Israel  
Italy  
Japan  
Kazakhstan  
Kenya  
Kuwait  
Kyrgyzstan  
Lao People's Dem Rep.  
Latvia  
Lesotho  
Liberia  
Libyan Arab Jamahiriya  
Liechtenstein  
Lithuania  
Luxembourg  
Madagascar

Malawi  
Malaysia  
Mali  
Malta  
Mauritania  
Mexico  
Monaco  
Mongolia  
Montenegro  
Morocco  
Mozambique  
Namibia  
Netherlands  
New Zealand  
Nicaragua  
Niger  
Nigeria  
Norway  
Oman  
Panama  
Papua New Guinea  
Peru  
Philippines

Poland  
Portugal  
Qatar  
Republic of Korea  
Republic of Moldova  
Romania  
Rwanda  
Russian Federation  
Saint Lucia  
Saint Vincent and  
the Grenadines  
San Marino  
Sao Tomé e Príncipe  
Saudi Arabia  
Senegal  
Serbia  
Seychelles  
Sierra Leone  
Singapore  
Slovakia  
Slovenia  
South Africa  
Spain  
Sri Lanka  
Sudan  
Swaziland

St. Kitts and Nevis  
Sweden  
Switzerland  
Syrian Arab Republic  
Tajikistan  
Thailand  
The former Yugoslav  
Republic of Macedonia  
Togo  
Trinidad and Tobago  
Tunisia  
Turkey  
Turkmenistan  
Uganda  
Ukraine  
United Arab Emirates  
United Kingdom  
United Republic of Tanzania  
United States of America  
Uzbekistan  
Viet Nam  
Zambia  
Zimbabwe

# UN Member States not yet in PCT

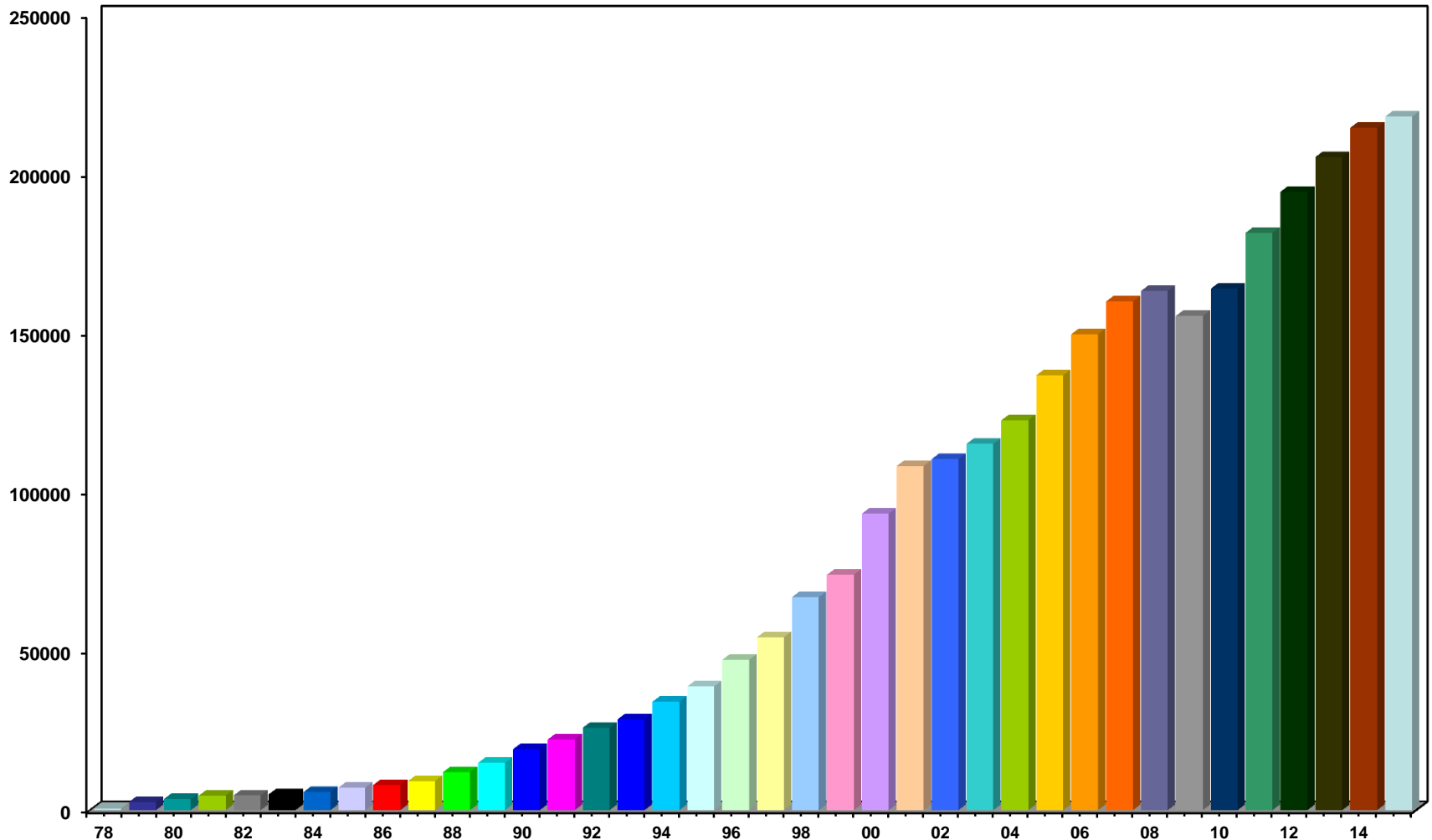
Afghanistan	Jordan*	Timor-Leste
Andorra*	Kiribati	Tonga
Argentina**	Lebanon	Tuvalu
Bahamas	Maldives	Uruguay**
Bangladesh	Marshall Islands	Vanuatu
Bhutan	Mauritius	Venezuela
Bolivia	Micronesia	Yemen
Burundi	Myanmar	
Cape Verde	Nauru	(42)
Democratic Republic of Congo	Nepal	
Eritrea	Pakistan	
Ethiopia	Palau	
Fiji	Paraguay**	
Guyana	Samoa	
Haiti	Solomon Islands	
Iraq	Somalia	
Jamaica	South Sudan	
	Suriname*	

*\*preparing to accede*

*\*\*PCT discussions ongoing*



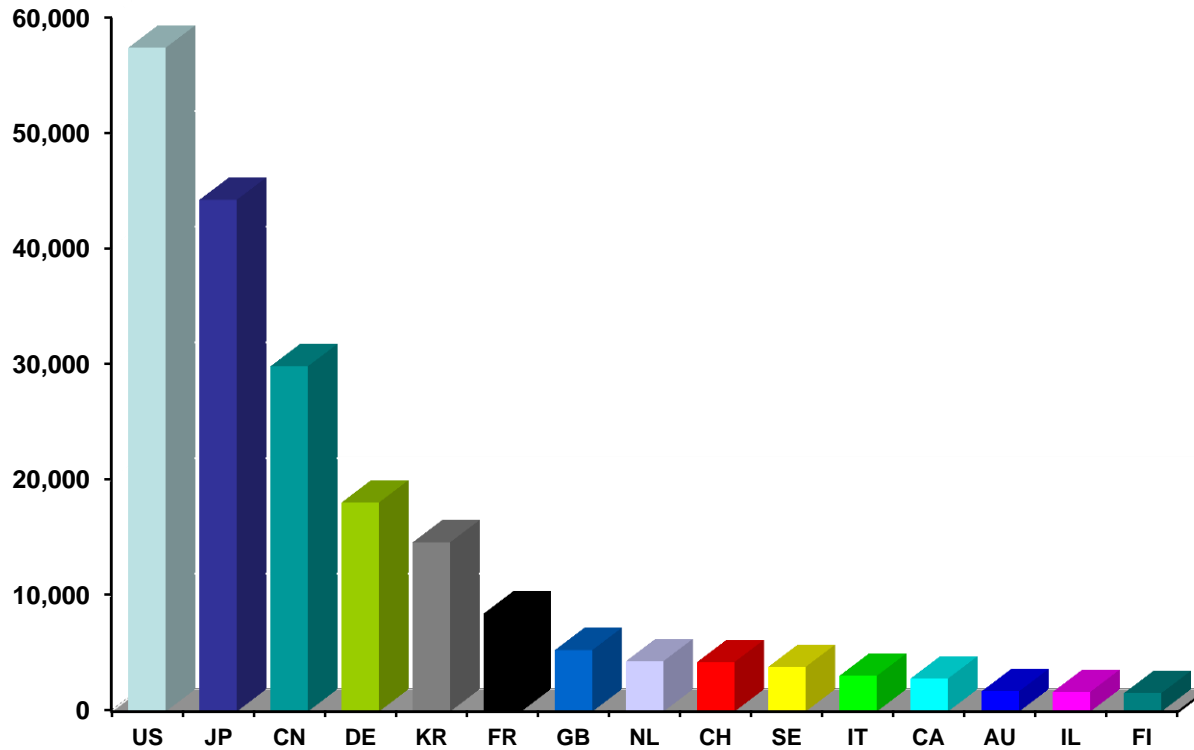
# PCT Applications



2015: 218,000 (+1.7%)

WIPO Chief Economist predicting +3.3% in 2016

# International applications received in 2015 by country of origin



- 26+% originating in US
- 75% from top 5 countries; 92+% of filings from top 15 countries
- PCT applications filed by applicants from 132 countries
- Very close to having 80% of UN member countries in the PCT

US: -6.7%

JP: +4.4%

CN: +16.8%

DE: +0.5%

KR: + 11.5%

FR: + 2.6%

GB: + 0.8%

NL: + 3.6%

CH: +4.4%

SE: -1.4%

IT: +0.8%

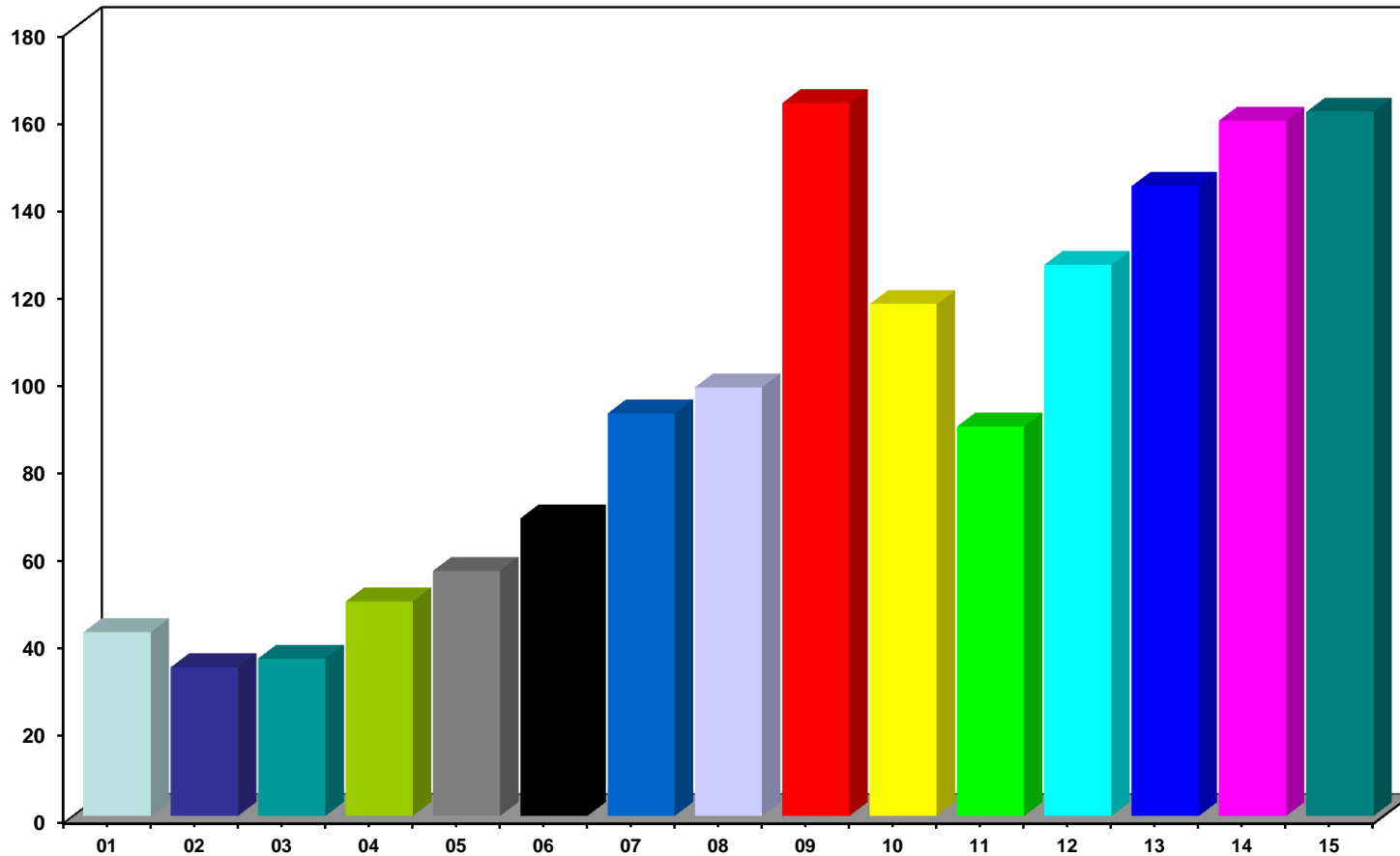
CA: -7.2%

AU: + 1.7%

IL: + 7.4%

FI: -12.1%

# PCT use in PT



- Joined PCT effective November 24, 1992
- 161 PCT applications filed by PT applicants in 2015 with RO/PT

# The PCT... and business

Most businesses worldwide which seek and use patents wish to:

- control costs while preserving options
- make informed business decisions
- use the best tools available when seeking protection

**The PCT responds to these objectives**

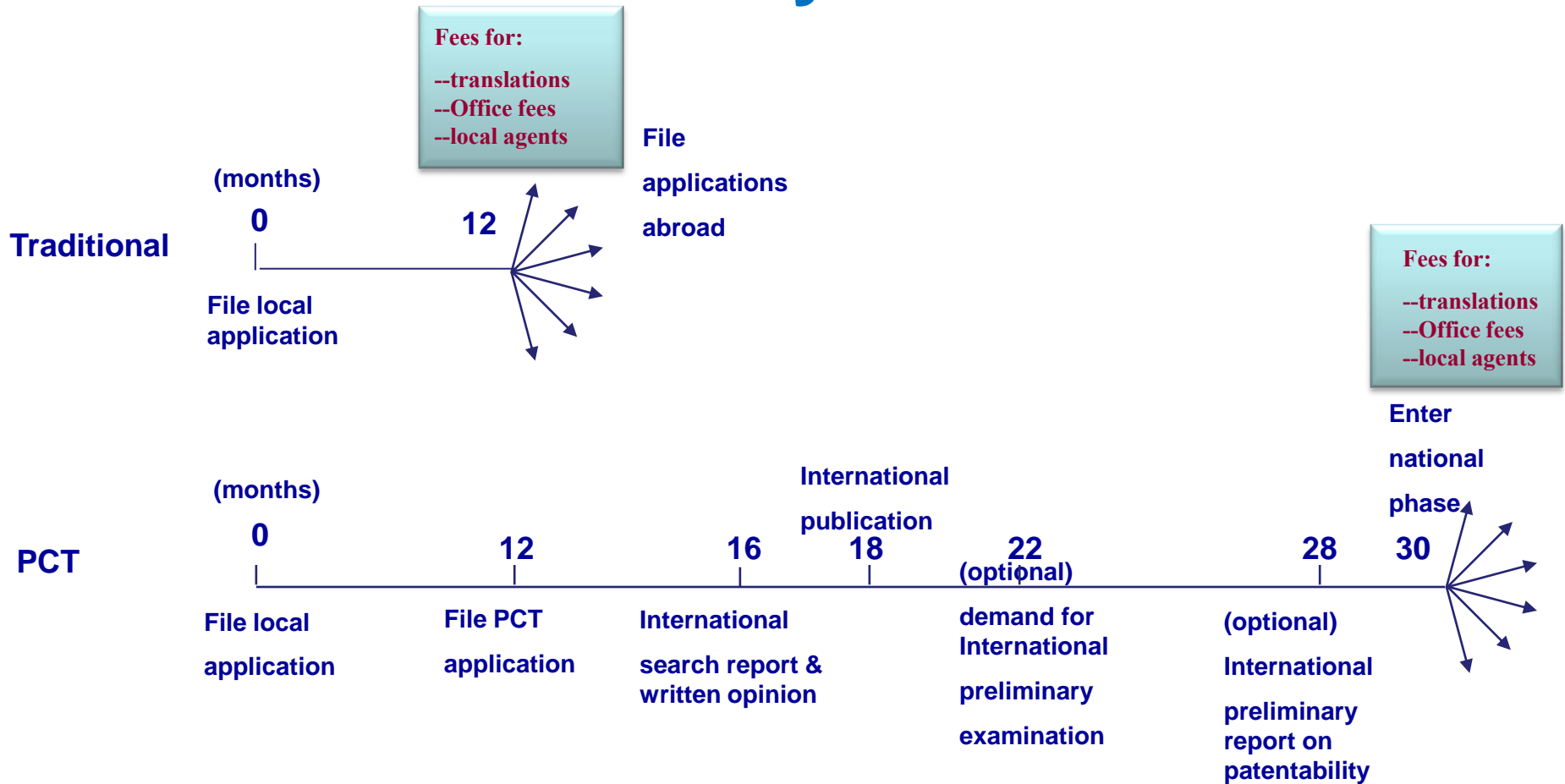
# Certain PCT Advantages

The PCT, as the cornerstone of the international patent system, provides a worldwide system for simplified filing and processing of patent applications, which—

1. postpones the major costs associated with internationalizing a patent application



# Traditional patent system vs. PCT system



# Certain PCT Advantages

The PCT, as the cornerstone of the international patent system, provides a worldwide system for simplified filing and processing of patent applications, which—

1. postpones the major costs associated with internationalizing a patent application
2. provides a strong basis for patenting decisions

# Example: PCT International Search Report (PCT/ISA/210)

C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 50-14535 B (NCR CORPORATION) 28 May 1975 (28.05.75), column 4, lines 3 to 27	7-9, 11
X	GB 392415 A (JONES) 18 May 1933 (18.05.33) Fig. 1	1-3
Y	page 3, lines 5-7	4, 10
A	Fig. 5, support 36	11-12
X	GB 2174500 A (STC) 5 November 1986 (05.11.86) page 1, lines 5-15, 22-34, 46-80; Fig. 1	1-3
Y		4
A	US 4322752 A (BIXTY) 30 March 1982 (30.03.82) claim 1	1
A	GREEN, J.P. Integrated Circuit and Electronic Compass, IBM Technical Disclosure Bulletin, October 1975, Vol. 17, No. 6, pages 1344 and 1345	1-5

**Symbols indicating which aspect of patentability the document cited is relevant to (for example, novelty, inventive step, etc.)**

**Documents relevant to whether or not your invention may be patentable**

**The claim numbers in your application to which the document is relevant**

# Example: PCT Written opinion of the International Searching Authority (PCT/ISA/237)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement			
Novelty (N)	Claims	<u>Claim(s) 3-15</u>	YES
	Claims	<u>Claim(s) 16</u>	NO
Inventive step (IS)	Claims	<u>Claim(s) 8, 10-12</u>	YES
	Claims	<u>Claim(s) 3-7, 9, 14-16</u>	NO
Industrial applicability (IA)	Claims	<u>Claim(s) 3-16</u>	YES
	Claims	_____	NO

2. Citations and explanations:

**INDEPENDENT CLAIM 3**

Document US-A-5 332 238, which is considered to represent the most relevant state of the art, discloses (cf. relevant passages indicated in the ISR) a device from which the subject-matter of **INDEPENDENT CLAIM 3**

Document US-A-5 332 238, which is considered to represent the most relevant state of the art,

**Reasoning supporting the assessment**

**Patentability assessment of claims**

# International Searching Authorities (22)

- AU – Australia
- AT – Austria
- BR – Brazil
- CA – Canada
- CL – Chile
- CN – China
- EG – Egypt
- ES – Spain
- FI – Finland
- IN – India
- IL – Israel
- JP – Japan
- KR – Republic of Korea
- RU – Russian Federation
- SE – Sweden
- SG – Singapore
- UA – Ukraine
- US – United States of America
- EP – European Patent Office
- XN – Nordic Patent Institute (Denmark, Iceland, Norway)
- XV – Visegrad Patent Institute (Czech Republic, Poland, Hungary and Slovakia)
- *TR – Turkish Patent Institute (appointed in October 2016, not yet operational)*

\* Office of filing (Receiving Office) decides on which ISAs is/are available



# Choice of RO(s), language(s) of filing and ISA(s), PT applicant(s))

■ Receiving Offices	<u>RO/PT</u> (INPI)	<u>RO/EP*</u> (EPO)	<u>RO/IB*</u> (WIPO)
■ Filing language(s)	English, French, German, Portuguese	English, French, German	Any language
■ ISA(s)	EP	EP	EP

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\* See applicable national law restrictions to residents, unless priority of an earlier PT application is claimed

# Certain PCT Advantages

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2. provides a strong basis for patenting decisions
3. harmonizes formal requirements

# Harmonization of formal requirements

**PCT Article 27(1):** “No national law shall require compliance with requirements relating to the form or contents of the international application different from or additional to those which are provided for in this Treaty and Regulations.”

***PCT Applicant’s Guide, paragraph 4.011:*** “There is a prescribed form for the international application. This form must be accepted by all designated Offices for the purposes of the national phase, so that there is no need to comply with a great variety of widely differing formal requirements in the many countries in which protection may be sought.”

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3. harmonizes formal requirements
4. protects applicant from certain inadvertent errors

# Protection from inadvertent errors

- invited corrections of defects & fee payments
- non-competent receiving Office
- double formality review
- restoration of the right of priority
- missing parts/incorporation by reference
- rectification of obvious mistakes
- excuse of national phase entry delay

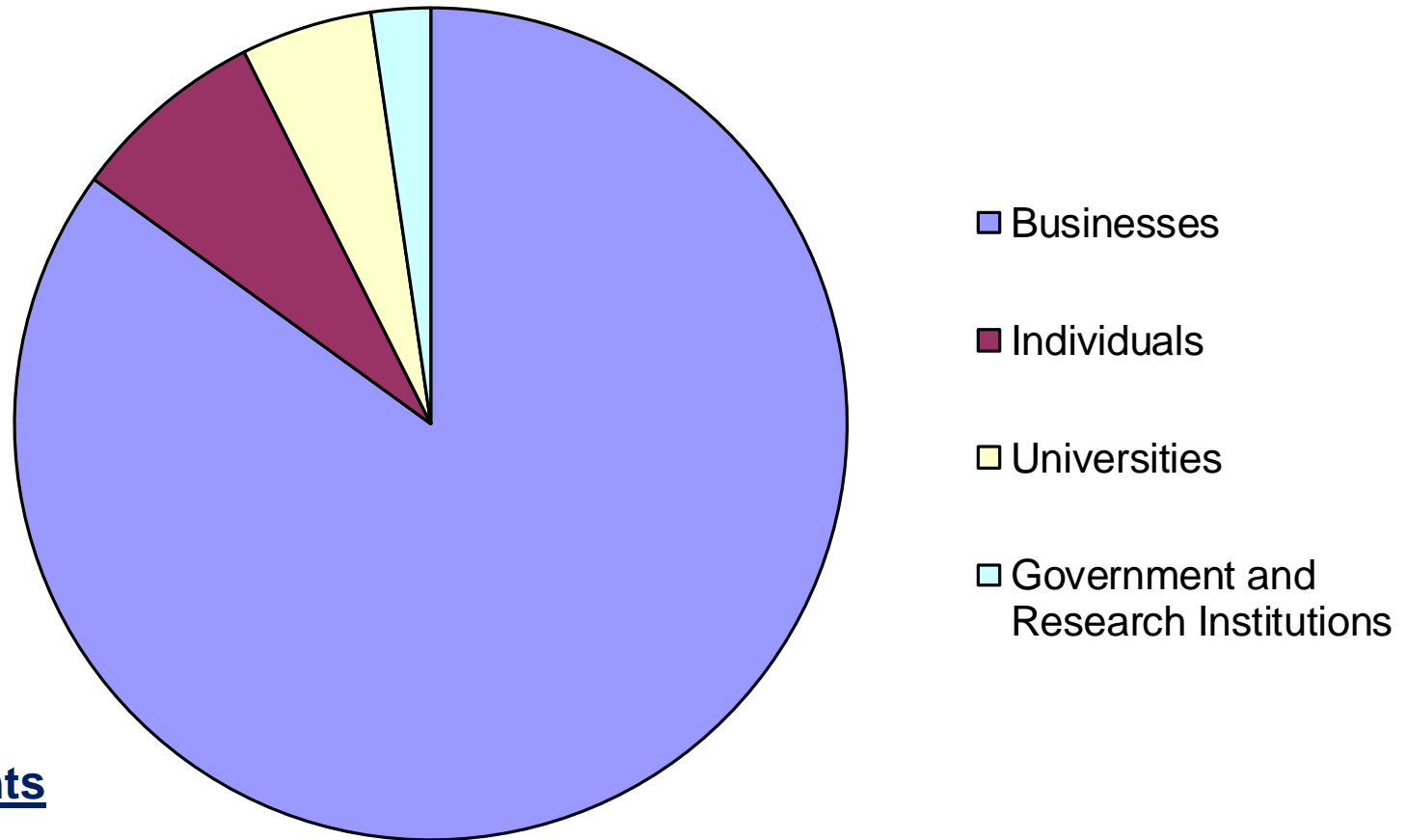


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3. harmonizes formal requirements
4. protects applicant from certain inadvertent errors
5. evolves to meet user needs
6. is used by the world's major corporations, universities and research institutions when they seek multinational patent protection

