



Roving Seminar on WIPO Services and Initiatives

**Sydney, Australia
20 March 2017**

Introduction to WIPO



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



WIPO

MISSION STATEMENT

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

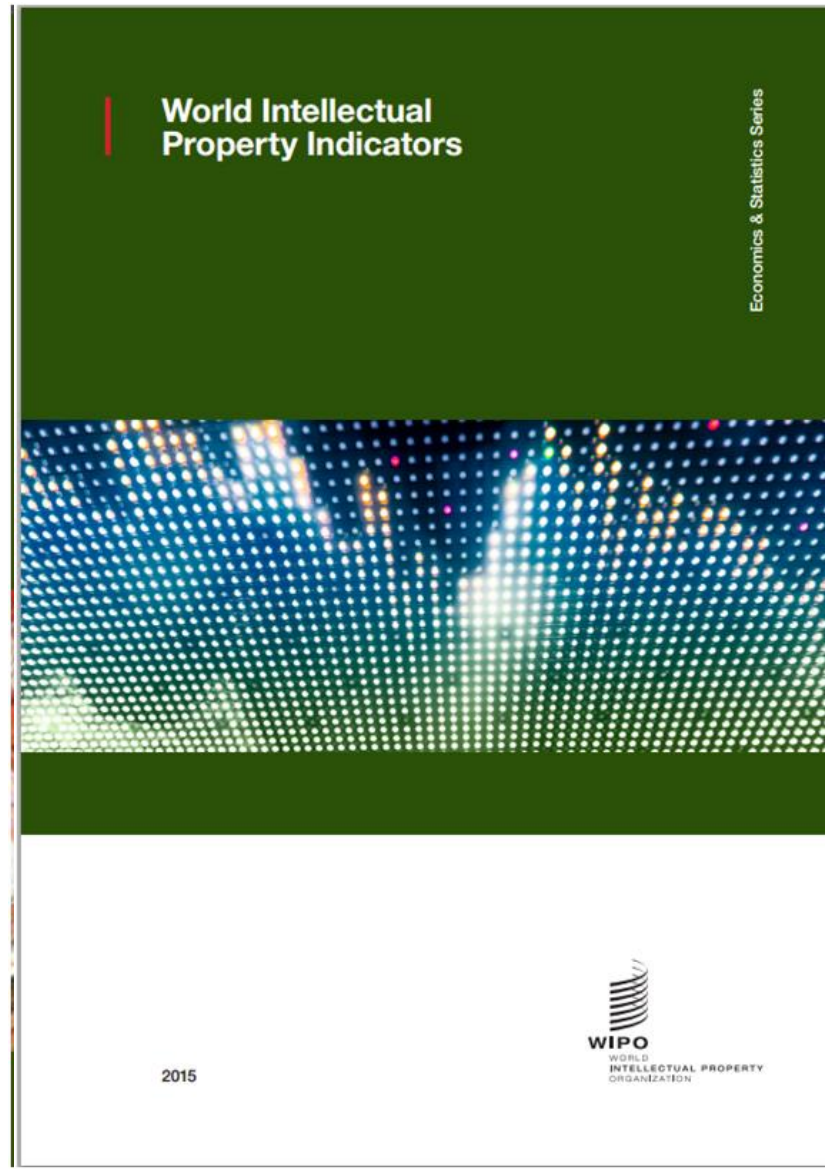
WIPO
WORLD
INTELLECTUAL PROPERTY
ORGANIZATION

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

<http://www.wipo.int/multimedia-video/en/about-wipo/wipo.ogg>

Major Economic Studies on IP



Australia



The Global Innovation Index

RANKING 2015

1. SWITZERLAND
2. UNITED KINGDOM
3. SWEDEN
4. NETHERLANDS
5. UNITED STATES OF AMERICA
6. FINLAND
7. SINGAPORE
8. IRELAND
9. LUXEMBOURG
10. DENAMRK
11. HONG KONG (CHINA)
12. GERMANY
13. ICELAND
14. REPUBLIC OF KOREA
- 17. AUSTRALIA**

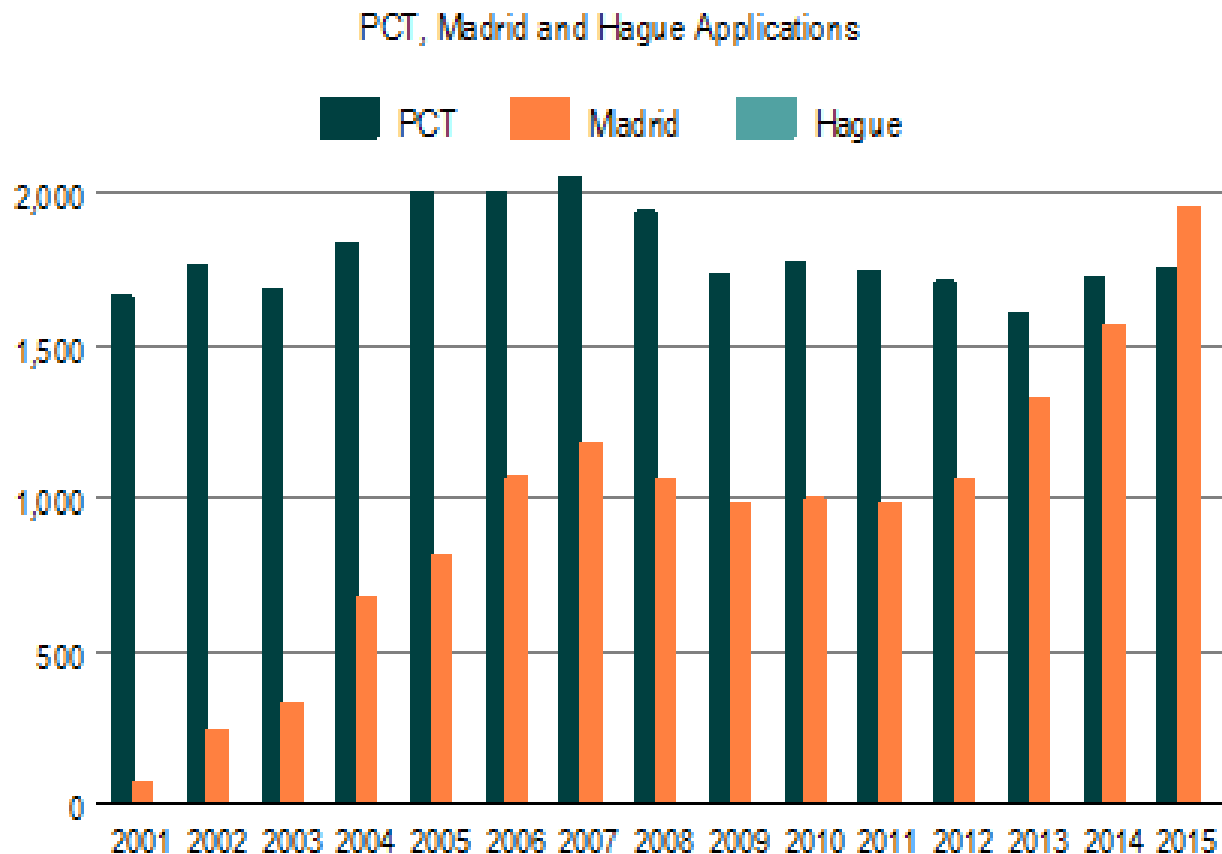
RANKING 2016

1. SWITZERLAND
2. SWEDEN
3. UNITED KINGDOM
4. UNITED STATES OF AMERICA
5. FINLAND
6. SINGAPORE
7. IRELAND
8. DENMARK
9. NETHERLANDS
10. GERMANY
11. REPUBLIC OF KOREA
12. LUXEMBOURG
13. ICELAND
14. HONG KONG (CHINA)
- 19. AUSTRALIA**

The Global Innovation Index

Strengths	Weaknesses
Regulatory quality	Gov't expenditure/pupil, secondary, % GDP/cap
School life expectancy, years	Graduates in science & engineering, %
Tertiary education	GDP/unit of energy use, 2005 PPP\$/kg oil eq
Tertiary enrollment, %gross	Ease of protecting minority investors
Tertiary inbound mobility, %	GERD financed by abroad, %
QS university ranking, average score top 3	ICT services imports, % total trade
Infrastructure	Research talent, % in business enterprise
Information & Communications Technologies (ICTs)	Knowledge diffusion
E-participation	ICT services exports, % total trade
Credit	FDI net outflows, % GDP
Ease of getting credit	National feature films/mn pop. 15–69
Intensity of local competition (trade)	
JV-strategic alliance deals/bn PPP\$ GDP	
New businesses/th. Pop. 15-64	

International Applications via WIPO Administered Treaties (1998 to 2015)



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

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- Press releases
www.wipo.int/pressroom/en/



WIPO Services & Initiatives

The Patent Cooperation Treaty (PCT)



Anjali Aeri, Program Officer, PCT International Cooperation Division, Patents & Technology Sector

Sydney, Australia
20 March 2017

WIPO
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Putting Innovation into Practice

- The PCT is a global solution for innovators



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:

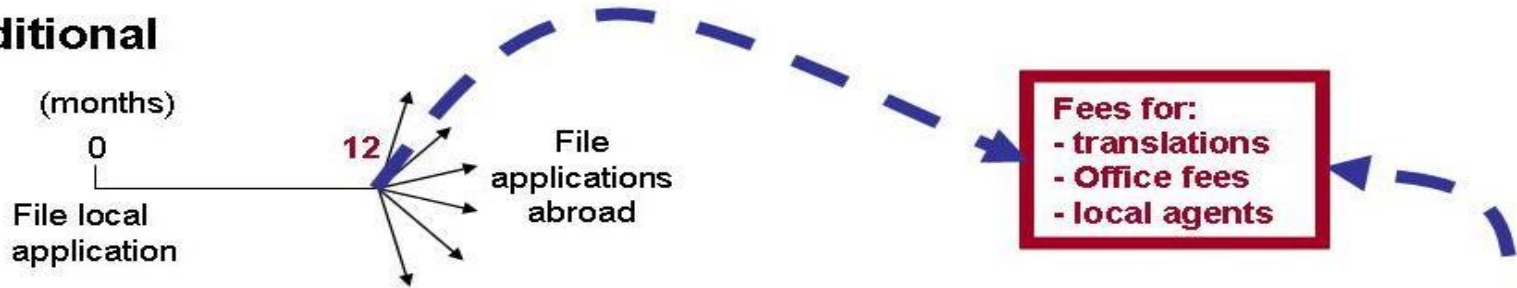


“... The PCT is critical for these early stage technologies because it gives us the opportunity to protect our patents globally while allowing the market and the technology to mature further before determining which countries might be most valuable to commercial partners.”