# Distribution of PCT Applicants in 2015



## Top Applicants

- **Businesses:** Huawei Technologies CN – 3,898 applications published
- **Universities:** University of California US – 361 applications published
- **Government and Research Institutions** – Commissariat à l'Énergie Atomique et aux Énergies Alternatives FR – 409 applications published

# Top PCT Applicants 2015\*

( ) of published  
PCT applications

- |     |                                  |                   |
|-----|----------------------------------|-------------------|
| 1.  | Huawei Technologies—CN (3,898)** | +450              |
| 2.  | Qualcomm—US (2,442)              |                   |
| 3.  | ZTE—CN (2,155)                   |                   |
| 4.  | Samsung—KR (1,683)               | +300, up from #11 |
| 5.  | Mitsubishi Electric—JP (1,593)   |                   |
| 6.  | Ericsson—SE (1,481)              |                   |
| 7.  | LG Electronics—KR (1,457)        | +320, up from #16 |
| 8.  | Sony—JP (1,381)                  | +400, up from #21 |
| 9.  | Philips—NL (1,378)               |                   |
| 10. | Hewlett-Packard—US (1,310)       | +485, up from #25 |
| 11. | Siemens—DE (1,292)               |                   |
| 12. | Intel—US (1,250)                 |                   |
| 13. | Bosch—DE (1,247)                 |                   |
| 14. | Boe Technology—CN (1,227)        |                   |
| 15. | Toyota—JP (1,214)                |                   |
| 16. | Panasonic—JP (1,185)             |                   |
| 17. | Hitachi—JP (1,165)               |                   |
| 18. | Halliburton—US (1,121)           |                   |
| 19. | Sharp—JP (1,073)                 |                   |
| 20. | Tencent Technology—CN (981)      |                   |

20% of PCT  
applicants were  
responsible for more  
than 80% of the  
published applications

\*48,539 total PCT  
applicants in 2015

\*\*more than 15  
per WIPO working  
day

2015:  
85% businesses  
8% individuals  
5% universities  
2% government and  
research institutions

# Top University PCT Applicants 2015

1. University of California (US)
2. MIT (US)
3. Johns Hopkins (US)
4. University of Texas (US)
5. Harvard University (US)
6. University of Michigan (US)
7. University of Florida (US)
8. Tsinghua University (CN)
9. University of Tokyo (JP)
10. Stanford University (US)
11. Seoul National University (KR)
12. Peking University (CN)
13. Columbia University (US)
14. Isis Innovation Limited (GB)
15. Cornell University (US)
16. University of Pennsylvania (US)
17. Kyoto University (JP)
18. Korea University (KR)
19. CalTech (US)
20. Danemarks Tekniske Universitet (DK)

# Top PCT PT Applicants 2015

<b>Applicant</b>	<b>Publication</b>	<b>Rank</b>
NOVADELTA - COMERCIO E INDUSTRIA DE CAFES S.A.	11	1826
SARONIKOS TRADING AND SERVICES, UNIPessoal LDA	10	1980
INSTITUTO SUPERIOR TECNICO	6	3070
UNIVERSIDADE DE AVEIRO	6	3070
UNIVERSIDADE DO PORTO	6	3070
PORTELA & C.A., S.A.	5	3595
ASSOCIATION FOR THE ADVANCEMENT OF TISSUE ENGINEERING AND CELL BASED TECHNOLOGIES & THERAPIES (A4TEC)	4	4365
TECNIMEDE - SOCIEDADE TECNICO-MEDICINAL, S.A.	4	4365
GI - GASIFICATION INTERNATIONAL, S.A.	3	5606
STEMMATTERS, BIOTECNOLOGIA E MEDICINA REGENERATIVA SA	3	5606



# PCT Testimonial: Inventor

Professor Shuji Nakamura—co-winner of the 2014 Nobel Prize for Physics for his work on blue LED technology—is quoted in a December 2014 *WIPO Magazine* article:

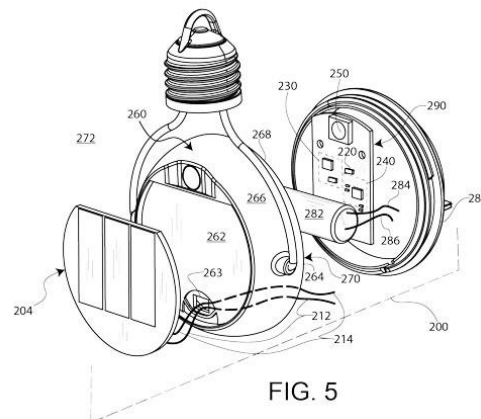


***“... The PCT is critical for these early stage technologies because it gives us the opportunity to protect our patents globally while allowing the market and the technology to mature further before determining which countries might be most valuable to commercial partners.”***

# PCT Testimonial: Start-up

**Nokero** (produces solar-powered lights which replace kerosene lamps and candles used in developing and least -developed countries--it has so far distributed over 1.4 million lights in 120 countries and won a United States Patent and Trademark Office's Patents for Humanity Award)

*“When it comes to patenting, because we operate in so many different markets, we use WIPO’s Patent Cooperation Treaty (PCT). Every start-up has limited funds and the PCT is a great mechanism for delaying patent filing costs, allowing time to test the market and overcome any unforeseen technical problems. Without the PCT, protecting an invention in international markets would be a high-risk strategy with huge upfront costs.”*



# PCT Testimonial: Large Company

## Qualcomm:

- Started in 1985 with 7 people
- Today more than 170 offices in more than 40 countries, and 33,000 employees
- \$25.3 billion in revenue in FY 2015
- #2 user of PCT in 2015: 2442 PCT applications published



***“Over the past 25 years, Qualcomm has been one of the largest users of the PCT system. To date we have filed more than 9,000 patent applications. International patent applications are important to the protection of innovations around the globe. The PCT helps put innovation into practice by providing a simple and cost-effective way to file international patent applications. The PCT is critical for Qualcomm because we are, above all, an innovation company....[PCT] has been a vital partner in the success of our company and the growth of the wireless industry.”*** CEO Paul Jacobs, 2011

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2. provides a strong basis for patenting decisions
3. harmonizes formal requirements
4. protects applicant from certain inadvertent errors
5. evolves to meet user needs
6. is used by the world's major corporations, universities and research institutions when they seek multinational patent protection
7. can result (if PCT reports are positive) in accelerated national phase processing (PCT-PPH)

# Patent Prosecution Highway (PPH) and PCT

- Accelerated examination in the national phase based on a positive work product of an International Authority (written opinion of the ISA or the IPEA, IPRP (Chapter I or II))
- Conditions:
  - At least one claim has been determined by the ISA or the IPEA to meet the PCT criteria of novelty, inventive step and industrial applicability; and
  - ALL the claims must sufficiently correspond to the claims deemed to meet the PCT criteria (they are of the same or similar scope or they are of narrower scope than the claims in the PCT application)
- Global PPH and PCT:
  - Introduction of Global PPH Pilot in January 2014
  - Single set of qualifying requirements that simplifies the existing PPH network so that it is more accessible for users

# Various PCT services

- New ISAs/IPEAs: ISA/XV ('15) and ISA/TR ('16)
- PCT Highlights
- PCT Direct
- Licensing availability
- ePCT
- Third Party Observations
- PATENTSCOPE
- WIPO Pearl
- Arbitration and Mediation Center Fee Reductions
- PCT training options
- WIPO GREEN

# Indication of availability for license

- PCT applicants can indicate in relation to their published applications that the invention is available for license
  - How? Applicants may submit a “licensing request” (see PCT Form [PCT/IB/382](#)) directly to the IB
  - When? At the time of filing or within 30 months from the priority date
  - Free of charge
  - Applicants can file multiple licensing requests or update previously submitted ones (within 30 months from the priority date); such requests may be revoked by the applicant at any time, that is, also after 30 months from the priority date
- Submitted licensing indications made publicly available after international publication of the application on PATENTSCOPE under “*Bibliographic data*” tab with a link to the submitted licensing request itself
- International applications containing such licensing indication requests can be searched in PATENTSCOPE
- Most use thus far from universities/research institutions

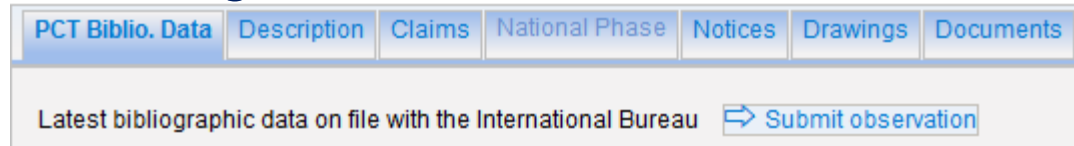


# ePCT

- WIPO online portal that provides PCT Services for both applicants and Offices
- User interface available in all (10) PCT publication languages
- Provides secure and direct electronic access to/interaction with International Bureau's PCT application files by applicants/agents
- Applicants/agent can conduct most PCT transactions electronically with the International Bureau
- 30'000 users (5'000 very active in Private Services) in over 100 countries (e.g. US, CA, AU, TR, IN, SE, FI and BR), 67 offices
- ePCT-Filing: -based electronic filing of new PCT applications
  - 42 ROs accepting ePCT Filings
- More information: <https://pct.wipo.int/ePCT>

# 3<sup>rd</sup> Party Observation System

- Allows third parties to submit prior art observations relevant to novelty and inventive step as to published PCT applications
  - Goal: Improve patent quality--give national offices (and PCT Authorities) better/more complete information on which to base their decisions
- Web-based system using in PATENTSCOPE or via ePCT public services
- Free-of-charge
- Submissions possible until the expiration of 28 months from the priority date
- Applicants may submit comments in response to submitted observations until the expiration of 30 months from the priority date
- Anonymous submission of third party observations possible



# PCT training options

- 29 PCT training videos on [WIPO's Youtube channel](#) and WIPO's PCT page
- PCT [distance learning course](#) content available in the 10 PCT publication languages
- PCT [webinars](#)
  - providing free updates on developments in PCT procedures, and PCT strategies—previous webinars are archived and freely available
  - upon request also for companies or law firms, for example, for focused training on how to use ePCT
- In-person PCT [seminars](#) and training sessions
- Advanced PCT Seminar on WIPO premises (in Fall)

# PCT Resources/Information

For further information about the PCT, see

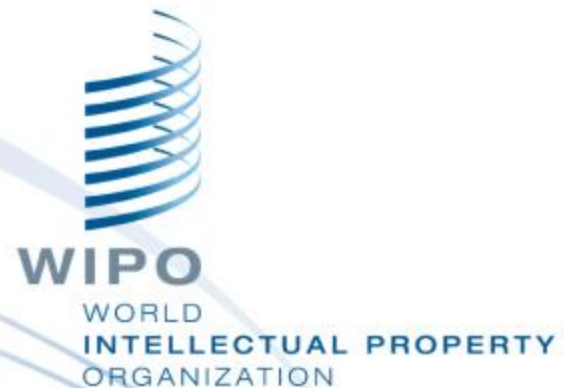
<http://www.wipo.int/pct/en/>

For general questions about the PCT, contact the PCT Information Service at:

Telephone: (+41-22) 338 83 38

Facsimile: (+41-22) 338 83 39

E-mail: [pct.infoline@wipo.int](mailto:pct.infoline@wipo.int)



Questions?

Thank you for your attention !

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+ 41 22 910 00 30  
[Christine.Bonvallet@wipo.int](mailto:Christine.Bonvallet@wipo.int)



# The Madrid System

International Registration of Trademarks

# The Lisbon System

International Registration and Protection for Appellations of Origin and Geographical Indications



Speaker: Lucy Headington-Horton, Senior Legal Officer, Brands and Designs Sector, Madrid Registry, Legal Division

Coimbra, Portugal  
February 15, 2017

**WIPO**  
WORLD  
INTELLECTUAL PROPERTY  
ORGANIZATION



# The Madrid System for the International Registration of Marks

# It begins with a product and a trademark and a plan to export...



CLAUS PORTO



III=O

# Protection Options

- Then a choice must be made regarding the best way to protect your trademark(s) abroad:
  - The national route: file trademark application(s) with the Trademark Office of each country in which you want protection
  - The regional route: apply through a regional system with effect in all member states (ARIPO, Benelux Trademark Office, EUIPO and OAPI)
  - The international route: file through the Madrid System

# The International Route

The International route through the Madrid System may be the preferred option when you:

- Seek protection in multiple markets, particularly if these are in different regions
- Want flexibility to add new markets as your export plans develop
- Have limited budget and/or time to spend on registration and management of your trademarks

# The Madrid System is convenient

- Access to a centralized filing and management system (a one-stop shop for trademark holders to obtain and maintain trademark protection in export markets).
- File **one** application, in **one** language and pay **one** set of fees for protection in multiple markets
- Expand protection to new markets as your business strategy evolves

# The Madrid System is Cost-effective

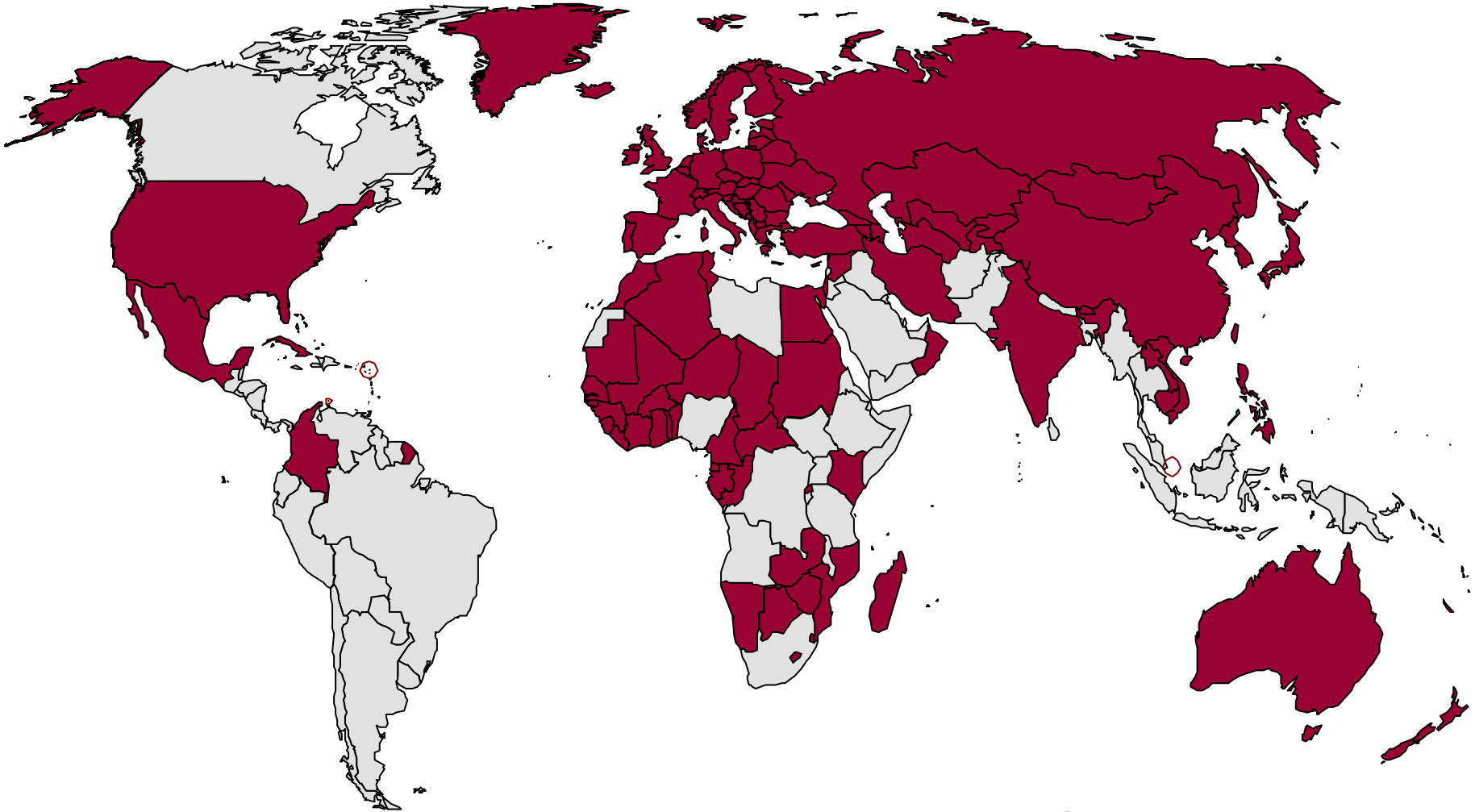
- An international application is the equivalent of a bundle of national applications, effectively saving time and money
- Avoid paying for translations into multiple languages or working through the administrative procedures of multiple IP offices

# The Madrid System Offers Broad Coverage

- Protect your trademark/s simultaneously in the 114 territories covered by the 98 members of the System
- Access markets that represent in excess of 80% of world trade, with potential for expansion as membership grows
- Recent accessions:
  - 2013: India, Rwanda and Tunisia
  - 2014: OAPI and Zimbabwe
  - 2015: Cambodia: Algeria, The Gambia, Lao PDR
  - 2016: Brunei Darussala
- Future accessions
  - ASEAN countries
  - Latin America and Caribbean countries
  - African countries
  - Arabic region



# Members of the Madrid System



**98 members\* (including EU and OAPI)  
covering 114 countries**

**WIPO**  
WORLD  
INTELLECTUAL PROPERTY  
ORGANIZATION

\*All are party to the Protocol, the governing treaty, while 55 are also party to the Agreement

# How the Madrid System Works

## The International Trademark Registration Process



# Costs

- Fees payable to WIPO in Swiss francs
- Basic fee\* includes 3 classes of goods/services
  - 653 Swiss francs - b/w reproduction of mark
  - 903 Swiss francs - color reproduction of mark
- Fees for designating Contracting Parties (DCP):
  - Standard fees: Complementary (100 Swiss francs per DCP and supplementary (100 Swiss francs per class beyond 3)
  - OR
  - Individual fees where this is declared

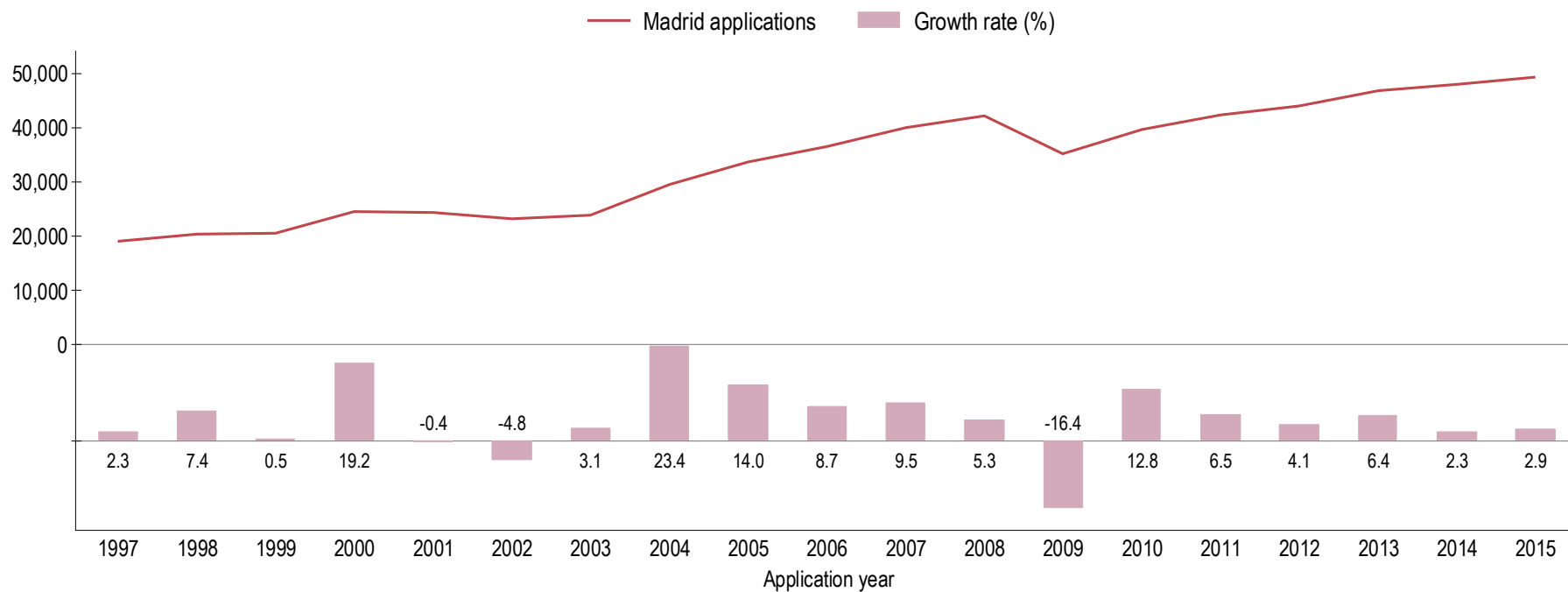
\* Applicants from LDCs benefit from 90% reduction of the basic fee

# Key Features of the Madrid System

- One registration covering multiple territories
- Fixed time limit for refusal – 12 or 18 months
- WIPO examines only for formalities
- Expand protection to new export markets (subsequent designations)
- Centralized management of portfolio
- Dependency and transformation

# International Applications

Figure A.1.1 Trend in international applications

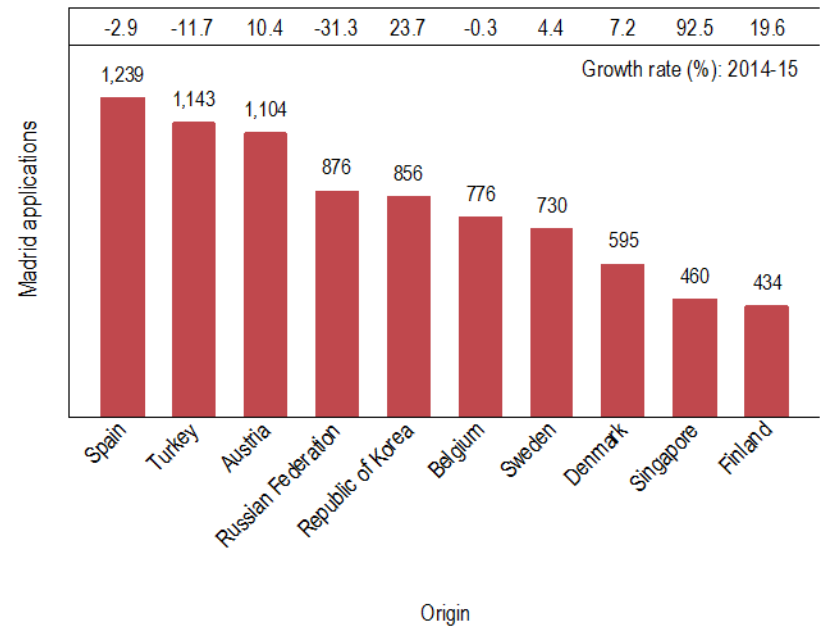
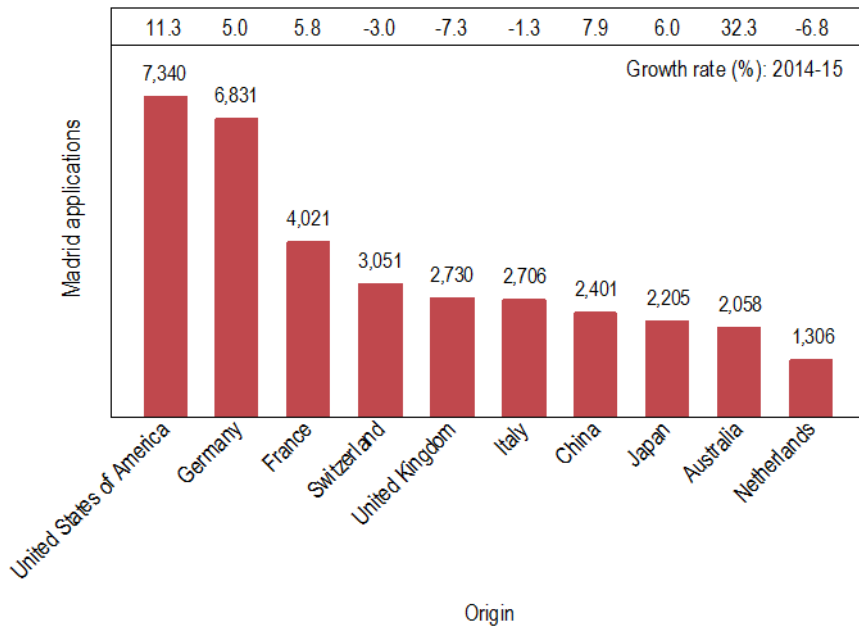


# General Profile 2015

## 51,938 International Registrations

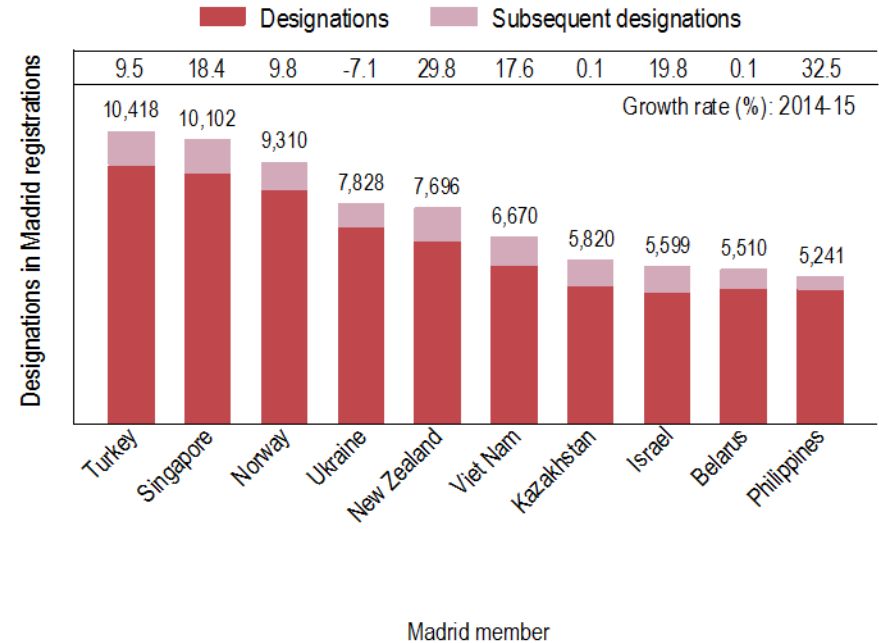
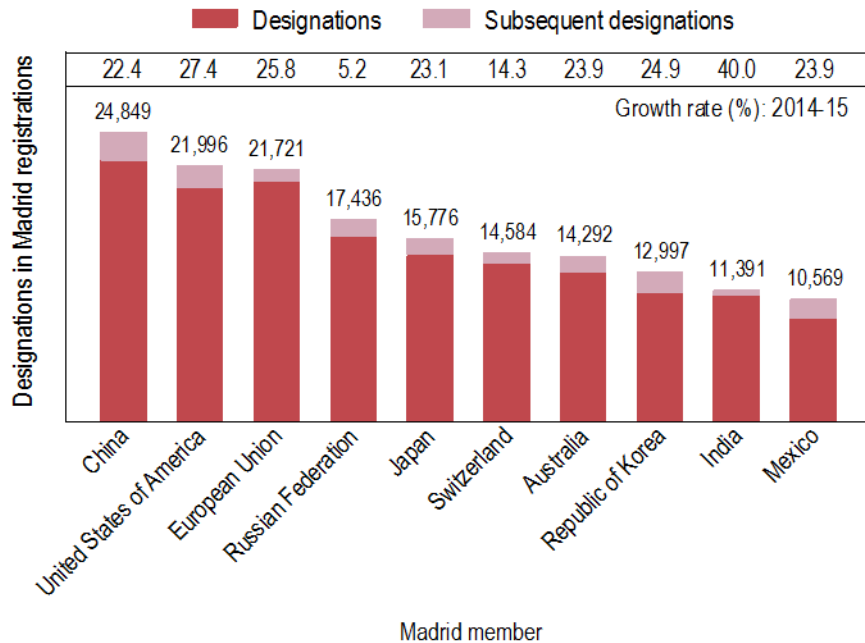
Average Number of Designations	6.75
Average Number of Classes	2.49
Average Fee	CHF 3,102
All Fees	68% < CHF 3,000

# Top 20: Countries of Origin





# Top 20: Designations



# Top Applicants

#	Name	Origin	Applications
1	NOVARTIS	Switzerland	197
2	LIDL	Germany	152
3	L'ORÉAL	France	130
4	PHILIPS	Netherlands	126
5	RICHTER GEDEON NYRT	Hungary	124
6	BOEHRINGER INGELHEIM PHARMA	Germany	90
7	APPLE	USA	85
8	DAIMLER	Germany	83
9	BIOFARMA	France	81
10	GLAXO GROUP	United Kingdom	68

# Portugal's Top Filer 2016

## ■ HELIFLEX TUBOS E MANGUEIRAS. S.A

*(Increase from 1 application filed in 2015, to 19 applications filed in 2016)*

**helivil**

**heliject**

**helijardim**

**monoflat**

**helidrop**

**helispring**

**agroflat**

**Heliflex**

**cristalflex**

**helidrip**

**heliplaste**

**hidrodur**

**heliclean**

**flexigarden**

**helitileno**

**helitherm**

**heliprene**

**heligás**

**helicristal**

**helifogo**

# Portugal

- Member of Madrid Agreement/Protocol since 1893/1997
- Portugal ranks 27<sup>th</sup> (189 filings) in 2016
- Total of active 3157 registrations as of Feb 2017
- First (still active) mark filed in 1957 (basic mark dated 1937)



**DALVA**  
**PORTUGAL**



# Recent Developments

- [Madrid Monitor](#) (Beta) – integrates [ROMARIN](#), the [WIPO Gazette](#), [Madrid E-Alert](#) and [Real-time Status](#)
- Madrid E-Filing (Australia and Benelux)
- Algeria's accession to Protocol
  - Madrid operating, for practical purposes, as single-treaty system
  - One form needed for international applications (MM2)
- Decision to Freeze Accessions to Agreement
- Publication of [Madrid System Pendency Rates](#) at WIPO

# WIPO Resources and E-Services (1)

- Visit the Madrid Website [www.wipo.int/madrid/en](http://www.wipo.int/madrid/en)
- The Madrid Website provides resources and E-Services to assist you to [search before filing](#), [file an application](#) and to monitor and [manage your registration](#)
- In summary, these resources include...

# WIPO Resources and E-Services (2)

## SEARCH

[ROMARIN](#) – database of international registrations

[Member Procedures](#)

[Global Brand Database](#) – search marks by text and image from national/international sources, including trademarks, appellations of origin and official emblems (over 17,880,000 records)

## FILE

[Forms and E-Forms](#)

[Madrid Goods & Services Manager](#) – correct good & service specifications and translation

[Fee Calculator](#)

[E-Payment](#) – online payment system by credit card/[WIPO current account](#)

## MONITOR

[Madrid Monitor \(Beta\)](#) – search and access international registration(IR) information

[Madrid Real-Time Status](#) of international applications and progress of requests being processed by WIPO

[Madrid Electronic Alert](#) monitor changes to international registrations (third party tool)

## MANAGE

[Madrid Portfolio Manager](#) access registration documents, uploading of requests for recording, payments

[Forms and E-Forms](#) – [E-Subsequent Designation](#) and [E-Renewal](#)

[Extracts](#) from the International Register

# WIPO Resources and E-Services (3)

## CONSULT

[E-Services overview and tutorials](#)

[Legal texts](#) – Agreement/Protocol,  
Regulations, Administrative Instructions

[Declarations made under the Madrid  
Agreement and the Madrid Protocol](#)

[Guide to the International Registration of  
Marks](#)

[WIPO Gazette of International Marks](#)

[Office practices on replacement](#)

[Statistics](#)

[Making the Most of the Madrid System](#)  
– Web publications

[Warning](#) – misleading invoices

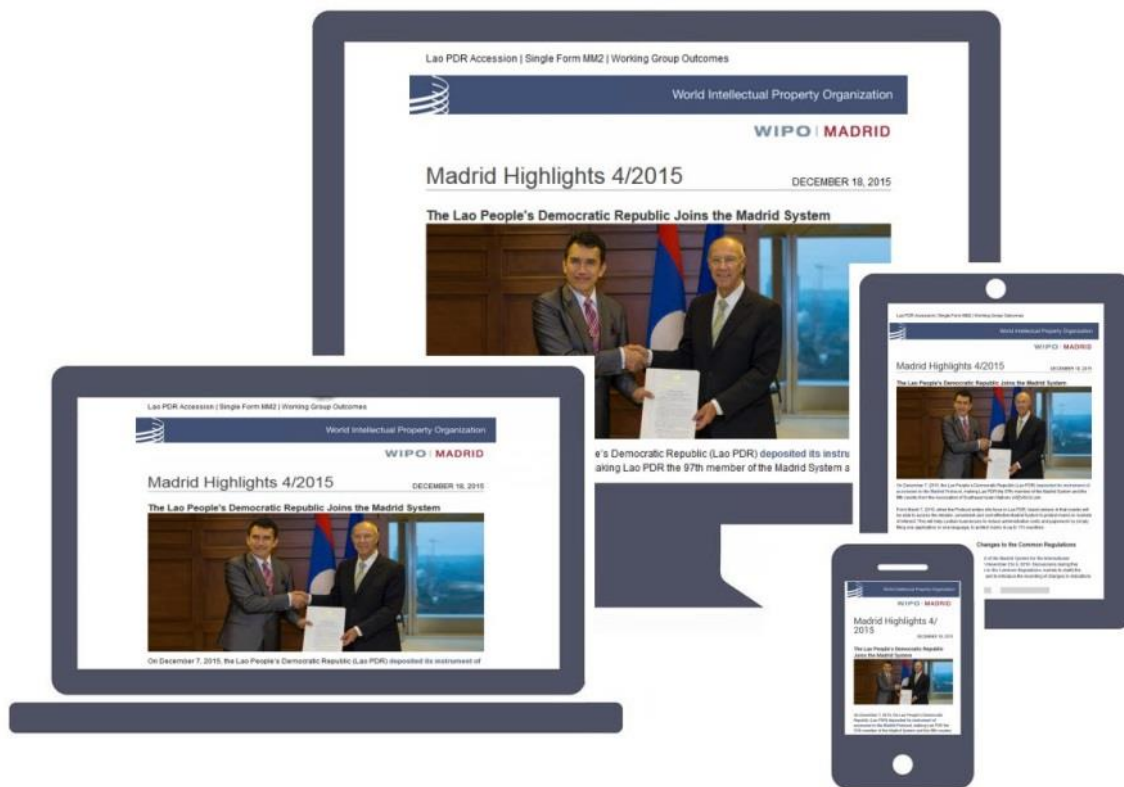


# Keep Updated on the Madrid System

■ Visit the Madrid Website [www.wipon.int/madrid/en](http://www.wipon.int/madrid/en)

■ Subscribe to [Madrid Notices](#), our regular legal and news updates

■ Sign up for [Madrid Highlights](#), our quarterly newsletter



# Contact Details

- For general questions about the Madrid System  
Madrid Customer Service : [intreg.mail@wipo.int](mailto:intreg.mail@wipo.int)  
Telephone: + 41 22 338 8686
- For questions regarding specific international applications or international registrations  
Madrid Team 3: [madrid.team3@wipo.int](mailto:madrid.team3@wipo.int)  
Telephone: + 41 22 338 750 1



**The Lisbon System:  
*International Registration and Protection  
for Appellations of Origin  
and Geographical Indications***

# Appellations of Origin (AOs) and Geographical Indications (GIs)

- More than just a trademark – **Distinctive sign indicating a connection between quality, characteristics, reputation of goods and their geographical origin**
- Appellation of Origin –v– Geographical Indications
  - Type of link between the qualities and the characteristics of the product and the natural environment which they originate.

# Differences between AOs and GIs

## ■ AO's (Lisbon, Art.2)

- Geographical **denomination**
- **Recognized** as referring to quality or characteristics of a specific product
- Due exclusively or essentially to the geographical **environment** (natural factors or human factors)
- AO = **Special category** of GI
- Only existing **multilateral registration system** for the protection of AO's

## ■ GIs (TRIPS, Art 22.1/Geneva Act)

- **Indication**
- Identifies a good with a specific quality **reputation**, or other characteristic
- Essentially attributable to its geographical **origin**

# Why Protect GIs and AOs?

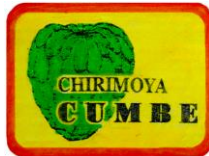
- Benefits for the producers: differentiation and marketing tool, improved livelihood (quality products sold at a premium price)
- Benefits for the consumers: reduced search costs, guarantee to acquire unique high quality products
- Benefits for rural areas: stimulate rural development, value socio-cultural and agro-ecological characteristics of a particular place (help sustain production of traditional products)
- Benefits for regions and countries: positive spillover effects (tourism, additional income, improved reputation)

# How to protect geographical indications

## ■ *Sui generis* legislation



## ■ Collective or certification marks



## ■ Administrative systems (labelling, etc.)

## ■ Legislation on unfair competition

# Systems of protection worldwide

## ■ **Multilateral Agreements**

- Protection of GIs under TRIPS
- **Protection of AOs under the Lisbon Agreement**

*Legal protection they provide is based on various means of protection at the national level: an act of public law (law, decree, administrative decision, ordinance), or a judicial decision*

## ■ **Regional Systems of Protection (EU, OAPI...)**

## ■ **Bilateral Agreements**

Under such agreements two States or two trading partners agree to protect each other's GIs or AOs

## ■ **National Laws**

- **General laws focusing on business practices** (unfair competition and consumer protection provisions)
- **Specific protection systems** for GIs and AOs (sui generis)
- **Trademark law provisions** devoted to collective marks and/or certification and guarantee marks
- **Administrative schemes** of label control



# The Lisbon International Registration System

## The Lisbon Agreement for the Protection of Appellations of Origin and their International Registration (1958)

- International protection of AOs through a single registration procedure with WIPO
- All **categories of products** can be protected under Lisbon (food, beverages, handicrafts...)
- 28 Contracting Parties
- 1060 registrations – 955 in force (see [Lisbon Express Database](#))

## The Geneva Act of the Lisbon Agreement on Appellations of Origin and Geographical Indications (2015)

- Revises and modernizes the Lisbon Agreement
- 15 signatories
- Will enter into force with **five** ratifications or accessions
- *Aim of the Revision:*
  - extend scope of protection to GIs, in addition to AOs
  - allow the accession of IGOs
  - flexibility as to the type of legislation (*sui generis*/TM) under which AOs/GIs are protected at the national level

# The Lisbon Agreement in a Nutshell...

- Established to facilitate the international protection of appellations of origin (AOs) through a **single registration procedure** (*“simple and accessible”*)
- Administered by WIPO, which keeps the **International Register of Appellations of Origin**

# The Lisbon Agreement in a Nutshell...

- **Indefinite** protection in **all Contracting Parties**

- *exception: refusal, invalidation, enunciation of protection, and*
- *as long as the AO is protected in the Contracting Party of Origin*

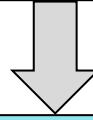
- **High level protection** of the registered AOs in the other Lisbon countries

*(against any **usurpation** or **imitation**)*

- Protection of registered AOs **against becoming generic** in the other Lisbon countries

- Provides standing for taking **legal action**

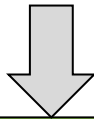
**Application for an International Registration**  
*(by Competent Authority of the Country of Origin)*



**Registration in the International Registry and Publication (WIPO)**  
&  
**Notification of the Registration to all Contracting Parties (WIPO)**

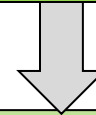


**Refusal of Protection (total/partial)**  
*(one year)*

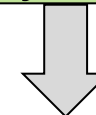


**Withdrawal of Refusal (total/partial)**  
or  
**Notification of Protection**

**Notification of Grant of Protection (optional)**

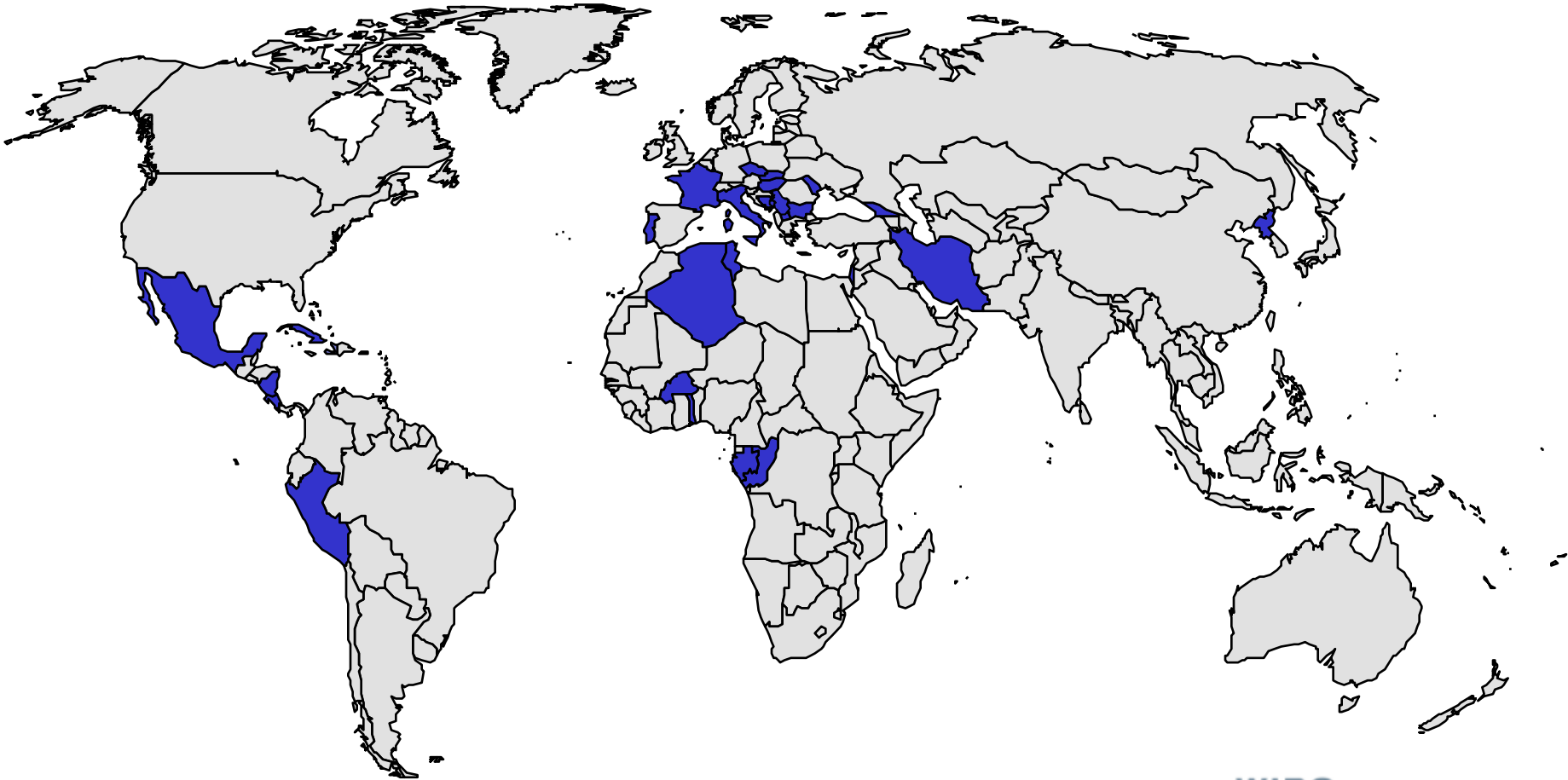


**Transitional Period (2 years)**



**Invalidation or Renunciation**

# States Party to the Lisbon Agreement (28 Contracting Parties)



# Lisbon Union: 28 Member States

## Europe (13)

Bosnia and Herzegovina  
Bulgaria  
Czech Rep.  
France  
Georgia  
Hungary  
Italy  
Moldova  
Montenegro  
**Portugal**  
Serbia  
Slovakia  
The FYR of Macedonia

## Africa (6)

Algeria  
Burkina Faso  
Congo  
Gabon  
Togo  
Tunisia

## America (6)

Costa Rica  
Cuba  
Haiti  
Mexico  
Nicaragua  
Peru

## Asia (3)

Islamic Rep. of Iran  
Israel  
DPR of Korea

# 1062 registrations – 957 in force

■ Algeria	7	■ Mexico	14
■ Bulgaria	51	■ Montenegro	2
■ Costa Rica	1	■ Peru	8
■ Cuba	20	■ <b>Portugal</b>	<b>7</b>
■ FYR of Macedonia	5	■ Rep. of Moldova	1
■ France	509	■ DPR of Korea	6
■ Georgia	28	■ Czech Rep.	76
■ Hungary	28	■ Serbia	3
■ Iran (Islamic Rep.)	32	■ Slovakia	7
■ Israel	1	■ Tunisia	7
■ Italy	142		

(January 31, 2017)

# Examples of Portuguese Registrations under the Lisbon Agreement



(AO 564) **VINHO VERDE**  
Green wines



(AO 683) **MADEIRA**  
Wine products



(AO 682) **PORTO**  
Generous wine (liqueur wine)



# Registered Appellations of Origin

## The LISBON EXPRESS database

## The AO Bulletin

The screenshot shows the WIPO LISBON database search interface. The browser window title is "Lisbon Search - Microsoft Internet Explorer" and the address bar shows "http://www.wipo.int/ipdl/en/search/lisbon/search-struct.jsp". The page features the WIPO LISBON logo and navigation menus. The main content area is titled "Search Appellations of Origin (Lisbon Express)" and contains a "Structured Search" form with various criteria like Number, Appellation, Country of Origin, Area of Production, Product, Category, Nice Classification, and Holder. A "SHORTCUTS" section on the right lists links for Help, Sample Search, ST 3 (Country codes), PDF, Feedback, and Lisbon Web site.



The Bulletin "Appellations of origin" is the official publication of the Lisbon System. It is issued by WIPO for the publication of new registrations and other recordings in the International Register as well as information concerning changes in the legal framework of the Lisbon System. In addition, the Bulletin contains statistical information concerning registered appellations of origin.

# Geneva Act of the Lisbon Agreement on Appellations of Origin and Geographical Indications

- Adopted on May 20, 2015

- 15 signatories

*(Bosnia and Herzegovina, Burkina Faso, Congo, Costa Rica, France, Gabon, Hungary, Italy, Mali, Nicaragua, Peru, Portugal, Republic of Moldova, Rumania, Togo)*

- Will enter into force with **five** ratifications or accessions



# The New Features of the Geneva Act (1)

New

- Provides a definition & extends scope of protection to **geographical indications**
- Maximum **flexibility** as to the **type of legislation** under which a Contracting Party protects registered AOs/GIs (*sui generis, TM, other*)
- Possibility given to Contracting Parties to request **payment of individual fees** (*subject to a declaration made at the time of accession*)
- Possible accession of **intergovernmental organizations**

# Application Procedure

- Applications are filed by the **Competent Authority** of the CP of Origin in the name of:
  - the **beneficiaries**  
(those having the right to use the AO/GI)
  - or
  - a **natural person or legal entity** having legal standing to assert rights of the beneficiaries or other rights in the AO/GI
- **Direct filings** by these right holders (only if their country allows for it) **New**

# The New Features of the Geneva Act (2)

New

- Clarification of the **scope of protection**  
(*in respect of goods of the **same kind**, goods that are **not of the same kind or services** and in respect of any use amounting to **imitation***)
- Notification of a refusal *ex officio* or **at the request of any interested party**
- **Safeguards** for prior trademarks rights, personal names used in business, and plant variety or animal breed denominations

# Generic Character

- Protection against becoming **generic**
- **Exceptions:**
  - Prior use as a generic in a CP **is a possible ground for refusal**
  - If the GI/AO contains a term that is **considered generic in the CP of Origin**, other Members are not obliged to protect such term (e.g. coexistence Brie and Brie de Meaux)

New

**Thank you!**

**lisbon.system@wipo.int**





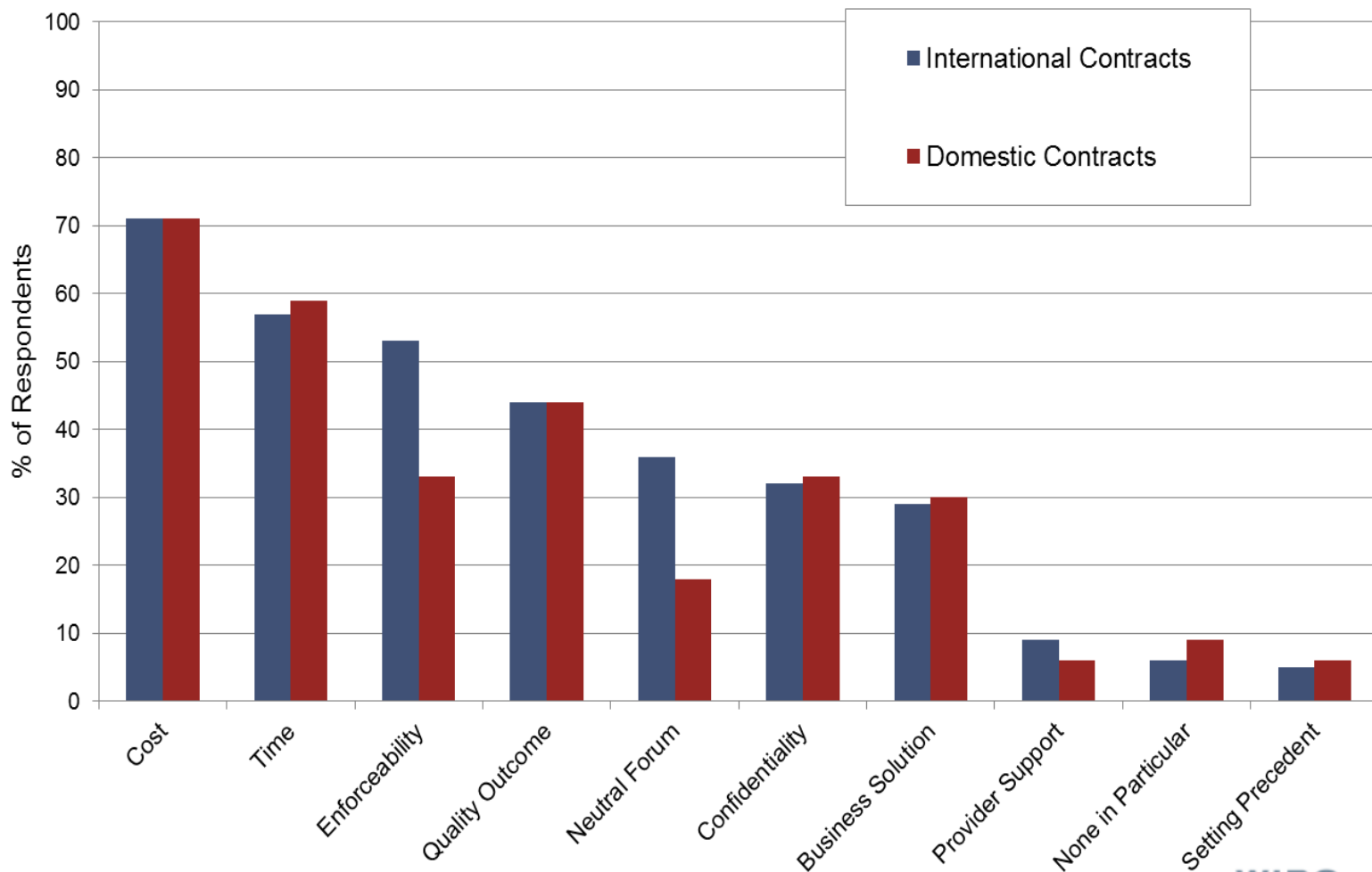
# Resolving IP Disputes outside the Courts through WIPO ADR