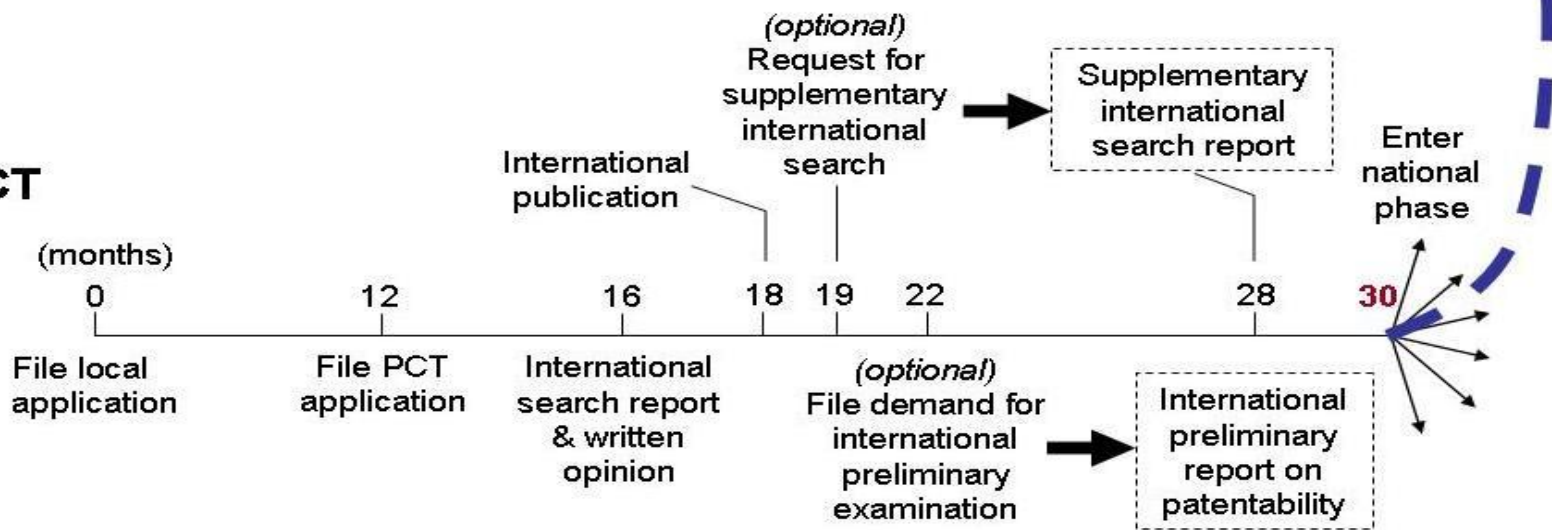
PCT - Seek Patents Globally

Traditional Patent System vs PCT System

Traditional



PCT



2.2.2

International Searching Authorities (22 in total)

- AT – Austria
- AU – Australia
- BR – Brazil
- CA – Canada
- CL – Chile
- CN – China
- EG – Egypt
- ES – Spain
- FI – Finland
- IL – Israel
- IN – India
- 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 (VPI)
(Czech Republic, Hungary, Poland, Slovakia)
- TR – Turkish Patent and Trademark Office
(operational as from 8 March 2017)

Receiving Office decides on which ISAs is/are competent

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 page 3, lines 5-7 Fig. 5, support 36	1-3
Y		4, 10
A		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

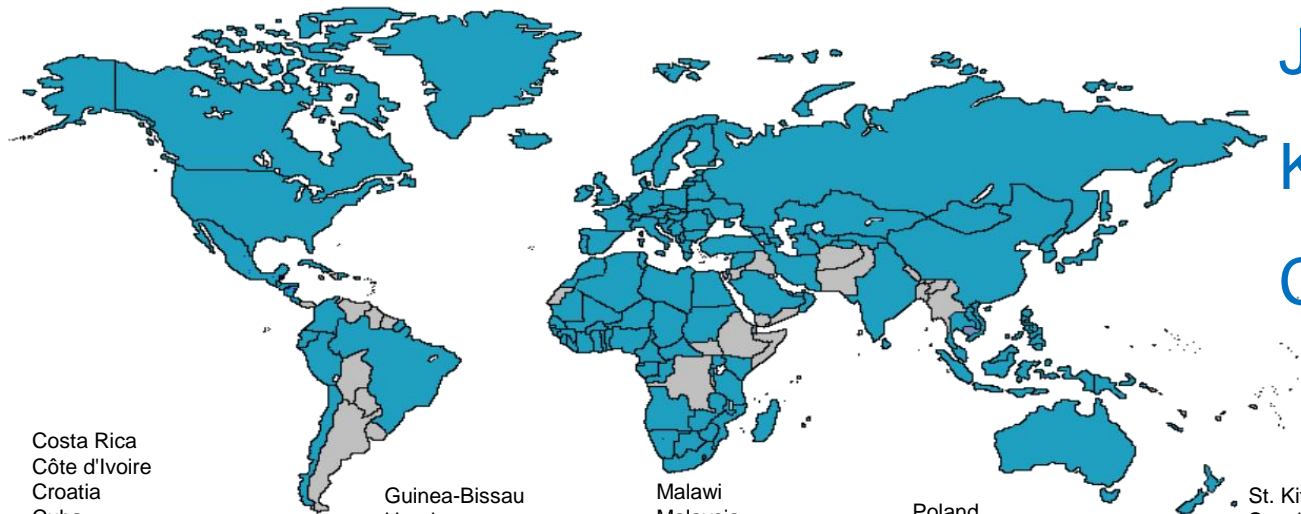
PCT Coverage: 152 States

Recent
accessions:

Jordan

Kuwait

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
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Estonia
Finland
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Gabon
Gambia
Georgia
Germany
Ghana
Greece
Grenada
Guatemala
Guinea

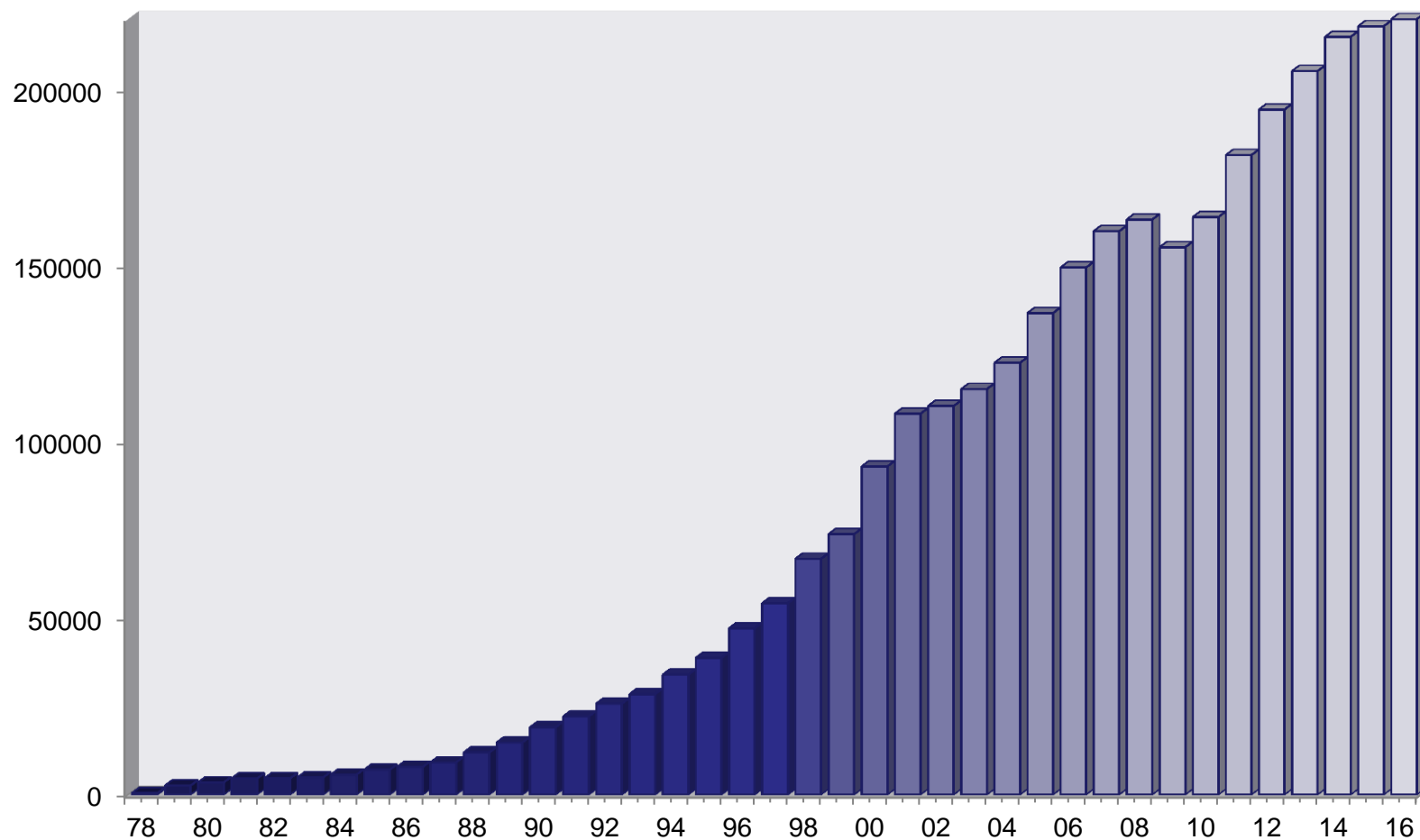
Guinea-Bissau
Honduras
Hungary
Iceland
India
Indonesia
Iran (Islamic Republic of)
Ireland
Israel
Italy
Japan
Kazakhstan
Kenya
Kuwait
Kyrgyzstan
Lao People's Dem Rep.
Latvia
Lesotho
Liberia
Libyan Arab Jamahiriya
Liechtenstein
Lithuania
Luxembourg
Madagascar