Speaker : Victor Vázquez López, Head, Section for Coordination of Developed Countries

Coimbra, Portugal  
February 15, 2017

# Top Ten Priorities in Parties' Choice of Dispute Resolution Clause



# WIPO Arbitration and Mediation Center

- Helps parties resolve IP and technology disputes outside the courts (alternative dispute resolution: ADR)
  - Mediation
  - Arbitration; Expedited arbitration
  - Expert determination
  - Domain name dispute resolution
- WIPO mediators, arbitrators and experts experienced in IP and technology
  - Delivering informed results efficiently
- WIPO Rules tailored to IP and technology disputes
- Competitive fees
- International neutrality

# WIPO ADR – Areas of Dispute

## Trademarks

Coexistence  
Infringements  
Licenses  
Oppositions  
Revocations

## Patents

Cross-licensing  
Infringements  
Licenses  
Ownership  
Patent Pools  
R&D / Tech Transfer  
Royalty Payment

## Copyright

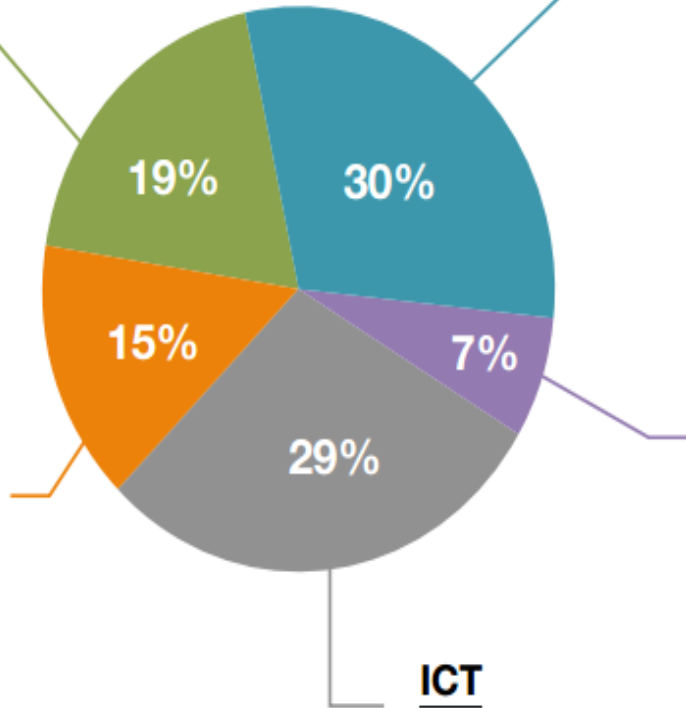
Art  
Broadcasting  
Entertainment  
Film and Media  
Infringements  
TV Formats

## Commercial

Distribution  
Energy  
Franchising  
Marketing  
Sports

## ICT

Mobile Apps  
Outsourcing  
Systems Integration  
Software Development  
Software Licensing  
Telecommunications



# WIPO ADR

- WIPO case administration prioritizes time and costs
- Domestic and international disputes (25/75%)
- Location of case decided by parties
- 1,500+ mediators and arbitrators, globally, for appointment
- Amounts in dispute from USD 20,000 to USD 1 billion
- Enforceable arbitration awards (New York Convention)
- Confidential

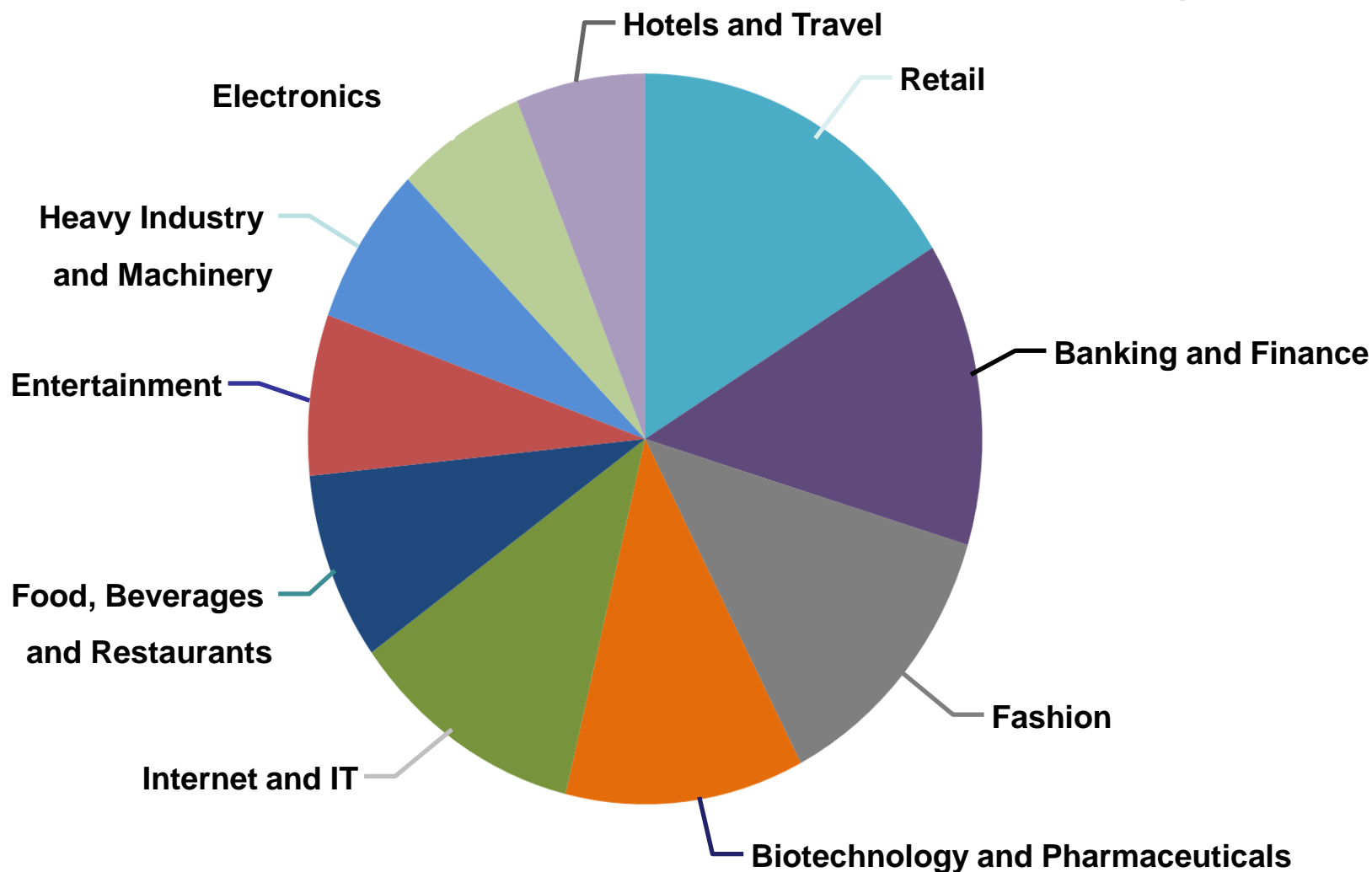
# WIPO Services for Trademark Owners Against Cybersquatting

- 1999: WIPO-created international administrative ADR procedure; Uniform Domain Name Dispute Resolution Policy (UDRP)
- Allows trademark owners to resolve “clear cut” cases of abusive domain name registration and use (“cybersquatting”)
- Significantly quicker and cheaper than court litigation
  - Two-month average
  - Fixed fees (USD 1,500)
  - Paperless filing

# WIPO Services for Trademark Owners Against Cybersquatting continued

- 16 years' experience: 36,000 WIPO cases covering 66,000 domain names
  - Parties from 177 countries
  - Multilingual case administration
- Key online resources for parties
  - WIPO Jurisprudential Overview of Selected UDRP Questions
  - WIPO Legal Index of UDRP Decisions

# WIPO Domain Name Cases – Top 10 Areas of Complainant Activity





# WIPO Mediation Example: IT Dispute

- 2012 European airline agreement with a US software company re. development of worldwide platform for the management of ticket sales
- 2013 professional services agreement: detailed description of the project as well as the support services to be delivered by the software company
- WIPO mediation followed by WIPO expedited arbitration clause
- Airline paid several million USD for the application
- 2015 airline terminated the agreement
- Software company requested that the software be returned
- Airline initiated mediation
- Result: new license

# Further Information on WIPO ADR Services

- Queries and case filing:  
[arbiter.mail@wipo.int](mailto:arbiter.mail@wipo.int)
- WIPO Rules, neutrals and case examples:  
[www.wipo.int/amc/](http://www.wipo.int/amc/)
  - Model clauses:  
[www.wipo.int/amc/en/clauses/](http://www.wipo.int/amc/en/clauses/)
- WIPO Domain Name Dispute Resolution:  
[www.wipo.int/amc/en/domains/](http://www.wipo.int/amc/en/domains/)
- Subscribe: WIPO ADR Highlights Newsletter  
[www.wipo.int/newsletters-archive/en/adr\\_highlights.html](http://www.wipo.int/newsletters-archive/en/adr_highlights.html)



# Global Databases for IP Platforms Tools for the Connected Knowledge Economy



Speaker: Justin Diaconescu, Head, Patent Database Section,  
Global Infrastructure Sector

Coimbra, Portugal  
February 15, 2017

# Strategic Goals of Global Databases and Tools

- Two related goals:
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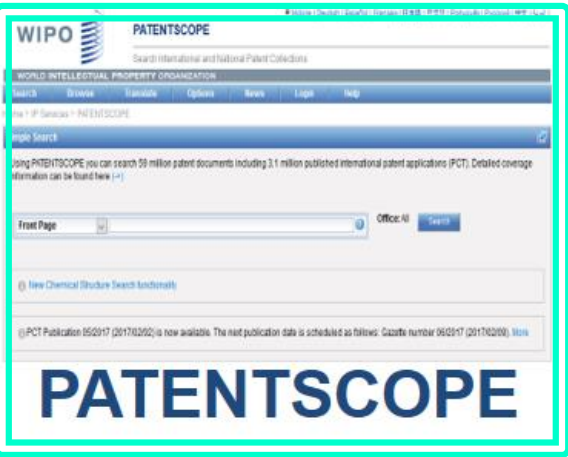
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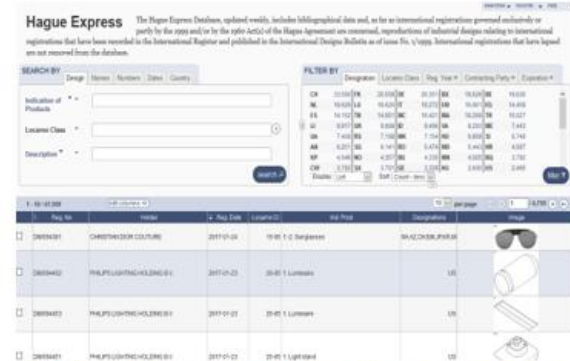
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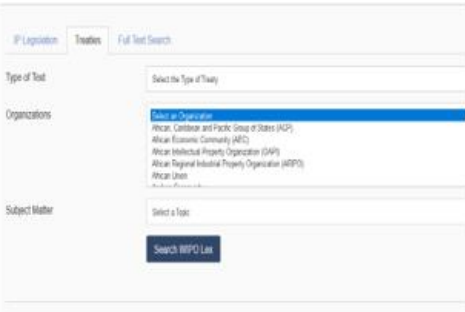
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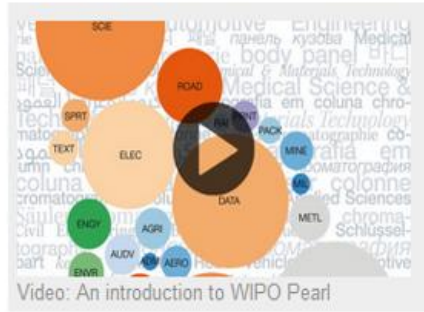
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IPC Classifications

Publication Date

English Title

English Abstract

Applicant Name

Inventor Name

IPC Classifications

Office Code

English Description

English Claims

Language: English Date: Office: All Search

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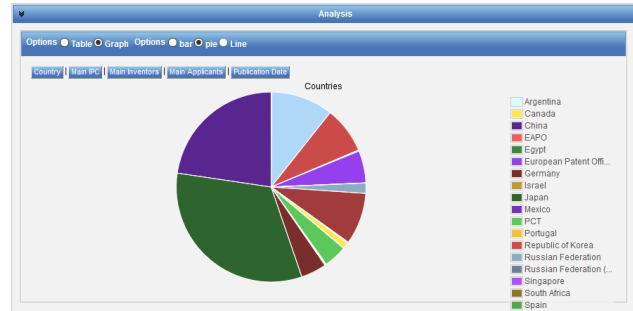
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Int.Class.	App.No.	Applicant	Inventor	PubDate
1.	WO/2017/017703	INFLATABLE AND STACKABLE MODULAR STROLLER	WO	02.02.2017
	B02B 9/12	PCT/IT2016/000183	MALAGNINO, Raniero	
2.	WO/2017/017855	CAR INFORMATION MANAGEMENT DEVICE	WO	02.02.2017
	B00L 7/12	PCT/JP2015/071111	MITSUBISHI ELECTRIC CORPORATION	

1. (WO2017017703) INFLATABLE AND STACKABLE MODULAR STROLLER

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Pub. No.: WO2017017703 International Application No.: PCT/IT2016/000183  
 Publication Date: 02.02.2017 International Filing Date: 27.07.2016  
 IPC: B02B 9/12 (2006.01); B60W 2/44 (2006.01)

Applicants: MALAGNINO, Raniero (IT); (IT)  
 Inventors: MALAGNINO, Raniero; (IT)  
 Priority Data: UG015500231 / 27.07.2015 (IT)  
 Title: (EN) INFLATABLE AND STACKABLE MODULAR STROLLER / (FR) POUSSETTE MODULAIRE GONFLABLE ET EMPILABLE

Abstract: (EN) Modular inflatable and stackable "all in one" stroller in modern inflatable materials that allows in very little space - to become a complete stroller with all due to rapid inflation from electric integrated pumps; - to be stored one over another in car or house; - to become a baby car seat quickly; - to become high chair removing the wheels and replacing them with rubber foos (all plugged in the same body carrier); - to become a multi stroller for twins or more brothers.  
 (FR) L'invention concerne une poussette "tout en un" modulaire gonflable et empilable composée de matériaux gonflables modernes souples, dans un ensemble très léger - se transforme en une poussette complète grâce à un gonflage rapide à partir de pompes intégrées électriques; - être stockée sur d'autres poussettes similaires dans une valise ou une maison; - être rapidement transformée en un siège auto pour bébé; - être transformée en une chaise haute en retirant les roues et en les remplaçant par des pieds en caoutchouc tous enfichés dans le même support de corps; - être transformée en une poussette multiple pour des jumeaux ou une triple.

Designated States: AE, AG, AI, AL, AM, AU, AZ, BA, BB, BG, BH, BR, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, IL, IN, JP, KE, KG, KH, KP, KR, KZ, LA, LC, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MU, MW, MY, MZ, NA, NI, NG, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, SN, SV, SY, TH, TJ, TN, TR, TT, TZ, UG, US, UZ, VC, VN, ZA, ZM, ZW  
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Publication Language: English (EN)  
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1. (WO2017017703) INFLATABLE AND STACKABLE MODULAR STROLLER

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Designated States: AE, AG, AI, AL, AM, AU, AZ, BA, BB, BG, BH, BR, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, IL, IN, JP, KE, KG, KH, KP, KR, KZ, LA, LC, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MU, MW, MY, MZ, NA, NI, NG, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, SN, SV, SY, TH, TJ, TN, TR, TT, TZ, UG, US, UZ, VC, VN, ZA, ZM, ZW  
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 African Intellectual Property Organization (BF, BJ, CF, CI, CG, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG)

Publication Language: English (EN)  
 Filing Language: English (EN)

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1. (WO2017017703) INFLATABLE AND STACKABLE MODULAR STROLLER

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INFLATABLE AND STACKABLE MODULAR STROLLER

TECHNICAL FIELD

The field of invention refers to upright and ultra-compact stroller and car seats suitable for children from 0 months to 4 years old up to 30kg weight approx. More in particular, the invention concerns a stroller "all in one" which comprises, as unique principal body made in hard plastic materials as the PVC or other rigid material already approved for this type of use with high breaking load, low density, resistant, abrasion resistant and non-inflammable as well as for example the polypropylene or polyethylene in general or composite polymers, the whole structure on which will accommodate the child (including one safety, one bracket with the headrest and one footrest) in inflatable material, the inflatable PVC or other material already known and already approved for these types of uses as the material that is used for the modern inflatable furniture or the drop shock fabric (PVC with filament polyurethane used in modern inflatable aircraft seats and already fully tested and responder for more severe safety criteria used both in internal and external that through one or more electric pumps integrated in the principal platform, allow the fast inflation and deflation of the sitting), backrest and footrest of the stroller and through the elongation of landing in tubular aluminum alloy or other light alloy, integrated and fully contained inside the main platform rigid, and through the extension of the wheels, allows the full opening of the stroller.

BACKGROUND ART

With this stroller upright and ultra-compact inflatable stroller you want to remove the maximum the space that usually is due to a standard stroller even if closed with maximum use as those currently using closed, "all in one" - pat. No. US20140091500 A1

This stroller in fact is formed by a platform rigid PVC (or other material type but used for the base of baby car seats) as well as a sitting (0.50x0.45 m approximately) and about 0.15 m high, allowing, helped by one or more electric pumps incorporated along the back side of the platform, the rapid inflation (and deflation) of the seat of the backrest (soft) and of the footrest and the possible inflation of accessories as the container for the legs in winter or the roof, so make the all, once belted, totally due to a real stroller for children.

The total weight of the stroller that willing to be an upright stroller will then not exceed 6000g.

The principal platform when closed is reduced in a rigid base that can be easily stacked in a car (one on the other) i home and may be carried as a simple backpack.

In addition a difference between conventional car seats or a difference between that is "inflatable" - pat. No. US20130295420 A1 (later abandoned in date 05.01.2015 because no reply) has been received from united states patent office applicant; - This stroller is modular and allows the transformation of a single platform as both a baby stroller a baby car seat and as a baby high chair (replacing wheels of feet included in the same platform) and thus allows the use that is suitable for different needs.

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1. (WO2017017703) INFLATABLE AND STACKABLE MODULAR STROLLER

Published International Application

Date	Title	View	Download
02.02.2017	Initial Publication with ISR (AI (50/2017))	PDF (24p.)	PDF (24p.), ZIP(VM) + TIFFs)
02.02.2017	Declaration	PDF (1p.)	PDF (1p.), ZIP(VM) + TIFFs)

Search and Examination related Documents

Date	Title	View	Download
02.02.2017	International Search Report	PDF (4p.)	PDF (4p.), ZIP(VM) + TIFFs)
02.02.2017	Written Opinion of the International Search Authority	PDF (7p.)	PDF (7p.), ZIP(VM) + TIFFs)
02.02.2017	Search Strategy	PDF (1p.)	PDF (1p.), ZIP(VM) + TIFFs)

Related Documents on file at the International Bureau

Date	Title	View	Download
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02.02.2017	Application Body as Filed	PDF (21p.)	PDF (21p.), ZIP(VM) + TIFFs)



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## Analysis

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No	Ctr	Title	PubDate	Int.Class	Appl.No	Applicant	Inventor
1.	WO	WO/2012/167518 - SOLAR HYBRID VEHICLE	13.12.2012	B60K 6/28	PCT/CN2011/079446	ZHU, Shuyi	ZHU, Shuyi

A solar hybrid vehicle comprises a vehicle body, a vehicle energy configuration system, and a braking energy recycling device (11). The vehicle body collects solar energy with a solar energy collection system, the collected solar energy is stored in the vehicle energy configuration system, and the braking energy recycling device is connected to a storage battery pack (6). A capacitor is disposed between the vehicle energy configuration system and the storage battery pack. The vehicle


**1. (WO2012167518) SOLAR HYBRID VEHICLE**
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**Pub. No.:** WO/2012/167518      **International Application No.:** PCT/CN2011/079446  
**Publication Date:** 13.12.2012      **International Filing Date:** 07.09.2011  
**IPC:** **B60K 6/28** (2007.10), **B60L 8/00** (2006.01) 

**Applicants:** ZHU, Shuyi [CN/CN]; (CN)  
**Inventors:** ZHU, Shuyi; (CN)  
**Agent:** BEIJING GENIUS ESSEN INTELLECTUAL PROPERTY OFFICE; Room 806 ~ 809 Taifeng Huizhong Mansion No.120 Zhushikou W. St., Xicheng District Beijing 100050 (CN)

**Priority Data:** 201110151619.9 08.06.2011 CN

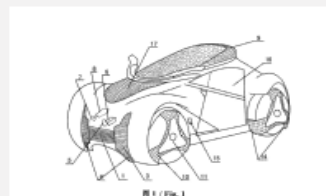
**Title**  
 (EN) SOLAR HYBRID VEHICLE  
 (FR) VÉHICULE HYBRIDE SOLAIRE  
 (ZH) 太阳能混合动力汽车

**Abstract:**

**(EN)**A solar hybrid vehicle comprises a vehicle body, a vehicle energy configuration system, and a braking energy recycling device (11). The vehicle body collects solar energy with a solar energy collection system, the collected solar energy is stored in the vehicle energy configuration system, and the braking energy recycling device is connected to a storage battery pack (6). A sensor is disposed between the vehicle energy configuration system and the storage battery pack. The vehicle energy configuration system is connected to an on-board automatic control system, an external charging interface (15) and an **electric motor** (7). The present invention combines multiple technical solutions, reduces energy consumption, increases the utilization of solar energy, and is more aesthetic and user-friendly.

**(FR)**La présente invention concerne un véhicule hybride solaire comportant une carrosserie de véhicule, un système de configuration d'énergie de véhicule, et un dispositif de recyclage d'énergie au freinage (11). La carrosserie de véhicule collecte de l'énergie solaire grâce à un système de collecte d'énergie solaire, l'énergie collectée est stockée dans le système de configuration d'énergie de véhicule et le dispositif de recyclage d'énergie au freinage est connecté à un bloc d'éléments d'accumulateur (6). Un capteur est disposé entre le système de configuration d'énergie de véhicule et le bloc d'éléments d'accumulateur. Le système de configuration d'énergie de véhicule est connecté à un système de commande automatique embarqué, à une interface de charge externe (15) et à un moteur électrique (7). La présente invention est une combinaison de plusieurs solutions techniques, réduit la consommation d'énergie, accroît l'utilisation de l'énergie solaire, et est plus esthétique et conviviale.

**(ZH)**一种太阳能混合动力汽车, 包含汽车本体、车体能量配置系统、制动能量回收装置(11); 汽车本体通过太阳能采集系统收集太阳能, 收集的太阳能存储在车体能量配置系统中, 制动能量回收装置与蓄





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1. (WO2012)

PCT Biblio. Data Description Claims National Phase

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太阳能混合动力汽车

技术领域

本发明涉及一种太阳能混合动力汽车，属于新能源汽车技术领域。

背景技术

随着国民经济的快速发展，越来越多的家庭已经或即将拥有汽车。但是，国际原油价格的一路飙升为我们高响了能源紧缺的警钟。汽车在中国家庭中的普及要求我们在新能源汽车上取得实质性的技术突破。

目前，国内外众多科研机构、公司都在致力于新能源汽车的研究。其中，混合动力汽车是现有新能源汽车中最接近成熟的产品。混合动力汽车的性能可以超过传统的燃油汽车，但其电池蓄电里成为影响其发展的瓶颈，所以还不能完全取代燃油汽车。

在太阳能汽车的开发研究上，人们已经取得了较大的进展。近年来，太阳能收集转化技术的研究，也有效提高了太阳能的吸收利用率。太阳能汽车的车体玻璃对太阳能的有效吸收利用情况在很大程度上影响了汽车的整体性能。为此，人们在太阳能汽车上尝试使用可烘弯低辐射镀膜玻璃和太阳能薄膜电池来提高太阳能的吸收效率，并取得了一定的效果。

因此，借助技术的更新可以为市场提供更好的节能环保型太阳能混合动力汽车。

发明内容

本发明所要解决的技术问题在于克服现有技术的不足，提供一种太阳能混合动力汽车。

为实现上述的发明目的，本发明采用下述的技术方案：

一种太阳能混合动力汽车，包括汽车本体、太阳能采集系统、车体能量配置系统、车载自动控制系统和制动能量回收装置；

所述汽车本体通过所述太阳能采集系统收集太阳能；收集的太阳能储存在车体能量配置系统中，所述制动能量回收装置与蓄电池组连接；所述车体能量配置系统与所述蓄电池组之间设有传感器，所述车体能量配置系统分别与所述车载自动控制系统、外接充电接口和电动机相连；

所述太阳能采集系统包括太阳能天窗、可烘弯低辐射镀膜玻璃、太阳能薄膜电池以及车轮太阳能板，其中所述太阳能天窗为设置在所述汽车本体顶部的太阳能蜂窝吸光体；

在所述车体能量配置系统中，供电控制单元分别与光强检测单元、太阳能采集单元、能量存储单元、汽车用电单元连接，用于实时接收所述光强检测单元检测到的光强信号，并根据该光强信号控制所述太阳能采集单元、所述能量存储单元以及所述汽车用电单元的运行；

在所述汽车本体的车轮外侧分别设置有磁浮制动盘罩，所述磁浮制动盘罩的表面设置有车轮太阳能板；



**1. (WO2012167518) VEÍCULO HÍBRIDO SOLAR**[PCT Biblio. Dados](#)[Descrição](#)[reivindicações](#)[Fase Nacional](#)[Avisos](#)[desenhos](#)[documentos](#)

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veículos híbridos solares

#### CAMPO TÉCNICO

A presente invenção refere-se a um veículo híbrido solar, que pertence ao campo técnico de novos veículos de energia.

#### ANTECEDENTES

Com o rápido desenvolvimento da economia nacional, mais e mais famílias foram ou em breve ter um carro. No entanto, os preços do petróleo bruto internacionais crescentes escassez de energia é uma chamada de despertar. Carros populares famílias chinesas obriga-nos a conseguir avanços substanciais nos novos veículos de energia.

Actualmente, muitos institutos de pesquisa nacionais e estrangeiros, as empresas estão trabalhando em veículos de energia nova. Entre eles, os carros híbridos são os veículos de energia nova existentes mais próximos produto maduro. Os carros híbridos podem exceder o desempenho de veículos movidos a combustíveis convencionais, mas a sua capacidade da bateria tornou-se um gargalo que afeta o seu desenvolvimento, por isso não pode substituir completamente veículos de combustível.

Na pesquisa e desenvolvimento de carros solares, as pessoas têm feito grandes progressos. Estudos recentes sobre a conversão de tecnologia de colector solar, mas também melhorar a absorção e utilização de energia solar. carro solar corpo vidro solar efetivamente absorver grande medida afetou o desempenho global da utilização de automóveis. Por esta razão, as pessoas tentam usar o carro solar pode queimar as células de vidro e película fina revestidos curva de baixa emissividade solares para aumentar a eficiência de absorção da energia solar, e tem conseguido alguns resultados.

Portanto, o uso de tecnologia atualizada proporciona uma melhor economia de mercado de veículo híbrido de energia solar.

#### Sumário

O problema técnico a ser resolvido é o de ultrapassar as deficiências da técnica anterior e proporcionar um veículo híbrido solar.

Sort by: Pub Date Desc View All List Length 10 Machine translation

Int.Class	Appl.No	Title
1. 112013012591	uma máquina e sistema para aplicar carregadores de rec	
B65B 17	112013012591	BRITISH POLYTH
abstract not available		
2. 112013012629	poliuretano com terminação hidroxila etilicamente insaturado, composição curável por radiação, co	
revestimento, tinta ou verniz, e, artigo		
C08F 283	112013012629	Cytec Surface Specialties, S.A

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Abstract for 112013012629: poliuretano com terminação hidroxila etilicamente insaturado, composição curável por radiação, composição de revestime  
 invenção se refere a um poliuretano com terminação hidroxila etilicamente insaturado (i), obtido por reação de (i) pelo me  
 insaturado (a) contendo pelo menos dois grupos reativos capazes de reagir com grupos isocianatos e pelo menos um grupo  
 menos um componente de álcool saturado (b), compreendendo: (iia) pelo menos um composto hidroxilado saturado (b1) qu  
 de tornar o poliuretano dispersável em meio aquoso, quer diretamente ou após a reação pelo menos um composto (b2), que é selecionado a partir de polióis de  
 poliéster saturados (iib), pelo menos um composto (b3) que é selecionado a partir de polióis de poliéster saturados (b31) contendo o composto (b1) e/ou radicais  
 saturados de polióis de policarbonato (b32) contendo as porções de composto (b1), e, opcionalmente, um ou mais dos compostos de (b1) e/ou (b2) e (iii)  
 opcionalmente, pelo menos um composto etilicamente insaturado (c), contendo, essencialmente, um grupo reativo capaz de reagir com grupos isocianato, com (iv)  
 pelo menos um poli-isocianato (d) selecionado de entre um di-isocianato de tetrametilxeno. a presente invenção também diz respeito a dispersões em água

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Int.Class	Appl.No	Title	Applicant
1. 112013012591	A machine and system for applying container carriers to containers		
B65B 17	112013012591	BRITISH POLYTHENE LIMITED	
Abstract not available			
2. 112013012629	An ethylenically unsaturated hydroxyl terminated polyurethane, radiation curable composition, coating composition, paint or varnish, and article	BR	06.09.2016
C08F 283	112013012629	Cytec Surface Specialties, S.A	Jean Yves Salviato

Abstract for 112013012629: An ethylenically unsaturated hydroxyl terminated polyurethane, radiation curable composition, coating composition, paint or varnish, and article. The present invention relates to an ethylenically unsaturated hydroxyl terminated polyurethane (i), obtained by reacting at least one ethylenically unsaturated compound (a) containing at least two reactive groups capable of reacting with isocyanate groups and at least one ethylenically unsaturated group (ii) at least one saturated alcohol component (b) comprising: at least one saturated hydroxylated compound (b1) which contains hydrophilic groups capable of rendering the polyurethane dispersible in aqueous medium either directly or after the reaction at least one compound (b2), which is selected from saturated polyester polyols (iib) . At least one compound (b3) that is selected from saturated polyester polyols (b31) containing the compound (b1) and/or saturated residues of polycarbonate polyols (b32) containing the compound moieties (b1), and optionally one or more of the compounds of (b1) and/or (b2) and (iii) optionally, at least one ethylenically unsaturated compound (c) containing essentially a reactive group capable of reacting with isocyanate groups . With (iv) at least one poly-isocyanate (d) selected from a tetramethylene di-isocyanate. The present invention also relates to water dispersions containing the same, for their production and uses.

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OF:PT

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Analysis

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Countries		Main IPC		Main Inventor		Main Applicant		Pub Date	
Name	No	Name	No	Name	No	Name	No	Date	No
Portugal	110300	A61K	31796	WOBLEN ALOYS	111	HOECHST AG	1040	2007	5454
		A61P	23527	LORENZ GISELA	77	BAYER AG	934	2008	4657
		C07D	18318	STRATHMANN SIEGFRIED	71	PFIZER	918	2009	4069
		C07C	6808	KO WOO SUK	69	NOVARTIS AG	890	2010	4013
		C07K	6793	AMMERMANN EBERHARD	67	LILLY CO ELI	805	2011	4025

Sort by: Pub Date Desc View All List Length 10 Machine translation

Int.Class	Appl.No	Title	Applicant	Ctr	PubDate
1.	<b>108129</b>	<b>MÉTODO E SISTEMA DE TRANSFERÊNCIA ELETRÔNICA DE FUNDOS USANDO IDENTIFICADORES DE CHAMADA VIRTUAIS.</b>		PT	30.06.2016
G06Q 20/00	<input checked="" type="radio"/> 10812914	FRANCISCO FERRUGENTO GONÇALVES CARDIGOS DOS REIS	FRANCISCO FERRUGENTO GONÇALVES CARDIGOS DOS REIS		
A PRESENTE INVENÇÃO DIZ RESPEITO A UM MÉTODO DE EFETUAR PAGAMENTOS ELETRÔNICOS E TRANSFERÊNCIAS ELETRÔNICAS DE FUNDOS UTILIZANDO UM TAL COMO UM TELEMÓVEL, BEM COMO DISPOSITIVO MÓVEL DE COMUNICAÇÃO, UM SISTEMA QUE IMPLEMENTA ESSE MÉTODO. MÉTODO E SISTEMA FUNCIONAM ATRAVÉS DA REALIZAÇÃO DE UMA PRIMEIRA CHAMADA PELO PRIMEIRO PELO MENOS EM SUJEITO A PARTIR DE UM TELEMÓVEL PARA UM NÚMERO QUE. PARTE, INCLUI UM CÓDIGO ASSOCIADO A UM SEGUNDO UTILIZADOR DO ESSA CHAMADA É RECEBIDA POR UM SERVIDOR QUE IDENTIFICA O SISTEMA. O SERVIDOR REMOTO DESLIGA NÚMERO DO TELEMÓVEL E O NÚMERO MARCADO. FOI ATENDIDA E FAZ UMA CHAMADA PARA O SEGUNDO A CHAMADA QUE NUNCA UTILIZADOR COLOCANDO UM IDENTIFICADOR DE CHAMADA VIRTUAL QUE ESTE FAZ CHEGAR AO PRIMEIRO UTILIZADOR. O PRIMEIRO UTILIZADOR FAZ ENTÃO UMA SEGUNDA CHAMADA PARA ESSE NÚMERO DE IDENTIFICADOR DE CHAMADA VIRTUAL E O SERVIDOR, AO RECEBER ESTA SEGUNDA CHAMADA, EFETUA A TRANSFERÊNCIA DE FUNDOS.					
2.	<b>108121</b>	<b>TRAVÃO AUTOMÁTICO PARA SKATES E LONGBOARDS E O SEU MÉTODO DE FUNCIONAMENTO</b>		PT	30.06.2016
A63C 17/14	<input checked="" type="radio"/> 10812114	INST SUPERIOR TÉCNICO	RICARDO MIGUEL MENDES CAUTELA		
A PRESENTE INVENÇÃO REFERE-SE A UM TRAVÃO AUTOMÁTICO INCORPORADO EM SKATES (PRANCHA ASSENTE EM DOIS EIXOS COM DUAS RODAS CADA) MAS PRINCIPALMENTE EM LONGBOARDS (PRANCHA ASSENTE EM DOIS EIXOS COM DUAS RODAS CADA, COM DIMENSÕES SUPERIORES A UM SKATE), QUE É ACIONADO COM O PESO DO UTILIZADOR. O TRAVÃO LOCALIZA-SE NO TRUCK (1) (EIXO COM RODAS LIGADO À PRANCHA DE UM SKATE OU DE UMA					

# Search Interface: Applicant search

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AND	WIPO Publication Number	=	
AND	Application Number	=	
AND	Publication Date	=	
AND	English Title	=	
AND	English Abstract	=	
AND	Applicant Name	=	Novartis
AND	International Class	=	
AND	Inventor Name	=	
AND	Office Code	=	PT
AND	English Description	=	
AND	English Claims	=	
AND	Licensing availability	=	<input type="checkbox"/>
AND	Inventor Name	Is Empty:	<input checked="" type="radio"/> N/A <input type="radio"/> Yes <input type="radio"/> No

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**1049** results

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Results 1-10 of 1,049 for Criteria: PA:Novartis AND OF:PT Office(s):all Language:EN Stemming: true

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Refine Search PA:Novartis AND OF:PT

Analysis

Options Table Graph Options bar pie Line

Countries		Main IPC		Main Inventor		Main Applicant		Pub Date	
Name	No	Name	No	Name	No	Name	No	Date	No
Portugal	1049	A61K	838	PIZZA MARIAGRAZIA	26	NOVARTIS AG	890	2007	78
		A61P	665	BOLD GUIDO	22	NOVARTIS VACCINES & DIAGNOSTIC	119	2008	84
		C07D	419	STUTZ STEFAN	18	NOVARTIS PHARMA GMBH	112	2009	94
		C07K	160	HEROLD PETER	17	NOVARTIS INT PHARM LTD	14	2010	107
		C12N	127	MAH ROBERT	16	NOVARTIS ERFINDE VERWALT GMBH	13	2011	94

Int.Class	Publ. Appl.No	Applicant	Publ. Inventor
1. 2501379 COMBINATION			PT 09.06.2016
A61K 31/037	10032000	NOVARTIS AG	TONA SILMER
2. 2377519 PHARMACEUTICAL COMPOSITION COMPRISING OCTREOTIDE MICROPARTICLES			PT 09.06.2016
A61K 9/00	11173962	NOVARTIS AG	JEAN-DANIEL BONNY
3. 2663561 NOVEL HETEROCYCLIC DERIVATIVES AND THEIR USE IN THE TREATMENT OF NEUROLOGICAL DISORDERS			PT 07.06.2016
C07D 413/14	12700390	NOVARTIS AG	KONSTANZE HURTH
4. 2609075 PROCESS FOR THE PREPARATION OF INTERMEDIATES FOR THE MANUFACTURE OF NEP INHIBITORS			PT 03.06.2016
C07C 220/00	11750100	NOVARTIS AG	DANIEL HOOK



Machine translation

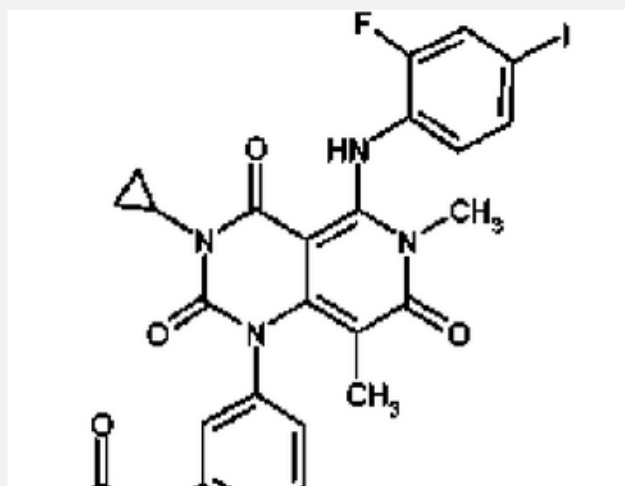
**1. (PT2501379) COMBINATION**
[National Biblio. Data](#)
[Description](#)
[Claims](#)
[Drawings](#)
[Documents](#)

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**REIVINDICAÇÕES**

1. Associação compreendendo:

(i) N-{3-[3-ciclopropil-5-(2-fluoro-4-iodo-fenilamino)-6,8-dimetil-2,4,7-trioxo-3,4,6,7-tetra-hidro-2H-pirido[4,3-d]pirimidin-1-il]-fenil}; composto de estrutura (I):





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Polymers which can be used in p-type materials for organic electronic devices and photovoltaic cells. Compounds, monomers, dimers, trimers, and polymers comprising formula (I) and/or formula (VIII) are prepared

Language pair:

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- English->French
- French->English
- English->German
- German->English
- Japanese->English
- English->Japanese
- English->Chinese
- Chinese->English
- English->Korean (Beta)
- Korean->English (Beta)
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- English->Russian
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- AGRI-Agriculture, Fisheries & Forestry
- AUDV-Audio, Audiovisual, Image & Video Tech
- AUTO-Automotive & Road Vehicle Engineering
- BLDG-Civil Engineering & Building Construction
- CHEM-Chemical & Materials Technology
- DATA-Computer Sci, Telecom & Broadcasting
- ELEC-Electrical Engineering & Electronics
- ENGY-Energy, Fuels & Heat Transfer Eng
- ENVR-Environmental & Safety Engineering
- FOOD-Foods & Food Technology
- GENR-Generalities, Language, Media & Info Sci
- HOME-Home Contents & Household Maintenance
- HORO-Precision Mechanics, Jewelry & Horology
- MANU-Manufacturing & Materials Handling Tech
- MAR-Marine Engineering
- MEAS-Standards, Units, Metrology & Testing
- MECH-Mechanical Engineering

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Source text:

/ 一种页岩气作业方法、包括如下步骤：a、钻井；b、压裂；c、导出页岩气；d 将能够供给页岩气的井所输出的全部页岩气，或至少部分页岩气供给燃气发电机进行发电，并将所发出的电能输出至页岩气作业所使用的设备，或至少部分页岩气作业所使用的设备中改变了现有技术中、开采全程均用柴油发电机，或外界工业用电的方式进行供电的方式、实现“以气打气，气电结合”的方式、降低施工成本。 /

Language pair:

Chinese-&gt;English

Domain:

MECH-Mechanical Engineering

Translate

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一种页岩气作业方法、包括如下步骤：a、钻井；b、压裂；c、导出页岩气；d 将能够供给页岩气的井所输出的全部页岩气，或至少部分页岩气供给燃气发电机进行发电，并将所发出的电能输出至页岩气作业所使用的设备，或至少部分页岩气作业所使用的设备中改变了现有技术中、开采全程均用柴油发电机，或外界工业用电的方式进行供电的方式、实现“以气打气，气电结合”的方式、降低施工成本。 /

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or at least partially shale gas operation of changing the equipment in the prior art, exploitation whole process are all made of diesel generator

Ok

or at least partially shale gas operation of changing the equipment in the prior art, exploitation whole process are all made of diesel generator

or at least partially shale gas operation of changing the equipment in the prior art, exploitation whole **course by** diesel generator

or at least partially shale gas operation of changing the equipment in the prior art, exploitation whole process **by** diesel generator

or at least partially shale gas operation of changing the equipment in the prior art, exploitation whole process of diesel generator

or at least partially shale gas operation of changing the equipment in the prior art, exploitation whole **course** are all made of diesel generator

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1. (WO2015127603) INTERFACE MANAGEMENT SERVICE ENTITY, FUNCTIONAL METHOD

PCT Biblio. Data Description Claims National Phase Notices Drawings

Note: Text based on automatic Optical Character Recognition processes. Please refer to the original document for the full text.

一种接口管理服务实体、功能服务实体及网元管理方法

技术领域

本发明涉及通信技术领域，尤其涉及一种接口管理服务实体、功能服务实体及网元管理方法。

背景技术

随着通信技术的飞速发展，无线通信技术以其传输信息方便快捷，以及成本低廉的优势，得到了广泛的应用。在无线通信系统包括单制式网络和异构网络。

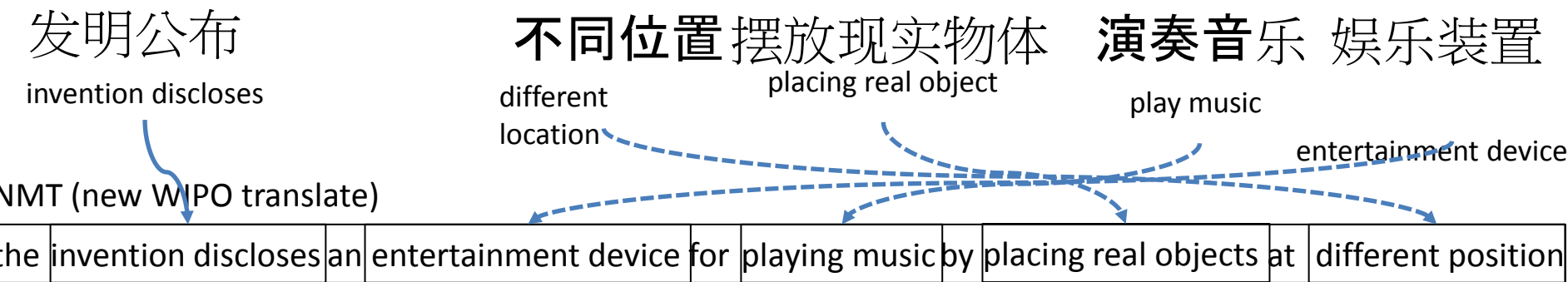
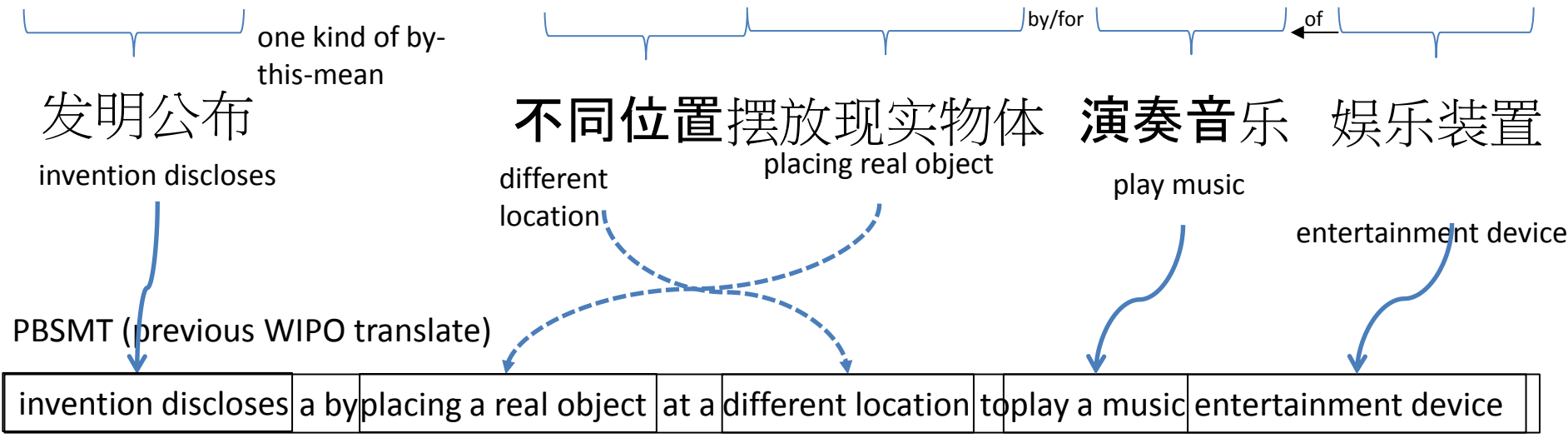
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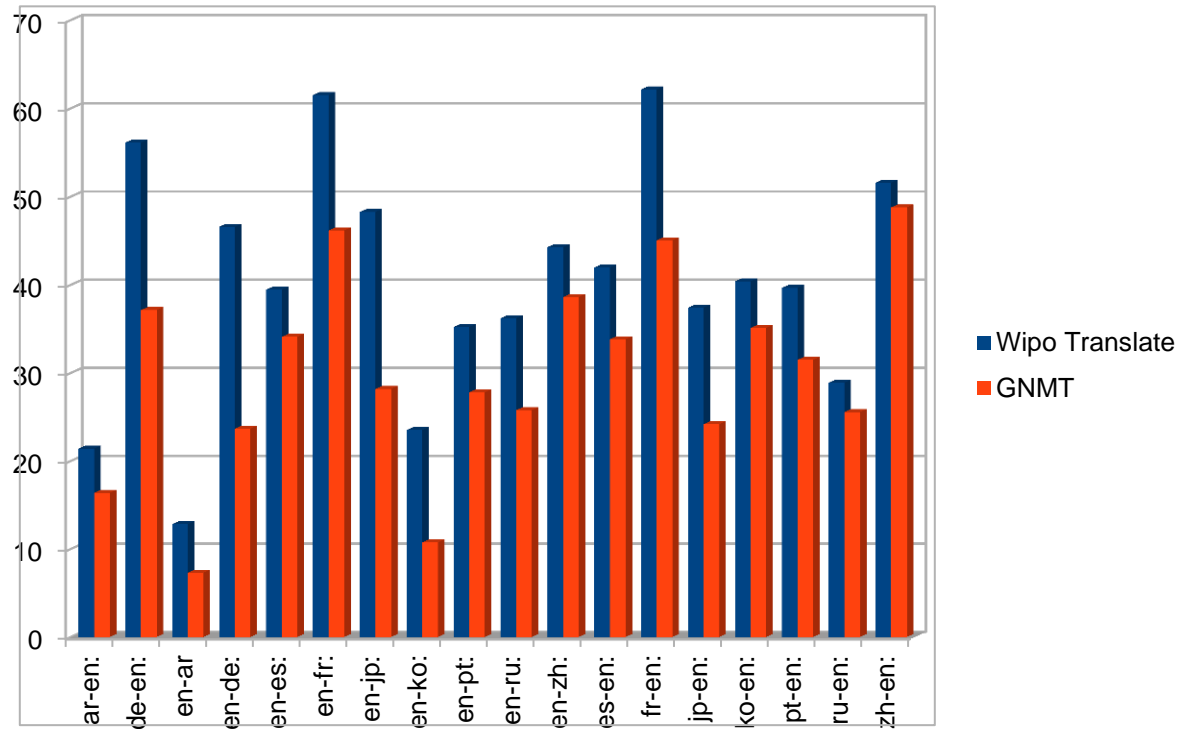
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PCT	20.10.1978 - 12.04.2013	20.10.1978 - 12.04.2013	2220787	Total records: 2216178 English: 1429940 French: 86888 Spanish: 15550 German: 270470	2220787	

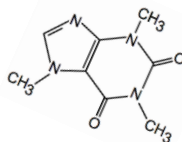
 World Intellectual Property Or... (CH) [https://patentscope.wipo.int/search/en/help/data\\_coverage.jsf](https://patentscope.wipo.int/search/en/help/data_coverage.jsf)