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

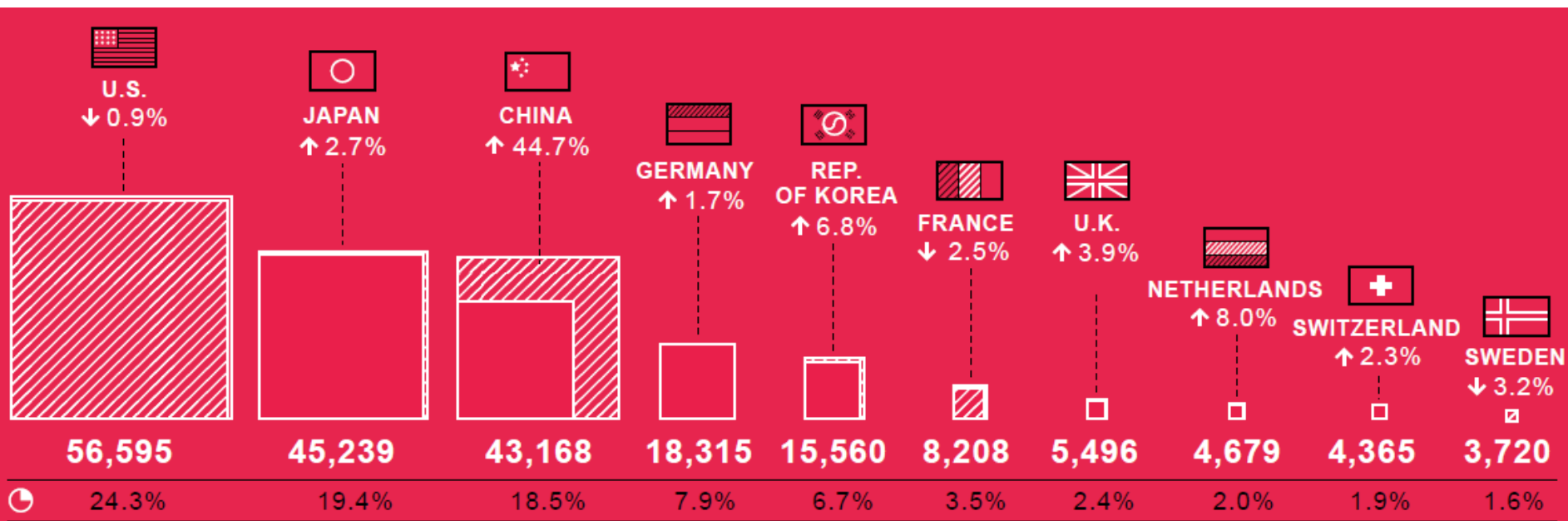
St. Kitts and Nevis
Sweden
Switzerland
Syrian Arab Republic
Tajikistan
Thailand
The former Yugoslav
Republic of Macedonia
Togo
Trinidad and Tobago
Tunisia
Turkey
Turkmenistan
Uganda
Ukraine
United Arab Emirates
United Kingdom
United Republic of Tanzania
United States of America
Uzbekistan
Viet Nam
Zambia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

PCT Applications



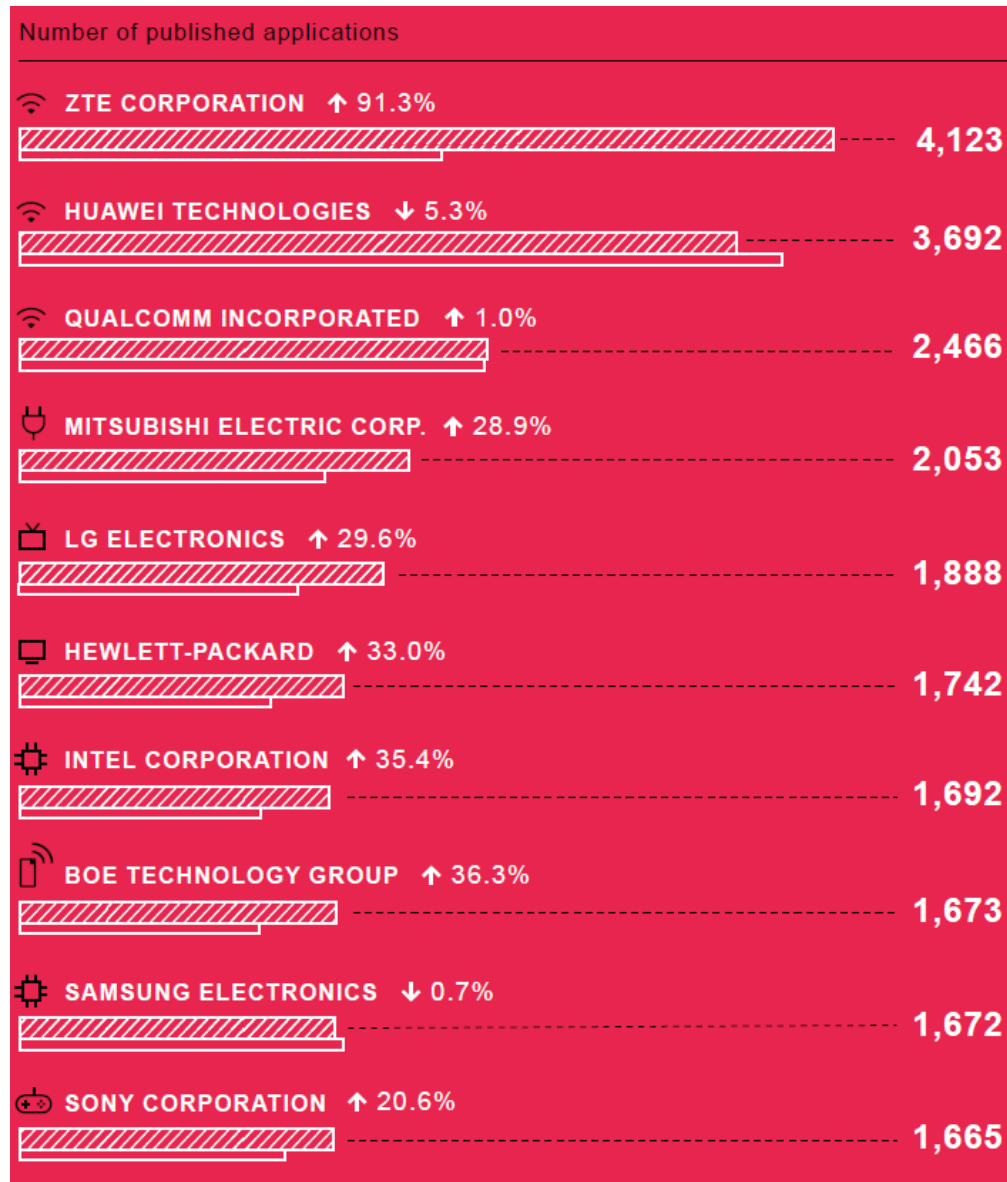
233,000 international applications in 2016 (+ 7.3 %)