Argentina	12.02.1965 - 27.12.2012	01.11.1990 - 27.12.2012			133023	
Brazil	26.04.1972 - 13.03.2013	26.04.1989 - 13.03.2013	207770	Total records: 206716 Portuguese: 206716	532672	
Chile	08.01.2005 - 25.10.2008	08.01.2005 - 24.05.2008			3826	
Colombia	14.02.1995 - 21.12.2010	14.02.1995 - 21.12.2010	401	Total records: 390 Spanish: 390	12028	
Costa Rica	03.10.0108 - 01.02.2013	03.10.0108 - 01.02.2013			6910	
Cuba	13.03.1968 - 16.03.2012	13.03.1968 - 16.03.2012	1821	Total records: 1747 Spanish: 1747	2797	
Dominican Rep.	01.11.2001 - 16.09.2012	01.11.2001 - 16.09.2012	1590	Total records: 1390 Spanish: 1390	2361	
Ecuador	02.10.1990 - 29.08.2009	02.10.1990 - 29.08.2009			2858	
El Salvador	11.03.1970 - 21.01.2012	11.03.1970 - 21.01.2012			1577	
Guatemala	22.03.1434 - 14.04.2011	22.03.1434 - 14.04.2011			5949	
Honduras	14.01.2005 - 23.07.2010	28.01.2005 - 23.07.2010			286	
Israel	02.01.1900 - 01.03.2013	17.07.2000 - 01.02.2013	103050	Total records: 90838 English: 90838	170455	
Japan	09.01.1993 - 08.02.2013	09.01.1993 - 08.02.2013		Total records: 7054474 Japanese: 7054474	7754518	
Jordan	31.12.1899 - 02.11.2011	31.12.1899 - 02.11.2011			1731	
Kenya	12.05.1996 - 01.02.2011	12.05.1996 - 01.02.2011			373	
Mexico	02.12.1991 - 13.09.2011	02.12.1991 - 13.09.2011	142338	Total records: 138592 Spanish: 138592	216229	
Morocco	07.07.1977 - 02.03.2012	02.04.1999 - 02.03.2012	9045	Total records: 8741 French: 8741	13630	
Nicaragua	06.11.2003 - 25.03.2009	06.11.2003 - 25.03.2009			197	
Panama	10.03.1990 - 28.07.2010	10.03.1990 - 28.07.2010			2312	
Peru	22.02.1989 - 01.05.2011	22.02.1989 - 01.05.2011			6415	
Republic of Korea	24.10.1973 - 21.09.2012	24.10.1973 - 21.09.2012			1739058	
Russian Federation	16.02.1993 - 28.12.2010	16.02.1993 - 28.12.2010		Total records: 464597 Russian: 464597	488061	
Russian Federation (USSR data)	01.03.1919 - 28.12.2010	01.12.1960 - 11.12.2008	1369053		1407985	
Singapore	29.11.1995 - 29.06.2012	30.04.2011 - 29.06.2012			88507	

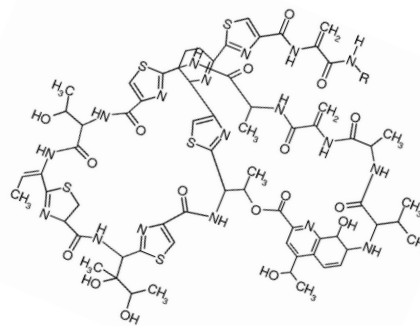
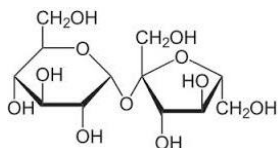
# Search chemical compounds



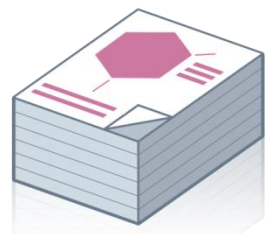
Principle:



- Standardize all the different representations of chemical structures into Inchikeys
- Recognize chemical compounds in patent texts and from embedded drawings included in patent texts
- Implement search functions for Inchikeys that can be used by non chemists

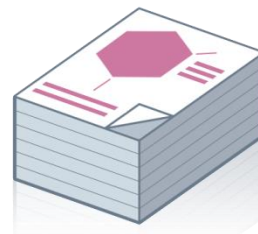






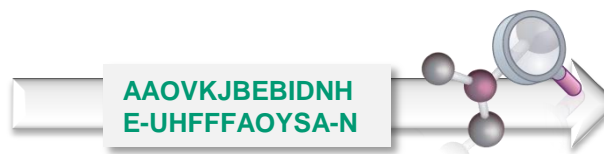
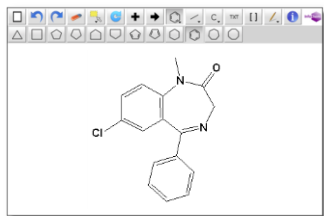
**PATENTSCOPE Documents**

(...) At the moment the surgical procedure starts, benzodiazepin, e.g. diazepam, is administered in a dose of no more than 5 mg. (...)



**Enriched PATENTSCOPE Documents**

(...) At the moment the surgical procedure starts, benzodiazepin, e.g. @AAOVKJBEBIDNH-UHFFFAOYSA-N@, is administered in a dose of no more than 5 mg. (...)



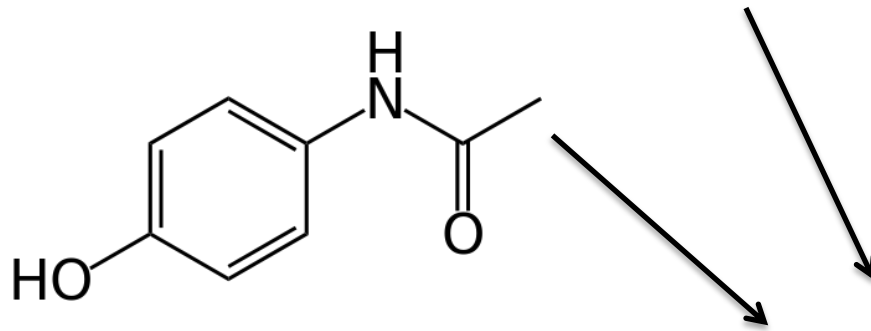
**AAOVKJBEBIDNH  
E-UHFFFAOYSA-N**



# Standardization

IUPAC name

N-(4-hydroxyphenyl)acetamide



INN

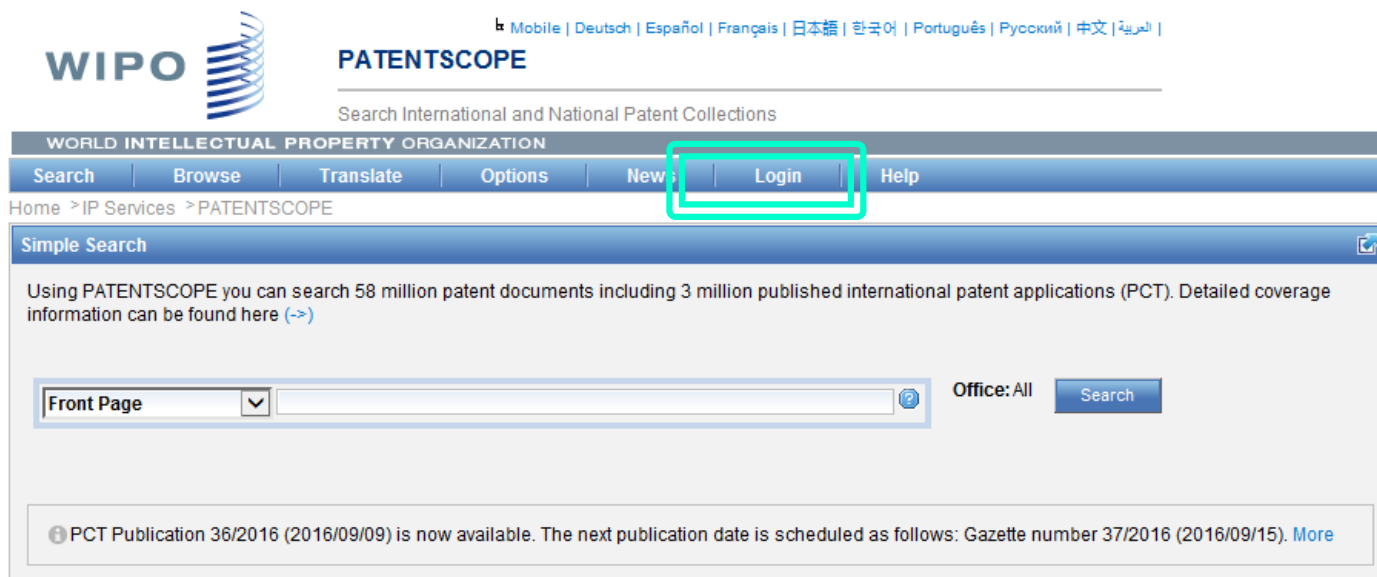
paracetamol


Other names

Acetaminophen, panadol, tylenol, ...

RZVAJINKPMORJF-UHFFFAOYSA-N

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# Example 1: Theobromine

- Its chemical formula is  $C_7H_8N_4O_2$  and IUPAC name: 3,7-dimethyl-1*H*-purine-2,6-dione
- Theobromine is found in the seeds of the plant *Theobroma Cacao*, which is the well-known source of chocolate and cocoa. It has a bitter flavor, which gives dark chocolate its typical bitter taste.



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Compound name



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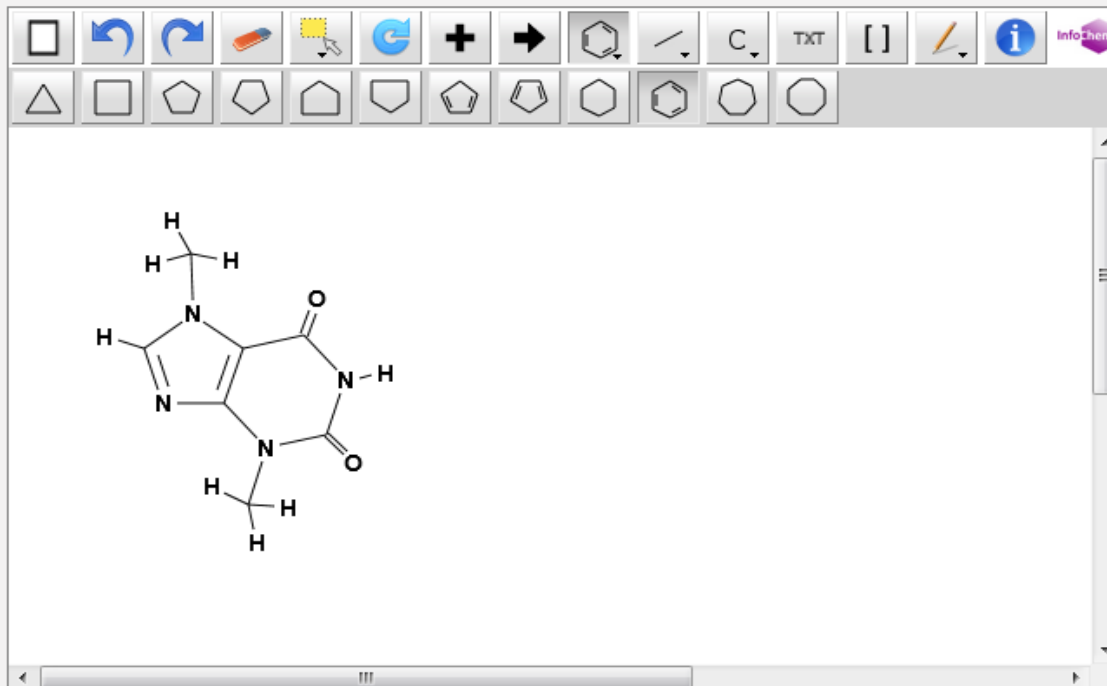
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InChI: InChI=1S/C7H8N4O2/c1-10-3-8-5-4(10)6(12)9-7(13)11(5)2/h3H,1-2H3,(H,9,12,13)  
InChIKey: YAPQBXQYLJRXSA-UHFFFAOYSA-N  
Molecular Formula: C<sub>7</sub>H<sub>8</sub>N<sub>4</sub>O<sub>2</sub>  
Molecular Weight: 180.167 g/mol

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Refine Search

CHEM:(YAPQBXQYLJRXSA-UHFFFAOYSA-N)

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## Analysis

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Machine translation

Int.Class	Appl.No	Title	Applicant	Ctr	PubDate
1. WO/2016/141458		<b>BISPHENOL ETHER DERIVATIVES AND METHODS FOR USING THE SAME</b>		WO	15.09.2016
C07C 69/21	PCT/CA2016/000070		BRITISH COLUMBIA CANCER AGENCY BRANCH		ANDERSEN, Raymond John
Compounds having a structure of Formula I, or a pharmaceutically acceptable salt, tautomer or stereoisomer thereof, wherein R1, R2, L1, L2, L3, X, a, b, c, n, and m are as defined herein, are provided. Uses of such compounds for modulating androgen receptor activity and uses as therapeutics as well as methods for treatment of subjects in need thereof, including prostate cancer are also provided.					
2. WO/2016/142250		<b>BENZAZEPINE DICARBOXAMIDE COMPOUNDS</b>		WO	15.09.2016
C07D 403/12	PCT/EP2016/054487		F. HOFFMANN-LA ROCHE AG		HOVES, Sabine
This invention relates to novel benzazepine dicarboxamide compounds of the formula (I), wherein R1 to R4 are as defined in the description and in the claims, as well as pharmaceutically acceptable salts thereof. These compounds are TLR agonists and may therefore be useful as medicaments for the treatment of diseases such as cancer, autoimmune diseases, inflammation, sepsis, allergy, asthma, graft rejection, graft-versus-host disease, immunodeficiencies, and infectious diseases.					
3. WO/2016/142310		<b>TRICYCLIC DLK INHIBITORS AND USES THEREOF</b>		WO	15.09.2016
C07D 491/14	PCT/EP2016/054725		F. HOFFMANN-LA ROCHE AG		ESTRADA, Anthony
The invention relates to compounds of formula (I) and salts thereof, wherein ring A and R1-R2 have any of the values defined in the specification. The compounds and salts are useful for treating DLK mediated disorders. The invention also provides pharmaceutical compositions comprising a compound of formula (I), or a pharmaceutically acceptable salt thereof, as well as methods of using said compounds, salts, or compositions as DLK inhibitors and for treating neurodegeneration diseases and disorders.					

## 1. (WO2016141458) BISPHENOL ETHER DERIVATIVES AND METHODS FOR USING THE SAME


PCT Biblio. Data Description Claims National Phase Notices **Compounds** Drawings Documents

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**Pub. No.:** WO/2016/141458 **International Application No.:** PCT/CA2016/000070

**Publication Date:** 15.09.2016 **International Filing Date:** 11.03.2016

**IPC:** C07C 69/21 (2006.01), A61K 31/05 (2006.01), A61P 35/00 (2006.01), C07C 43/23 (2006.01), C07F 9/40 (2006.01) 

**Applicants:** BRITISH COLUMBIA CANCER AGENCY BRANCH [CA/CA]; 600 West 10th Avenue Vancouver, British Columbia V5Z 4E6 (CA).  
THE UNIVERSITY OF BRITISH COLUMBIA [CA/CA]; University-Industry Liaison Office #103-6190 Agronomy Road Vancouver, British Columbia V6T 1Z6 (CA)

**Inventors:** ANDERSEN, Raymond John; (CA).

JIAN, Kunzhong; (CA).

SADAR, Marianne Dorothy; (CA).

MAWJI, Nasrin R.; (CA).

BANUELOS, Carmen Adriana; (CA)

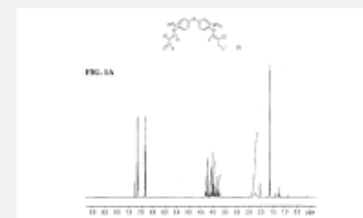
**Agent:** DEETH WILLIAMS WALL LLP; 150 York Street, Suite 400 Toronto, Ontario M5H 3S5 (CA)

**Priority Data:** 62/131,969 12.03.2015 US

**Title**  
(EN) BISPHENOL ETHER DERIVATIVES AND METHODS FOR USING THE SAME  
(FR) DÉRIVÉS D'ÉTHÉR DE BISPHÉNOL ET LEURS PROCÉDÉS D'UTILISATION

**Abstract:** (EN)Compounds having a structure of Formula I, or a pharmaceutically acceptable salt, tautomer or stereoisomer thereof, wherein R<sup>1</sup>, R<sup>2</sup>, L<sup>1</sup>, L<sup>2</sup>, L<sup>3</sup>, X, a, b, c, n, and m are as defined herein, are provided. Uses of such compounds for modulating androgen receptor activity and uses as therapeutics as well as methods for treatment of subjects in need thereof, including prostate cancer are also provided.

(FR)Cette invention concerne des composés ayant une structure de formule I : ou un sel, un tautomère ou un stéréoisomère pharmaceutiquement acceptable de ceux-ci, où R<sup>1</sup>, R<sup>2</sup>, L<sup>1</sup>, L<sup>2</sup>, L<sup>3</sup>, X, a, b, c, n et m étant tels que définis dans la présente. L'invention concerne également les utilisations de ces composés pour moduler l'activité du récepteur des androgènes et leurs utilisations comme substances thérapeutiques, ainsi que des méthodes destinées à traiter des sujets en ayant besoin, dont des sujets atteints de cancer de la prostate.

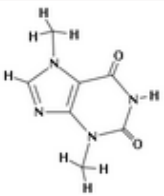
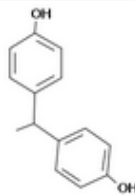
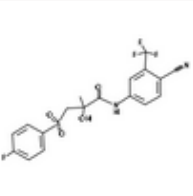
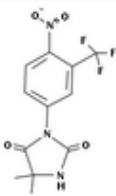
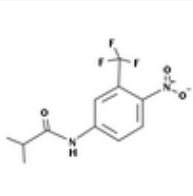
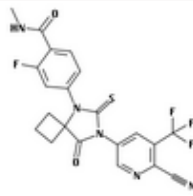
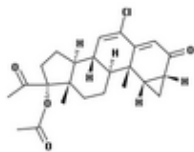





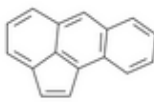
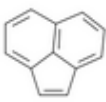
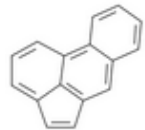
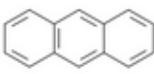
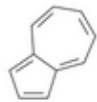
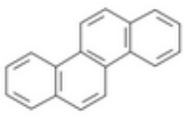
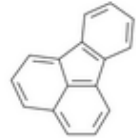


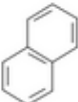
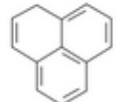
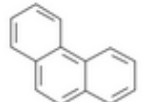


**Designated States:** AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.  
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1. (WO2016141458) BISPHENOL ETHER DERIVATIVES AND METHODS FOR USING THE SAME

PCT Biblio. Data Description Claims National Phase Notices **Compounds** Drawings Documents

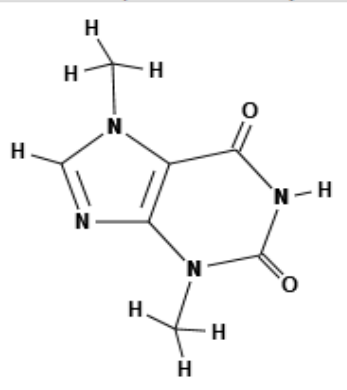
Title Abstract **Description** Claims

					
<b>Theobromine</b>		<b>Bicalutamide</b>	<b>Nilutamide</b>	<b>Flutamide</b>	
					
					
					

« « « « 1 2 3 4 5 6 7 8 9 » » » » » »

Compounds as described herein may be in the free form or in the form of a salt thereof. In some embodiments, compounds as described herein may be in the form of a pharmaceutically acceptable salt, which are known in the art (Berge et al., J. Pharm. Sci. 1977, 66, 1). Pharmaceutically acceptable salt as used herein includes, for example, salts that have the desired pharmacological activity of the parent compound (salts which retain the biological effectiveness and/or properties of the parent compound and which are not biologically and/or otherwise undesirable). Compounds as described herein having one or more functional groups capable of forming a salt may be, for example, formed as a pharmaceutically acceptable salt. Compounds containing one or more basic functional groups may be capable of forming a pharmaceutically acceptable salt. Pharmaceutically acceptable salts may be derived from benzoic acid, benzenesulfonic acid, butyric acid, cinnamic acid, digluconic acid, dodecylsulfonic acid, ethanesulfonic acid, hemisulfonic acid, heptanoic acid, hexanoic acid, hydrochloric acid, malic acid, maleic acid, malonic acid, mandelic acid, nicotinic acid, nitric acid, oxalic acid, pantoic acid, pectinic acid, pyruvic acid, salicylic acid, succinic acid, sulfuric acid, and other acids. Other functional groups may be capable of forming pharmaceutically acceptable salts with inorganic bases based on alkaline metals or alkaline earth metals, or with organic bases based on primary amine compounds, quaternary amine compounds, substituted amine compounds, and other bases. Pharmaceutically acceptable salts may be derived from an acceptable metal cation such as ammonium, sodium, potassium, lithium, calcium, magnesium, iron, zinc, and other metals.

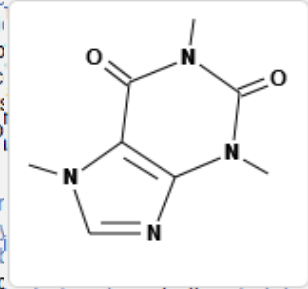
Pharmaceutically acceptable salts may be derived from benzoic acid, benzenesulfonic acid, butyric acid, cinnamic acid, digluconic acid, dodecylsulfonic acid, ethanesulfonic acid, hemisulfonic acid, heptanoic acid, hexanoic acid, hydrochloric acid, malic acid, maleic acid, malonic acid, mandelic acid, nicotinic acid, nitric acid, oxalic acid, pantoic acid, pectinic acid, pyruvic acid, salicylic acid, succinic acid, sulfuric acid, and other acids. Other functional groups may be capable of forming pharmaceutically acceptable salts with inorganic bases based on alkaline metals or alkaline earth metals, or with organic bases based on primary amine compounds, quaternary amine compounds, substituted amine compounds, and other bases. Pharmaceutically acceptable salts may be derived from an acceptable metal cation such as ammonium, sodium, potassium, lithium, calcium, magnesium, iron, zinc, and other metals.



Theobromine

sodium, potassium, lithium, calcium, magnesium, iron, zinc, and other metals. Pharmaceutically acceptable salts may be derived from ammonium, sodium, potassium, lithium, calcium, magnesium, iron, zinc, and other metals. Pharmaceutically acceptable salts may be derived from ammonium, sodium, potassium, lithium, calcium, magnesium, iron, zinc, and other metals.

pharmaceutically acceptable organic or inorganic acid. Pharmaceutically acceptable organic or inorganic acid includes, for example, acetic acid, adipic acid, alginic acid, aspartic acid, ascorbic acid, camphorsulfonic acid, cyclopentanepropionic acid, diethylacetic acid, heptanoic acid, gluconic acid, glycerophosphoric acid, glycolic acid, iodic acid, 2-hydroxyethanesulfonic acid, isomotic acid, lactic acid, sulfuric acid, naphthalenedisulfonic acid, p-toluenesulfonic acid, phosphoric acid, picric acid, salicylic acid, succinic acid, sulfuric acid, and other acids. Other functional groups may be capable of forming pharmaceutically acceptable salts with inorganic bases based on alkaline metals or alkaline earth metals, or with organic bases based on primary amine compounds, quaternary amine compounds, substituted amine compounds, and other bases. Pharmaceutically acceptable salts may be derived from an acceptable metal cation such as ammonium, sodium, potassium, lithium, calcium, magnesium, iron, zinc, and other metals.



num, ammonia, berberine, propylamine, tributylamine, caffeine, hydralazine, procaine, N-ethylpiperazine, choline, betaine, morpholine, ethylpiperidine, theobromine

In some embodiments, compounds and all different forms thereof (e.g. free forms, salts, polymorphs, isomeric forms) as described herein may be in the solvent addition form, for example, solvates. Solvates contain either stoichiometric or non-stoichiometric amounts of a solvent in physical association with the compound or salt thereof. The solvent may be, for example, and without limitation, a pharmaceutically acceptable solvent. For example, hydrates are formed when the solvent is water or alcoholates are formed when the solvent is an alcohol.

In some embodiments, compounds and all different forms thereof (e.g. free forms, salts, solvates, isomeric forms) as described herein may include crystalline and amorphous forms, for example, polymorphs, pseudopolymorphs, conformational polymorphs, amorphous forms, or a combination thereof. Polymorphs include different crystal packing arrangements of the same elemental composition of a compound. Polymorphs usually have different X-ray diffraction patterns, infrared spectra, melting points, density, hardness, crystal shape, optical and electrical properties, stability and/or solubility. Those skilled in the art will appreciate that various factors including recrystallization solvent, rate of crystallization and storage temperature may cause a single crystal form to dominate.

In some embodiments, compounds and all different forms thereof (e.g. free forms, salts, solvates, polymorphs) as described herein include isomers such as geometrical isomers, optical isomers based on asymmetric carbon, stereoisomers, tautomers, individual enantiomers, individual diastereomers, racemates, diastereomeric mixtures and combinations thereof, and are not limited by the description of the formula illustrated for the sake of convenience.