International applications received in 2016 by country of origin

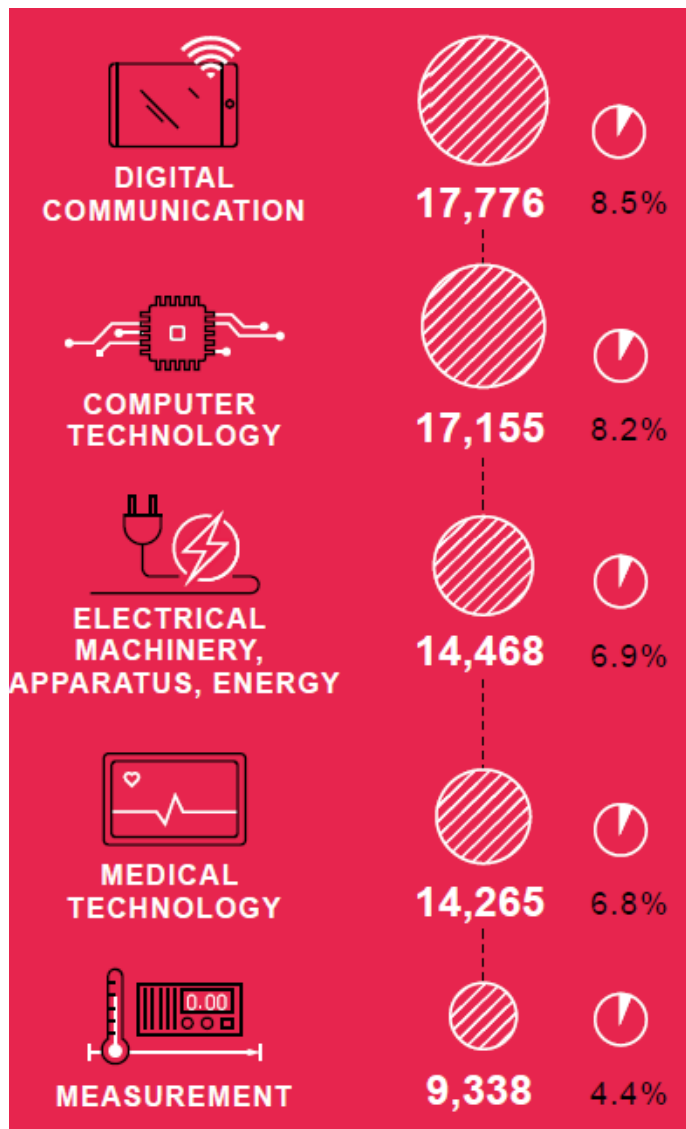


Number of applications and share of total 

Top 10 PCT Applicants (2016)

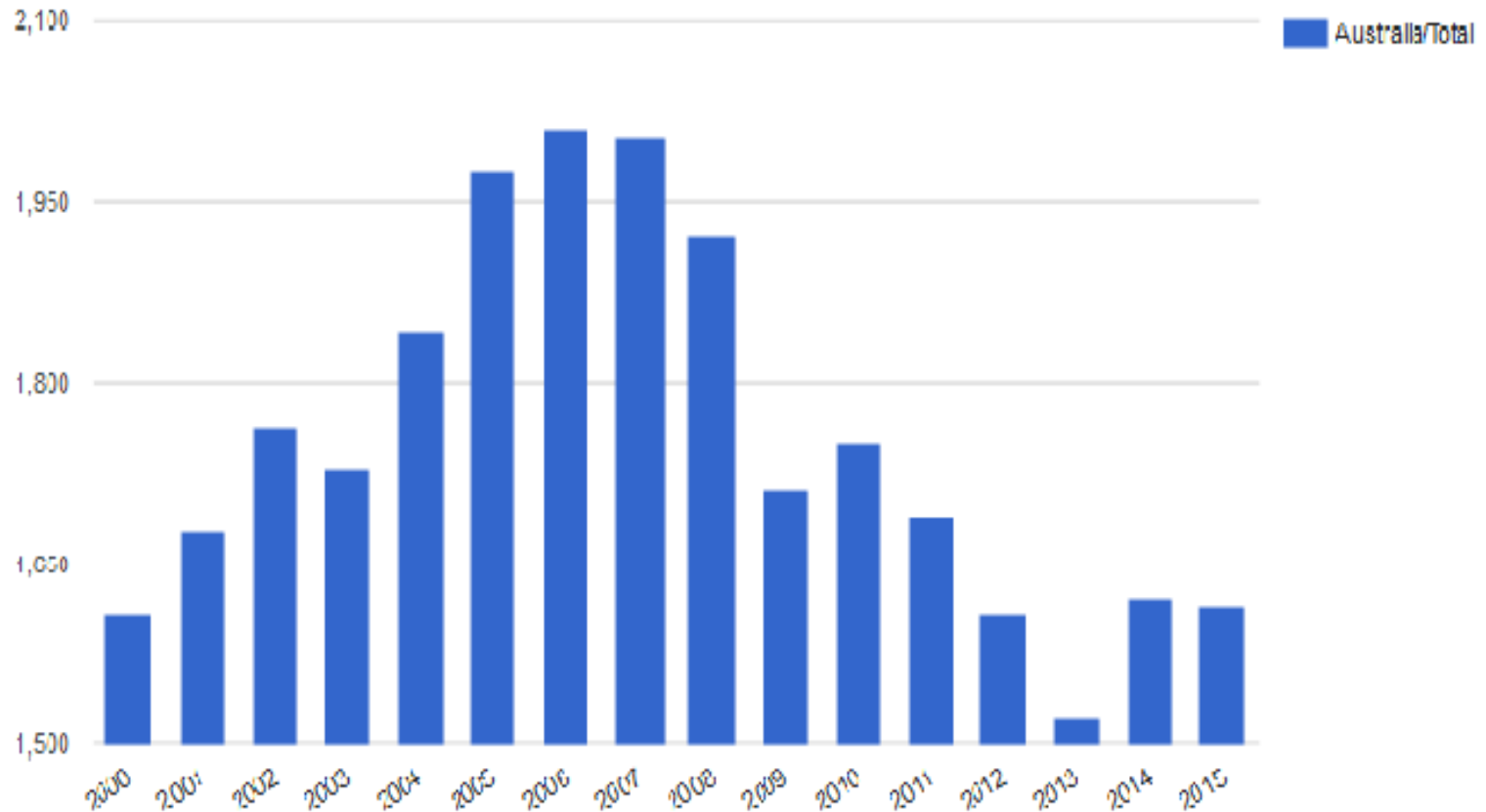


Top 5 Fields of Technology(2016)



Number of published applications and share of total

PCT use in AU



- PCT Member since 1980
- **1,615** PCT applications filed by AU applicants in 2015 with RO/AU

Top PCT applicants by educational institution (2016)

2016 Ranking	Position Changed	Applicant's Name	Origin	Published PCT	
				2015	2016
35	15	UNIVERSITY OF CALIFORNIA	United States of America	361	434
83	8	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	United States of America	213	236
119	10	HARVARD UNIVERSITY	United States of America	158	162
125	-11	JOHNS HOPKINS UNIVERSITY	United States of America	170	158
133	-12	UNIVERSITY OF TEXAS SYSTEM	United States of America	163	152
172	63	SEOUL NATIONAL UNIVERSITY	Republic of Korea	95	122
198	25	UNIVERSITY OF TOKYO	Japan	101	108
207	22	LELAND STANFORD JUNIOR UNIVERSITY	United States of America	99	104
220	118	HANYANG UNIVERSITY	Republic of Korea	68	101
232	-23	UNIVERSITY OF FLORIDA	United States of America	108	97

Top PCT AU Applicants 2015

Applicant	Publication	Rank
COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION	35	623
MONASH UNIVERSITY	23	919
RESMED LIMITED	23	919
UNIVERSITY OF QUEENSLAND	23	919
UNIVERSITY OF SYDNEY	20	1035
ANSELL LIMITED	17	1210
NEWSOUTH INNOVATIONS PTY LIMITED	15	1366
UNIVERSITY OF SOUTH AUSTRALIA	15	1366
BREVILLE PTY LIMITED	14	1466
COCHLEAR LIMITED	14	1466

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

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. 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.”

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. harmonizes formal requirements
2. 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

Restoration of the right of priority - Competent Authorities

- RO during the international phase
(Rule 26*bis*.3)
- DO during the national phase
(Rule 49*ter*.2)

Restoration of the right of priority

Applicable criteria

- Applicable Rules: 26*bis*.3(a) and 49*ter*.2(a)
- Two possible criteria for restoration:
 - failure to file the application within the priority period occurred in spite of due care required by the circumstances having been taken
 - failure to file the application within the priority period was unintentional
- All Offices must apply at least one of these criteria and may apply both; designated Offices may also apply a more favorable criterion in accordance with their national law

Restoration by RO (Rule 26*bis*.3)

■ Conditions:

- request to restore must be filed with the RO
- time limit: within a period of 2 months from the date of the expiration of the priority period
- filing of statement of reasons for failure to comply with the time limit
- statement should preferably be accompanied by a declaration or other evidence to support such statement
- where applicable, payment of the required fee

Effects of restoration in the national phase (Rule 49*ter.1*)

- Effect of restoration by RO in the national phase:
 - RO restoration based on the “due care” criterion is effective in all DOs
 - RO restoration based on the “unintentional” criterion is effective in those DOs which apply that criterion (or a more lenient one)
 - RO restoration is not conclusively binding on DOs: limited review by DOs is possible
 - RO refusal to restore is not binding on DOs
- For declarations of incompatibility with the national law (reservations), see the WIPO website at:
www.wipo.int/pct/en/texts/reservations/res_incomp.html

Missing elements and parts of the international application (Rule 20) (1)

- Objective: Enable inclusion of accidentally omitted elements or parts that are contained in a priority application without affecting the international filing date
 - element = all of the description or all of the claims
 - part = part of the description, part of claims or part or all of pages of drawings