### III. Methods

The present compounds find use in any number of methods. For example, in some embodiments, the compounds can be useful in methods for modulating



# Combine chemical search criteria with other criteria



PATENTSCOPE

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Search International and National Patent Collections

WORLD INTELLECTUAL PROPERTY ORGANIZATION

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Home > IP Services > PATENTSCOPE

Results 1-10 of 9 for Criteria:(CTR:WO AND CHEM:(YAPQBXQYLJRXSA-UHFFFAOYSA-N)) AND EN\_AB:chocolate Office(s):wo Language:All Stemming: true

prev 1 next Page: 1 / 1 Go >

Refine Search (CTR:WO AND CHEM:(YAPQBXQYLJRXSA-UHFFFAOYSA-N)) AND EN\_AB:chocolate

Search

RSS



Analysis

Sort by: Pub Date Asc View All List Length 10 Machine translation

Title			Ctr	PubDate
Int.Class	Appl.No	Applicant	Inventor	
1. WO/2002/074321	COMPOSITION COMPRISING COCOA AND A DOPAMINE D2 RECEPTOR AGONIST		WO	26.09.2002
A23L 1/30	PCT/NL2002/000184	N.V. NUTRICIA	TER LAAK, Wies	
The invention pertains to a composition and a method for the treatment of mood disorders, in particular of treating, preventing or alleviating depression, mood disorders or insufficient mood, obesity, overweight, premenstrual syndrome, craving, carbohydrate craving, chocolate craving, menopausal complaints, erectile dysfunction and/or reduced libido. The composition contains cocoa or one or more of its pharmacologically active components, and a dopamine D2 receptor agonist.				
2. WO/2002/078746	NOVEL CHOCOLATE COMPOSITION AS DELIVERY SYSTEM FOR NUTRIENTS AND MEDICATIONS		WO	10.10.2002
A23G 1/00	PCT/US2002/009597	ALTAFFER, Paulo	HUGHES, Kerry	
A novel chocolate product for use in delivering medicaments and/or nutrients to animals, particularly humans, specially formulated so that the craving for such product by animals, particularly humans, is significantly greater than the craving for chocolate conventionally used in pharmaceutical compositions and the concentration, optimization, and the addition of endogenous and exogenous ingredients to increase such craving as well as to treat specific indications. The chocolate product contains: from about 0.5 to about 200 milligrams, more preferably from about 5 to about 20 milligrams, of one or more biogenic amines per 1 gram of the chocolate product; from about 10 to about 500 milligrams, more preferably from about 20 to about 200 milligrams, of one or more amino acids per 1 gram of the chocolate product; (C) from about 1 microgram to about 20 milligrams, more preferably from about 10 micrograms to about 10 milligrams, of one or more of: methyl tetrahydroisoquinoline, N-acylethanolamines, and/or anandamide and/or salsolinol per 1 gram of the chocolate product; (D) from about 0.2 to about 30 milligrams of at least one trace mineral per 1 gram of the chocolate product; and (E) from 0.6 to about 500 milligrams, more preferably from about 35 to about 100 milligrams, of one or more methylxanthine alkaloids per 1 gram of the chocolate product. The chocolate product used in this invention also preferably contains effective amounts of at least one chocolate aroma and at least one vanilla aroma.				

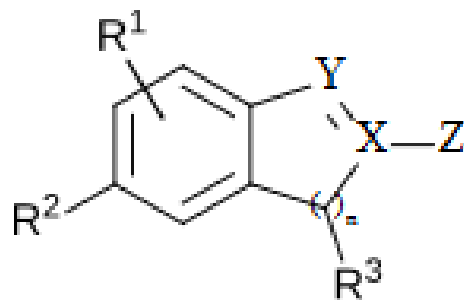
# International Non proprietary Names

WIKIPEDIA:

- INNs are official generic and non proprietary names given to a pharmaceutical drug or active ingredients issued by the World Health Organization (WHO).
- Growing need to be able to search INNs in patent texts
- PATENTSCOPE supports the search of 6917 INNs by Inchikey

# Scope

- Works on **developed complete exact formulas** ≠ Markush structures (-R) that are chemical symbols used to indicate a collection of chemicals with similar structures.



- Chemical elements, short names (less than 4 characters), common solvents and polymers are not annotated by design
- PCT and US national collections with IPC codes related to chemistry
- Languages: English and German

# Warning

Based on state of the art fully automated chemical recognition algorithms: the technology is NOT 100% accurate

- OCR errors in the available patent full texts make the recognition of chemical compound even more challenging
- => Use it as a discovery tool knowing that the results are not exhaustive, nor all exact (precision, recall)



# Monthly webinar

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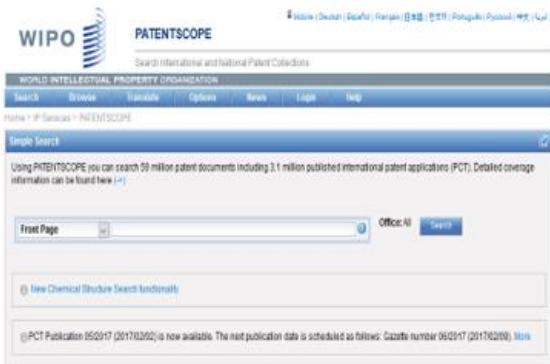
## PATENTSCOPE Webinars

Webinars are used by WIPO to deliver information, training and updates on the [PATENTSCOPE search system](#) to a remote audience using the Internet.

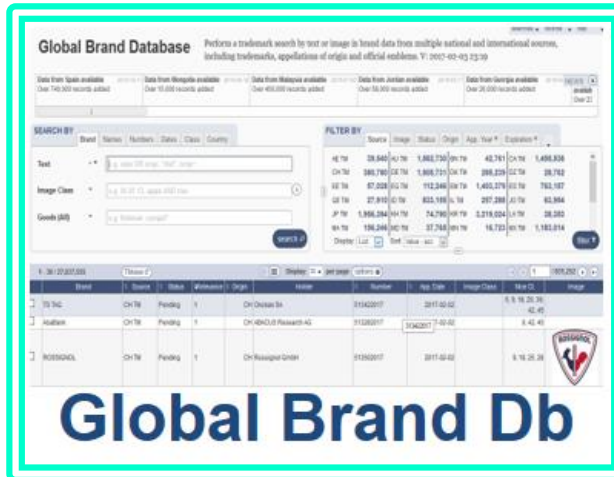
Please [contact us](#) if your firm, company or organization is interested in attending a webinar on a particular topic.

### Quick links

- [Frequently asked questions](#)



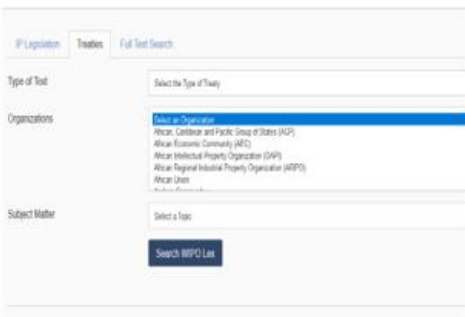
# PATENTSCOPE



# Global Brand Db



# Global Design Db



# WIPO Lex



# WIPO Pearl



# Re:Search



# WIPO Green

# GLOBAL BRAND DATABASE

- Over 25 million records relating to internationally-protected trademarks, etc.
- Goal is to include all brand-related information from all sources
- Currently searches across multiple collections, including:
  - Trademarks registered under Madrid System
  - Appellations of Origin registered under Lisbon System
  - Emblems protected under the Paris Convention 6ter
  - Algeria, Australia, Brunei, Canada, Cambodia, Denmark, Egypt, Estonia, Indonesia, Israel, Japan, Laos, Mexico, Morocco, New Zealand, Oman, Papua New Guinea, Philippines, Singapore, Switzerland, Tonga, UAE, US – with many more coming soon

# Global Brand Database

Perform a trademark search by text or image in brand data from multiple national and international sources, including trademarks, appellations of origin and official emblems.

<b>Data from Papua New Guinea available</b> 2016-02-16 Over 23,000 records added	<b>Reports with images</b> 2016-01-21 PDF and HTML reports now include embedded images	<b>Data from the Republic of Korea available</b> 2015-11-20 Over 3,000,000 records added	<b>Moldovan data available</b> 2015-11-10 Over 35,000 records added	<b>Germa NEWS</b> <span>✕</span> Over 1,800,000 records added
--	--	--	---	--

## SEARCH BY

Brand | Names | Numbers | Dates | Class | Country

**Text** =

**Image Class** =

**Goods (All)** ▾ =

**search** 🔍

## FILTER BY

Source | Image | Status | Origin | App. Date \* | Expiration \*

AE TM	39,540	AU TM	1,503,884	BN TM	38,002
CA TM	1,448,752	CH TM	367,508	DE TM	1,848,197
DK TM	282,649	DZ TM	26,187	EE TM	56,027
EG TM	75,567	EM TM	1,311,719	ID TM	755,527
IL TM	249,914	LA TM	37,031	JP TM	1,877,512
KH TM	69,078	KR TM	3,083,609	MA TM	135,386

Display: List ▾ Sort: Value - asc ▾ **filter** 🔍

1 - 30 / 25,047,218

TMview [🔗](#)

Display: 30 ▾ per page options ⚙️

1 / 834,908

	Brand	Source	Status	Score	Origin	Holder	Number	App. Date	Image Class	Nice Class	Image
<input type="checkbox"/>	Arrowsmith	NZ TM	Pending	1	NZ	ARROWSMITH BRANDS LIMITED	1040442	2016-04-04	VC.24.15, VC.26.03	45	
<input type="checkbox"/>	BOSS	NZ TM	Pending	1	NZ	AUTOGROW SYSTEMS LIMITED	1040452	2016-04-04		9	
<input type="checkbox"/>	Raw Blends	NZ TM	Pending	1	NZ	NEW ZEALAND'S PATCH LIMITED	1040455	2016-04-04		39	
<input type="checkbox"/>	ONL	NZ TM	Pending	1	NZ	OCEANIA NATURAL LIMITED	1040449	2016-04-04		3, 5, 30, 32	
<input type="checkbox"/>	No Verbal Elements	NZ TM	Pending	1	NZ	Yun-Yi Wang	1040453	2016-04-04		3	
<input type="checkbox"/>	RIDEFAR Extra Virgin Coconut Oil	NZ TM	Pending	1	NZ	RIDEFAR LIMITED	1040445	2016-04-04	VC.05.07	29	
<input type="checkbox"/>	Kiwiadviser	NZ TM	Pending	1	NZ	Yevgen Bidnyy	1040447	2016-04-04		45	

# Global Brand Database – Features

Single intuitive interface to search 30 data collections

Image Search by example

Interactive & dynamic search with immediate feedback

Fuzzy, phonetic and word-stem matches

Automatic term suggestion

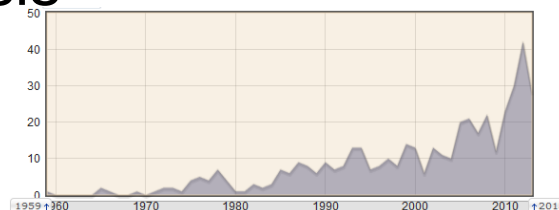
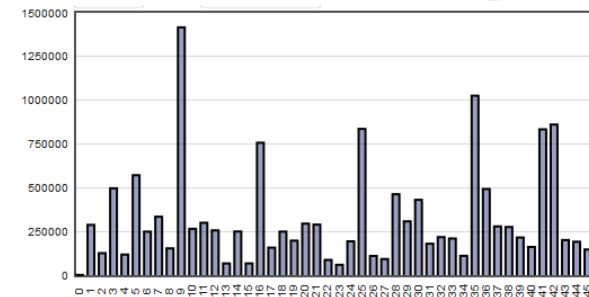
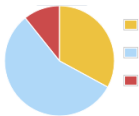
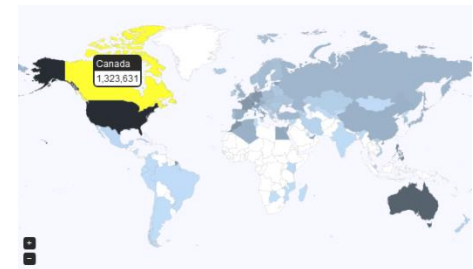
Easy search of US or Vienna image class

Full Boolean, proximity and range options

Unlimited, customizable results browsing

Saved searches and record sets

Instant, graphical data analysis





# IMAGE SEARCH

- Sort your results by their visual similarity to an image you provide
- World's first public trademark database to provide search by image
- Choose the search strategy best suited to your particular mark

Search For

Find (in top results – without Vienna Class)



# How it works – Looking for logos similar to ‘Arla’

**SEARCH BY**

Brand | Names | Numbers | Dates | Class | Country

Text =   
 Image Class =  
 Goods (All) ▾ =

1 - 30 / 25,034,570

Sort by

**FILTER BY**

Source | Image | Status | Origin | App. Date \* | Expiration \*

AE TM	39,540	AU TM	1,502,367	BN TM	38,002
CA TM	1,448,752	CH TM	367,273	DE TM	1,846,960
DK TM	282,597	DZ TM	26,187	EE TM	56,020
EG TM	75,567	EM TM	1,310,387	ID TM	755,518
IL TM	249,839	LA TM	37,007	JP TM	1,877,512
KH TM	69,073	KR TM	3,082,279	MA TM	135,386

Display:  Sort:

filter

Display: 30 per page options

1 / 834,486

HIERBABUEN, DELMEDIO, MENTHA, HEMINGWAY	KAROKA wellness	leadxpro	BIOTOOL	HN	BODUM	FARAWAVES	FIBERNOMICS	HACHENE	TOMAIL
BIONIC	COFFEE SOUL	MAXI BAZAR	Q FERMENTATI	MET	BYSTRIC	almacasa SELBSTBESTI UMSORGT	MMS Pulse	LEADXPRO	medic jobs

1 - 30 / 25,034,570

Display: 30 per page options

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# Global Brand Database

NEWS

Perform a trademark search by text or image in brand data from multiple national and international sources, including trademarks, appellations of origin and official emblems.

## SEARCH BY

Brand Names Numbers Dates Class Country

Text =

Image Class =

Goods (All) ▾ =

search 🔍

### CURRENT SEARCH

BRAND:arla \*

## FILTER BY

Source Image Status Origin App. Date \* Expiration \*

AE TM	4	AU TM	8	BN TM	0
CA TM	7	CH TM	1	DE TM	9
DK TM	63	DZ TM	0	EE TM	1
EG TM	10	EM TM	29	ID TM	11
IL TM	14	LA TM	4	JP TM	0
KH TM	4	KR TM	7	MA TM	0
MD TM	0	MX TM	11	NZ TM	5
OM TM	3	PG TM	0	PH TM	7
SG TM	24	TO TM	0	US TM	13

Display: List ▾ Sort: Value - asc ▾

filter ▾

31 - 60 / 251

TMview 🔗



Display: 30 per page options ⚙

2 / 9

Sort by Origin - asc ▾



ARLA



ARLA



ARLA NATURA

ARLA WELLNESS



WO TM (Active)  
990596  
Arla  
2008-09-08 (DK)  
Arla Foods amba  
NC: 1, 5, 29, 30, 31, 32



Protin

ARLA PROTINO



ARLA MINI

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2 / 9

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← back

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International Trademark



(Information valid as of 2014-09-09)



990596 - Arla

**(151) Date of the registration**

08.09.2008

**(180) Expected expiration date of the registration/renewal**

08.09.2018

**(270) Language(s) of the application**

English

**(732) Name and address of the holder of the registration**

Arla Foods amba  
Sønderhøj 14  
DK-8260 Viby J (DK)

**(813) Contracting State or Contracting Organization in the territory of which the holder has his domicile**

DK

**(740) Name and address of the representative**

Zacco Denmark A/S  
Hans Bekkevolds Allé 7  
DK-2900 Hellerup (DK)

**(540) Mark**



**(531) International Classification of the Figurative Elements of Marks (Vienna Classification)- VCL (6)**

**i** [05.05.20](#); [26.01.18](#); [29.01.13](#)

**(591) Information on colors claimed**

Dark green; Yellow

# Using Image Search – drag image from results to image filter

**SEARCH BY**

Brand Names Numbers Dates Class Country

Text = e.g. wipo OR omp, \*ntel\*, omp~

Image Class = e.g. 05.07.13, apple AND tree

Goods (All) ▾ = e.g. footwear, comput\*

search

CURRENT SEARCH  
BRAND:arla ✕

31 - 60 / 251 TMview Display: 30 per page

Sort by Origin - asc ▾

**FILTER BY**

Source Image Status Origin App. Date \* Expiration \*

1 Pick an image  
browse   
or  
drag an image here

2 Pick a strategy

Shape	Verbal	16
Color	Nonverbal	0
Texture	Combined	142
Composite	Unknown	19

3 Pick an image type

filter

31 - 60 / 251 Display: 30 per page options

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Select a search strategy and, optionally, what type of image to look for and all images are sorted by similarity to your source image

Goods (All) =  search ↗

**FILTER BY**

Source Image Status Origin App. Date \* Expiration \*

1 Pick an image  delete

2 Pick a strategy

- Shape
- Color
- Texture
- Composite

3 Pick an image type

Verbal	0
Nonverbal	1,522,717
Combined	6,865,315
Unknown	0

filter ▼

CURRENT FILTER

IMAGE:Shape \* ITY:(Nonverbal Combined) \*





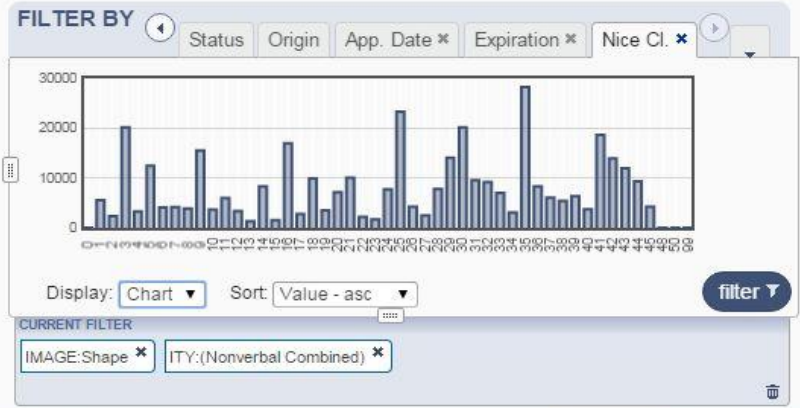
Combine with Vienna class – or any other terms or filters. The image filter will sort matching records accordingly.

Image Class = e.g. 05.07.13, apple AND tree

Goods (All) = e.g. footwear, comput\*

search

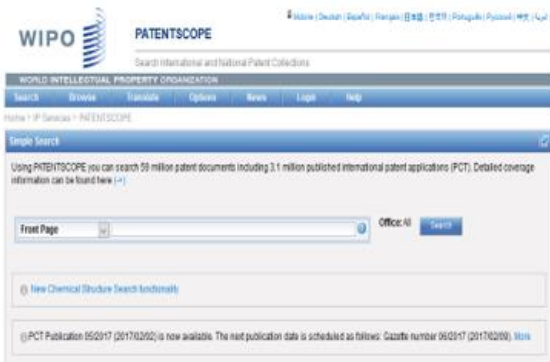
CURRENT SEARCH  
IC:flower \*



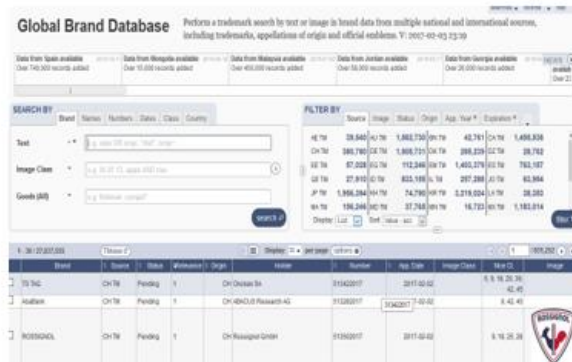
1 - 60 / 188,338 TMview

Display: 60 per page options

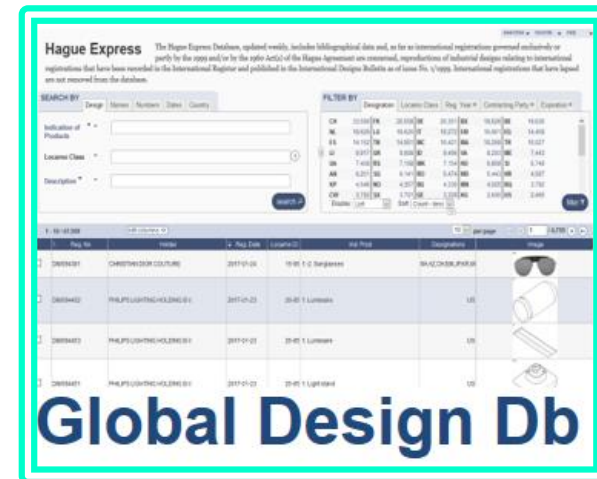
Sort by Score - desc

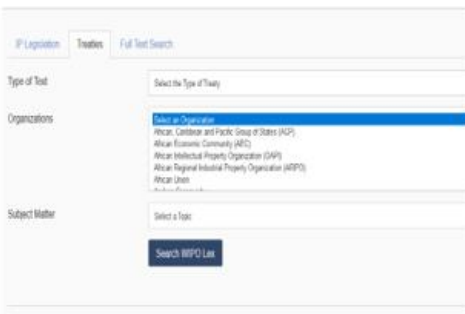
**PATENTSCOPE**



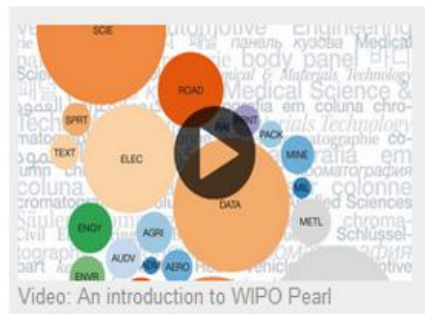
**Global Brand Db**



**Global Design Db**



**WIPO Lex**



**WIPO Pearl**



**Re:Search**



**WIPO Green**

# GLOBAL DESIGN DATABASE

- URL: <http://www.wipo.int/designdb>
- Launched on January, 9<sup>th</sup> 2015.
- Free of charge simultaneous design-related searches across multiple collections, including:
  - designs registered under the Hague System
  - national design collections of CA, ES, JP, NZ, US
  - other national collections, including DE, KR and EM coming soon

# Global Design Database

A world-wide collection of industrial designs data; including WIPO Hague registrations and information from participating national offices.

## SEARCH BY

Design Names Numbers Dates Country

Indication of Products ▾ =

Design class ▾ =

Description ▾ =

search ↗

## FILTER BY

Source Designation Locarno Class Reg. Date \*

CA Designs	<b>153,343</b>	ES Designs	<b>93,809</b>
JP Designs	<b>479,755</b>	NZ Designs	<b>44,187</b>
US Designs	<b>483,493</b>	WO Designs	<b>41,016</b>






Display: List ▾ Sort: Value - asc ▾

filter ▾

1 - 10 / 1,295,603

edit columns <>

10 per page 1 / 129,561

Reg. No	Source	Holder	Reg. Dat	Locarn	Nation	Ind. Prod.	Designations	Designs	Image
ES700000000	ESID	ANDRÉS MORENO TORRES	2015-08-3	11-02		Esculturas	ES	9	
ES700000000	ESID	SERGIO PESTAÑA CAMACHO	2015-08-3	02-02		CHALECOS	ES	4	
ES700000000	ESID	F2WORK TRABAJOS ESPECIALES S.L.	2015-08-3	06-03		Banco de trabajo	ES	5	
ES700000000	ESID	INNOVACION BAÑO, S.L.	2015-08-2	23-01		VALVULA DE DESAGÜE PARA SANITARIOS	ES	1	
157901	CA ID	HUSQVARNA AB	2015-08-2		CA.003-	CONNECTOR NUT	CA	1	
150851	CA ID	ECO GUTTER IP HOLDINGS PTY LTD.	2015-08-2		CA.018-	GUTTER SECTION	CA	1	

# Search by national classification as well as Locarno

## Global Design Database

A world-wide collection of design registrations and information

**SEARCH BY** Design Names Numbers Dates Country

Indication of Products =

Design class =  >

- LC.01-01: [Waffles](#)
- LC.07-02: [Waffle](#) irons
- J.P.C5-41100F: Pots, Grills, Hot Plates - [Waffle](#) Iron S
- US.D07-410: - Warming or cooking - Grid, grille, hot plate - [Waffle](#)

**FILTER**

Lookup individual design classes

Class Description =

Code =

Current Search:

1 - 21 / 21

Description	Type	Code
Ice cream	LC	01-01
Ice cream cornets [edible]	LC	01-01
Ice cream goblets	LC	07-01
Vessels for making ice cream, non-electric	LC	07-04
Scoops for ice cream	LC	07-99
Ice cream cornets [containers]	LC	09-05
Ice cream drip guards	LC	09-99
Ice cream sticks	LC	09-99
Ice cream cornets (Automatic vending machines for —)	LC	20-01
Ice cream freezers, electric	LC	31-00
Ice Cream Cone Cup	JP	A1-191



← back

1 / 2

## Hague Registration

Current Status History

### Designated contracting parties:

All EM

### Invalidation: EM: Bulletin No. 41/2012

**(11) Registration Number**

DM/070593

**(73) Name of holder**

LIMITED LIABILITY COMPANY "LOGOS"  
249, Geroev Stalingrada Street, Dnipropetrovsk (UA)

**(81) Designated Contracting Party which pronounced the invalidation, followed by its effective date where that date was communicated to the International Bureau**

EM; 03.05.2012

**(58) Date of recording in the International Register**

11.09.2012

### Statement of Grant of Protection: EM: Bulletin No. 10/2008

**(11) Registration Number**

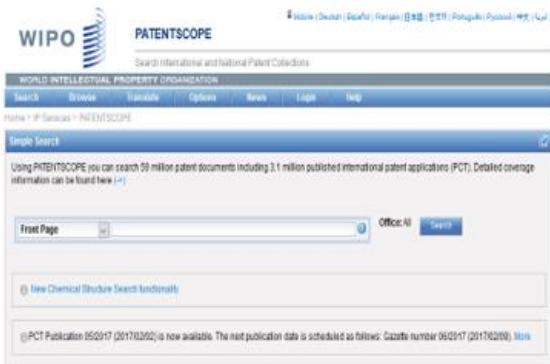
DM/070593

**(81) Designated Contracting Party which made the notification**

EM

**(58) Date of recording in the International Register**

01.10.2008



**PATENTSCOPE**



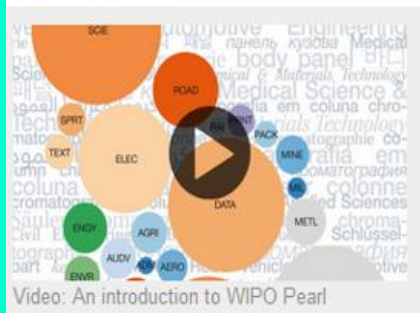
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**Global Design Db**



**WIPO Lex**



**WIPO Pearl**



**Re:Search**



**WIPO Green**



## WIPO Lex

WIPO Lex is a one-stop **search facility** for national laws and treaties on intellectual property (IP) of WIPO, WTO and UN Members. It also features related information which elaborates, analyzes and interprets these laws and treaties. It provides streamlined access to reference material of key importance for optimal information on the global IP System.

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Treaties

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- Albania (34)
- Algeria (26)
- Andorra (16)
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Subject Matter

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Select a Member

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Andorra (16)  
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Subject Matter

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Copyright and Related Rights (Neighboring Rights)  
Domain Names  
Enforcement of IP and Related Laws  
Genetic Resources  
Geographical Indications  
Industrial Designs  
Industrial Property  
IP Regulatory Body  
Layout Designs of Integrated Circuits  
Patents (Inventions)  
Plant Variety Protection  
Trade Names  
Trademarks  
Traditional Cultural Expressions  
Traditional Knowledge (TK)  
Transfer of Technology  
Undisclosed Information (Trade Secrets)  
Utility Models  
Other

## News on IP Laws

December 10, 2013 [South Africa: The Intellectual Property Laws, namely, the Performance Act 1993 and the Designs Act 1993.](#)

October 18, 2013 [Philippines: The BOT Office Order No. 13-06, Series of 2013, on the Implementation Guidelines for Office Order No. 13-061, Series 2013, on Trademark Applications with Priority Right Claim, issued by the Bureau of Trademarks \(BOT\) on October 18, 2013, provides for the guidelines to ensure the accurate implementation of the Office Order No. 13-061, which became effective on May 2, 2013. These guidelines primarily refer to the pending trademark applications at the time the Order became effective, the requirement of a copy of the foreign application as a basis for claiming convention priority, the application of goods and services in the Philippines compulsorily covered by the applications used as basis for claiming convention priority, the national applications where fees are not paid in full, the notice of registration of foreign application to the IP office of the Philippines \(the IPOPHL\) and the conditions for exemption from conformity to the list of goods and services in the foreign registration for the trademark applications for goods and services in the Philippines.](#)

Related links

## WIPO Lex

WIPO Lex is a global database that provides free access to some national laws and treaties on intellectual property (IP) from some countries which are WIPO, WTO or UN Members. The WIPO Lex project was made possible through a common endeavor of the Member States and other relevant bodies who contribute continuously to enriching the collection. WIPO invites Member States and other IP stakeholders to expand and update the content by sending inputs and suggestions through [WIPO-WTO common portal \(IP authorities only\)](#) or through [contact page \(open to all\)](#).

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[Glossary](#)  
[Partners](#)  
[Brochure](#)  
[How to Use](#)

IP Legislation

Treaties

Full Text Search

WIPO/WTO/UN Members

Poland (52)  
**Portugal (150)**  
Qatar (21)  
Republic of Korea (93)  
Republic of Moldova (79)  
Romania (47)  
Russian Federation (102)

Subject Matter

Select a Topic

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# Portugal (150 texts)

Quick Access: [Laws \(72 texts\)](#) | [Implementing Rules/Regulations \(29 texts\)](#) | [Geographical Indications \(49 texts\)](#) | [Treaty Membership \(78 texts\)](#) | [Relevant links](#)



## Laws

### Constitution / Basic Law

- [Constitution of the Portuguese Republic \(2005\)](#)

### Main IP Laws: enacted by the Legislature

- [Industrial Property Code \(as amended up to Law No. 46/2011 of June 24, 2011\) \(2011\)](#)
- [Law No. 109/2009 of September 15, 2009 \(Cybercrime Law\) \(2009\)](#)
- [Law No. 16/2008 of April 1, 2008 \(Enforcement of IP Rights\) \(2008\)](#)
- [Code of Copyright and Related Rights \(as amended up to Law No. 16/2008 of April 1, 2008\) \(2008\)](#)
- [Law No. 50/2004 of August 24, 2004 \(Copyright and Related Rights in the Information Society\) \(2004\)](#)
- [Law No. 83/2001 of 3 August \(Collecting Societies of Copyright and Related Rights\) \(2001\)](#)
- [Law No. 12/81 of 21 July \(Protection of Portuguese Music in its Broadcast on Radio and Television\) \(1981\)](#)

### IP-related Laws: enacted by the Legislature

- [Civil Code \(approved by Decree-Law No. 47344/66 of November 25, 1966, and amended up to Law No. 150/2015 of September 8, 2015\) \(2015\)](#)
- [Law No. 52/2008 of August 28, 2008, on the Organization and Functioning of the Judicial Courts \(LOFJC\) \(as amended up to Law No. 10/2013 of February 27, 2013\) \(2013\)](#)
- [Law No. 46/2011 of June 24, 2011, creating the Intellectual Property Court \(2011\)](#)
- [Law No. 32/2008 of 17 July \(Electronic Communications\) \(2008\)](#)
- [Law No. 8 / 2007 of 14 February \(Concession of Public Service Radio and Television\) \(2007\)](#)
- [Law No. 64/2007 of 6 November \(Amendment to Statute of the Journalist\) \(2007\)](#)
- [Law No. 59/2007 of 4 September \(Twenty-third Amendment to the Penal Code\) \(2007\)](#)
- [Law No. 27/2007 of 30 July \(Television Act\) \(2007\)](#)
- [Law No. 39/2006 of 25 August \(Infringement of National Competition Rules\) \(2006\)](#)

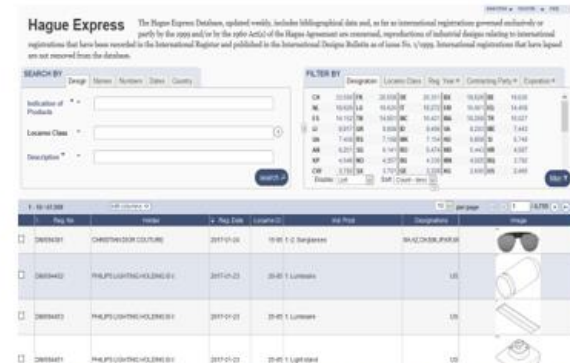




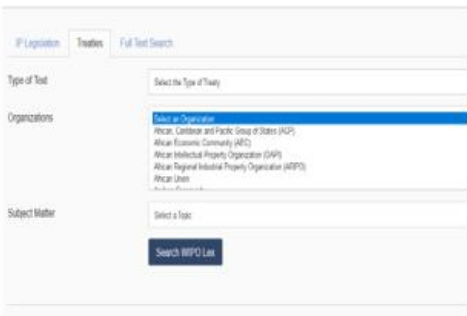
**PATENTSCOPE**



**Global Brand Db**



**Global Design Db**



**WIPO Lex**



**WIPO Pearl**



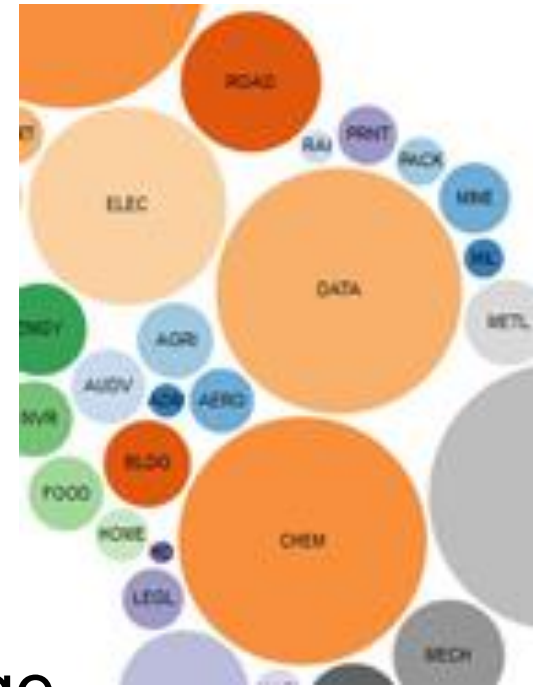
**Re:Search**



**WIPO Green**

# WIPO Pearl

- WIPO's online terminology database
- 16'000 concepts, 110'000 terms
- 10 languages
- Contents validated by WIPO language experts and terminologists
- <http://www.wipo.int/wipopearl/search/home.html>





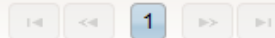
Results

2 HITS for mobile phone Source Language EN; Target Language PT; Subject Field Any

Hide all contexts

Show all contexts

1 of 1



DATA / Telecommunications



EN mobile phone



cellular phone



telefone celular



PT aparelho celular



telemóvel



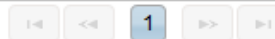
DATA / Telecommunications



EN mobile phone mast



1 of 1



# Concept Map for – mobile phone

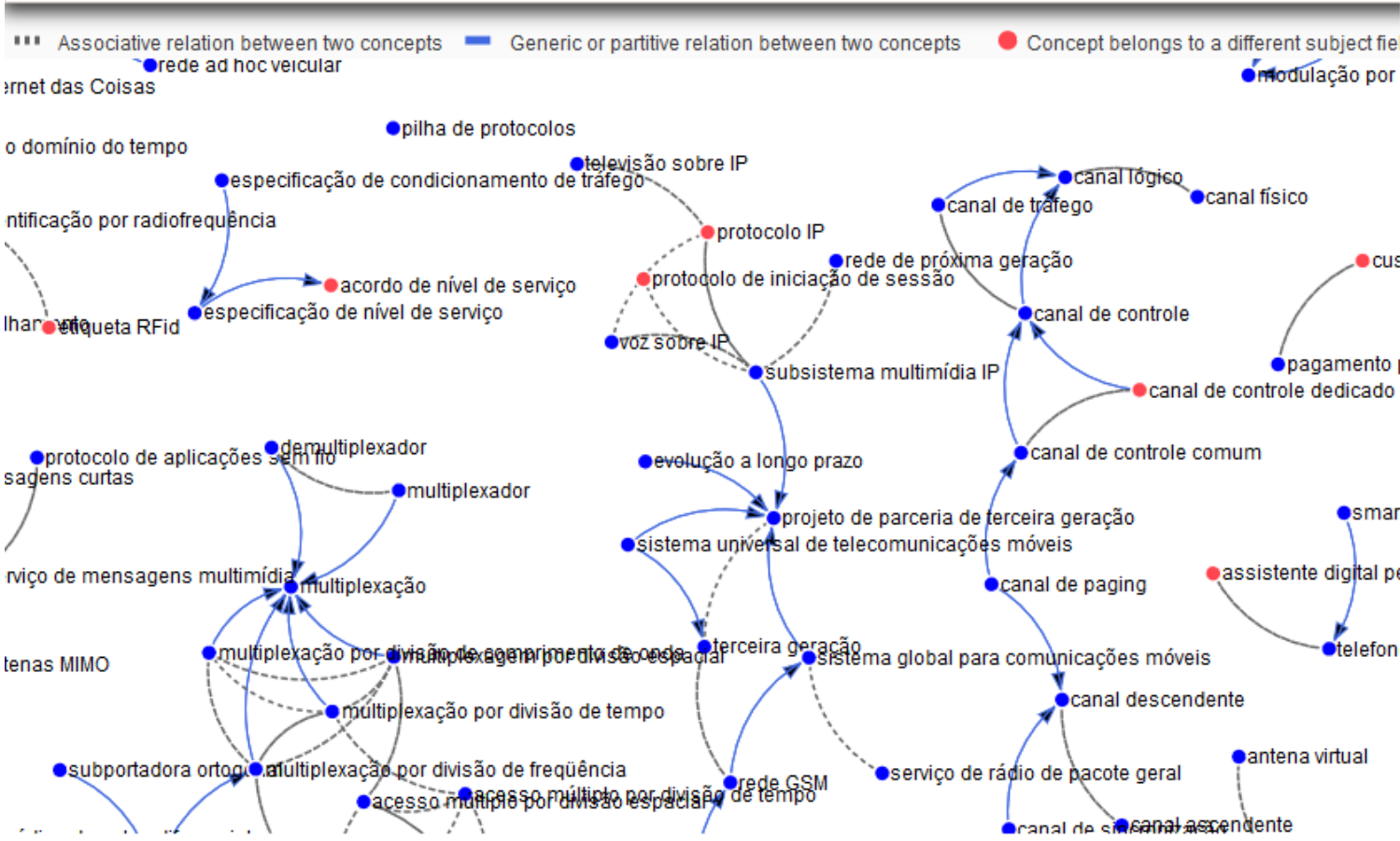
All Subject Fields > Computer Science & Telecommunications > Telecommunications

Select a language

- AR
- DE
- EN
- ES
- FR
- JA
- KO
- PT
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- ZH

Search  Concept  Path

mobile phone



**WIPO PATENTSCOPE**

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Simple Search

Using PATENTSCOPE you can search 59 million patent documents including 3.1 million published international patent applications (PCT). Detailed coverage information can be found here [+]

Front Page Office: All Search

New Chemical Structure Search (trademarks)

PCT Publication 652917 (20170292) is now available. The next publication date is scheduled as follows: Gazette number 965917 (20170209), More

# PATENTSCOPE

**Global Brand Database**

Perform a trademark search by text or image to brand data from multiple national and international sources, including trademarks, applications of origin and official entries, Y: 2007-02-03 12:10

SEARCH BY Brand Status Class Country

Text: [input field]

Image Class: [input field]

Goods (SI): [input field]

Brand	Status	Class	Country	Count			
42 79	29,840	40 79	6,882,729	42,791	5,439,328		
01 79	381,790	01 79	3,886,721	01 79	398,259	28,782	
02 79	67,228	02 79	112,246	02 79	1,405,279	762,167	
03 79	27,810	03 79	823,188	03 79	297,289	43,894	
04 79	1,595,294	04 79	74,790	04 79	5,219,024	1,79	28,283
05 79	198,246	05 79	57,748	05 79	18,723	05 79	1,182,814

9:30:27:202:055

3134232017

3134232017

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# Global Brand Db

**Hague Express**

The Hague Express Database, updated weekly, includes bibliographical data and, as far as international registration is concerned, reproductions of industrial designs relating to international registrations that have been recorded in the International Register and published in the International Design Bulletin as of June 30, 1999. International registrations that have been registered are not recorded here for the database.

SEARCH BY Design Status Status Class Country

Institution of Protection: [input field]

Locusts Class: [input field]

Description: [input field]

1:10:40:208

Reg No	Date	Locusts Class	Reg No	Reg No	Reg No
28993021	2017-01-24	19 01: 1 0: Supplement	19 01: 1 0: Supplement	19 01: 1 0: Supplement	19 01: 1 0: Supplement
28993402	2017-01-23	20 01: 1: Luggage	20 01: 1: Luggage	20 01: 1: Luggage	20 01: 1: Luggage
28993403	2017-01-23	20 01: 1: Luggage	20 01: 1: Luggage	20 01: 1: Luggage	20 01: 1: Luggage
28993404	2017-01-23	20 01: 1: Luggage	20 01: 1: Luggage	20 01: 1: Luggage	20 01: 1: Luggage

# Global Design Db

**WIPO Lex**

Full Text Search

Type of Text: [input field]

Organizations: [input field]

Subject Matter: [input field]

Search WIPO Lex

# WIPO Lex

**WIPO Pearl**

Video: An introduction to WIPO Pearl

# WIPO Pearl



# Re:Search



# WIPO Green

# WIPO | Re:Search

## ■ Broad aims:

- Match-making for technology transfer and collaborations
- Reduce transaction costs
- Build on comparative advantages of multi-stakeholder approaches
- Demonstrate practical means for the global policy issues

## ■ Based on the recognition that:

- Users want access to technologies, not just patent rights
- Collaboration (e.g. training) is crucial to tech transfer



- A Global Database and Platform to bridge partners to use IP (including know-how and data) to facilitate R&D on neglected tropical diseases, tuberculosis, and malaria.
- Royalty-free for R&D, manufacture and sale in LDCs
- Over 90 partners (pharmaceutical industry, research institutes such as NIH, Universities)
- As of June 2015, 89 collaborations

# WIPO | Re:Search

Sharing Innovation in the Fight Against Neglected Tropical Diseases

## Get involved:

- As a user
- As a provider
- As a supporter

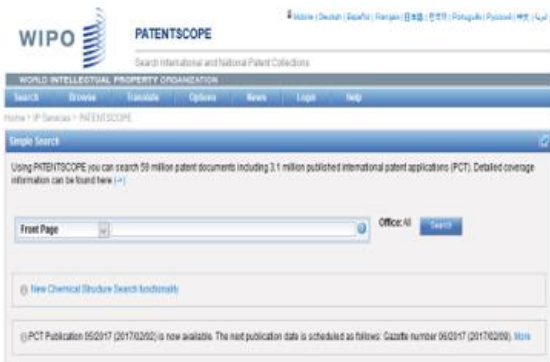
Contact email: [re\\_search@wipo.int](mailto:re_search@wipo.int)



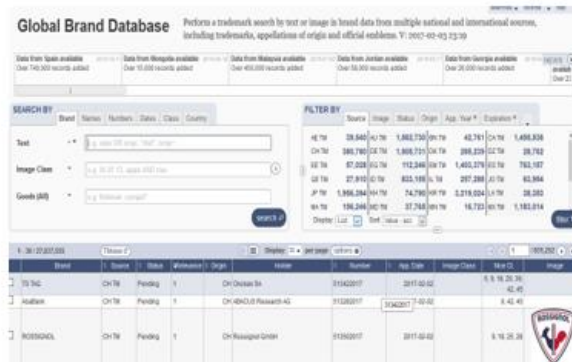
US National Institutes  
of Health (NIH)







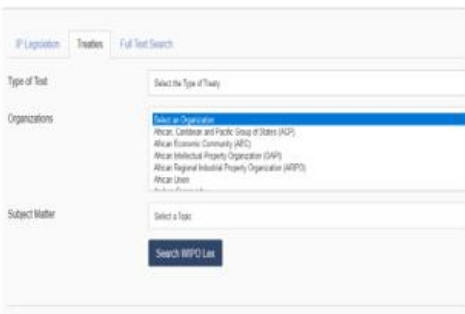
**PATENTSCOPE**



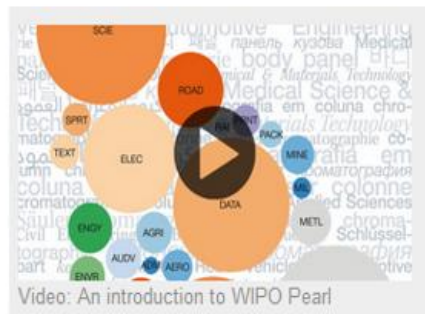
**Global Brand Db**



**Global Design Db**



**WIPO Lex**



**WIPO Pearl**

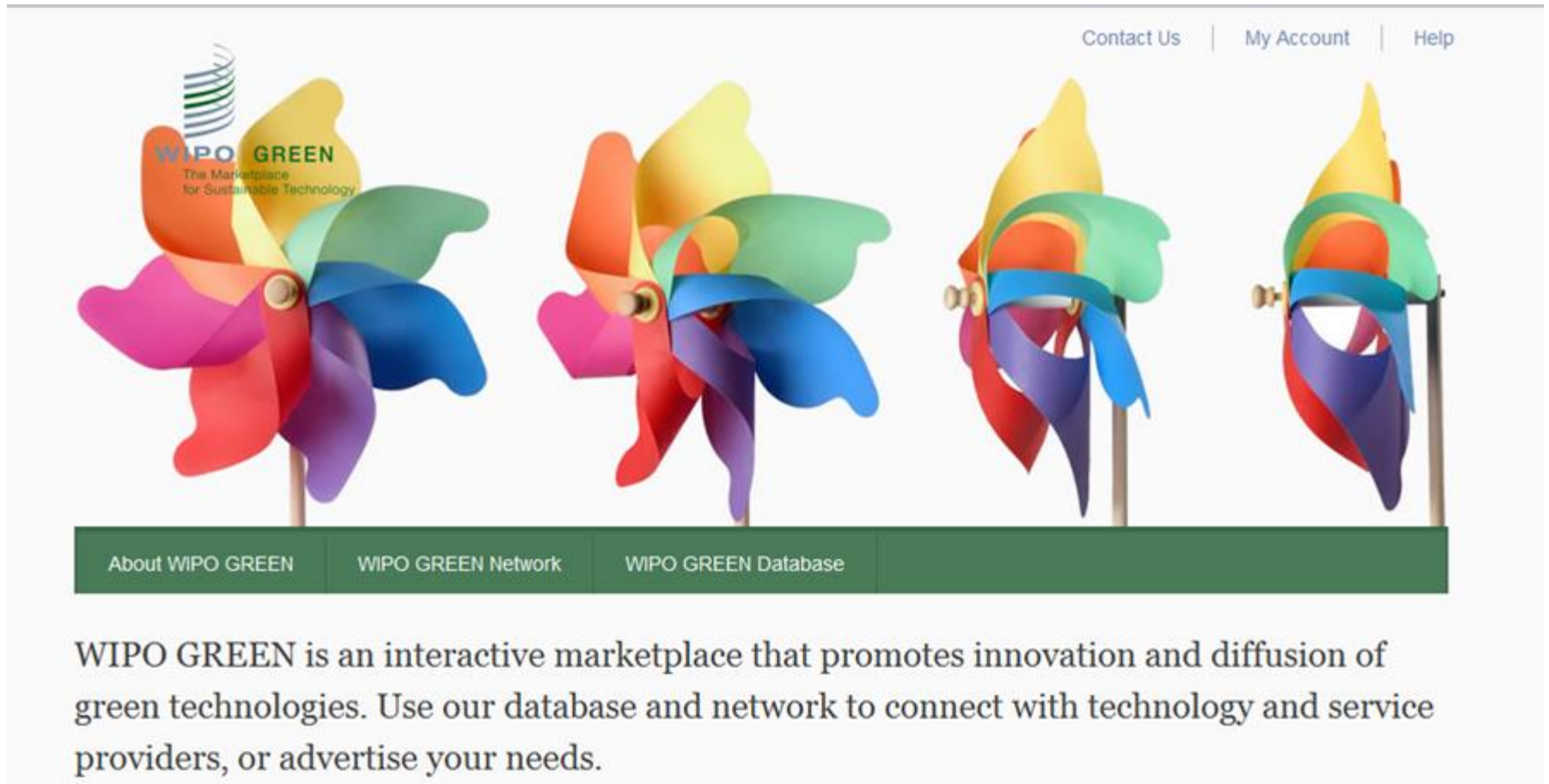


**Re:Search**



**WIPO Green**

# WIPO | GREEN



The banner features four colorful pinwheels in shades of yellow, orange, green, blue, red, and purple, arranged in a row. The first pinwheel on the left has the WIPO GREEN logo and tagline overlaid on it. The logo consists of a stylized green and blue globe icon above the text 'WIPO GREEN' and 'The Marketplace for Sustainable Technology'. In the top right corner, there are three navigation links: 'Contact Us', 'My Account', and 'Help'. Below the pinwheels is a dark green horizontal bar with four white text labels: 'About WIPO GREEN', 'WIPO GREEN Network', 'WIPO GREEN Database', and 'WIPO GREEN Database'.

Contact Us | My Account | Help

WIPO GREEN  
The Marketplace  
for Sustainable Technology

About WIPO GREEN | WIPO GREEN Network | WIPO GREEN Database | WIPO GREEN Database

WIPO GREEN is an interactive marketplace that promotes innovation and diffusion of green technologies. Use our database and network to connect with technology and service providers, or advertise your needs.





United Nations Office for South-South Cooperation



International Centre for Trade and Sustainable Development



United Nations Global Compact



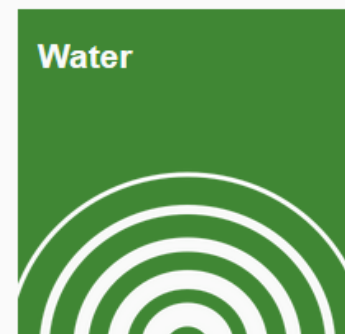
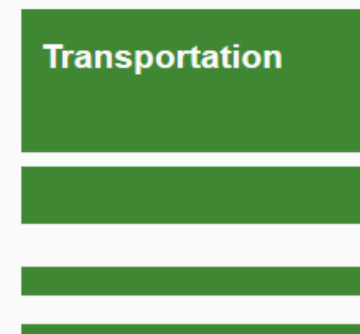
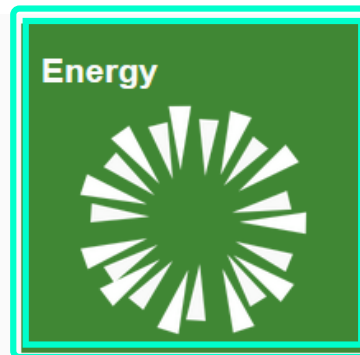
Since 1985



GIVEWATTS



# 7 Database categories



# Get Involved

- Become a Partner and shape the further development of WIPO GREEN
- Register to:
  - communicate your green innovation and technology needs
  - advertise your inventions, technologies, products and services
  - connect with the innovation and business communities globally

# Take home highlights

- WIPO builds value around the IP data
- PATENTSCOPE: very powerful full text patent prior art search engine
- Try the new neuronal WIPO\*Translate
- Global Brand Database: trademark searches. Try Image similarity search when Vienna classification searches do not perform
- Global Design Database: design searches

Thank you for your attention

[patentscope@wipo.int](mailto:patentscope@wipo.int)