Missing elements and parts of the international application (Rule 20) (2)

■ Conditions:

- priority must have been claimed on the original filing date (Rule 4.18)
- priority application contains the element or part (Rule 20.6(b))
- request contains statement of (conditional) incorporation by reference (Rule 4.18)
- timely confirmation of incorporation by reference (Rules 20.6 and 20.7)

■ Competent Authority: RO

Confirmation of incorporation by reference (Rules 20.6 and 20.7) (1)

- Time limit: two months from filing or from invitation to correct (Rule 20.7)
- Documents to be filed (Rule 20.6):
 - notice of confirmation
 - missing sheets
 - copy of the earlier application as filed unless the priority document already submitted
 - translation if not in the language of the international application
 - indicate where in the priority document (and translation) missing parts are contained

Reinstatement of rights by DO/EOs (Rule 49.6) (1)

- Available in certain DO/EOs, where the applicant has missed the time limit under Article 22 or 39(1) to enter the national phase:
 - unintentionally
 - *or - at the option of the Office -*
 - in spite of due care required by the circumstances

Reinstatement of rights by DO/EOs (Rule 49.6) (2)

- Applicants may submit a request for reinstatement and enter the national phase within:
 - 2 months from the date of removal of the cause of the failure to meet the time limit to enter national phase; or
 - 12 months from the date of expiration of the time limit to enter national phase;
 - whichever period expires first

DO/EOs to which Rule 49.6 does not apply

- Notifications of incompatibility with respective national law were filed in accordance with Rule 49.6(f):

CA	Canada	LV	Latvia
CN	China	MX	Mexico
DE	Germany	NZ	New Zealand
IN	India	PH	Philippines
KR	Republic of Korea	PL	Poland

- The national law applicable by some of these Offices may nevertheless provide for other forms of protection against loss of rights - for further details, see for each DO/EO, the relevant National Chapter in the *PCT Applicant's Guide*, National Phase

PCT Advantages (5)

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

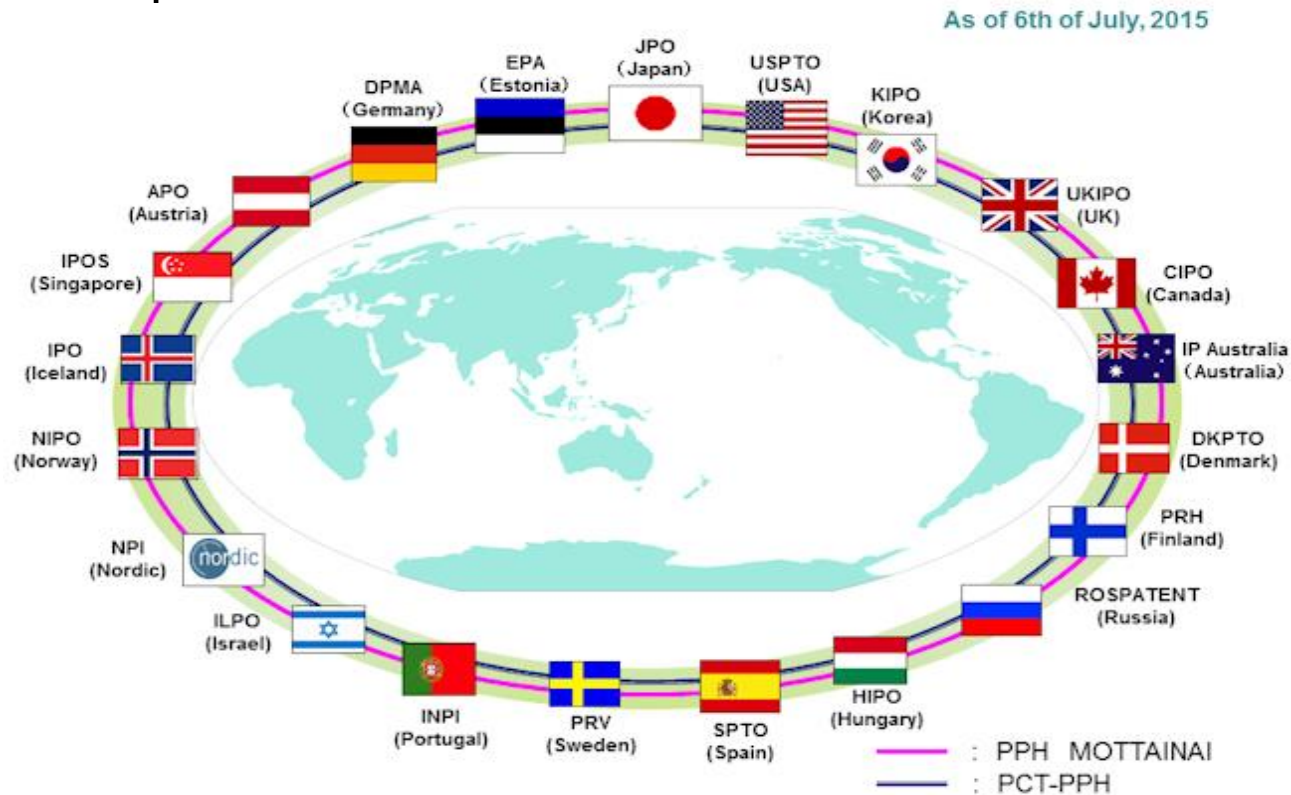
1. harmonizes formal requirements
2. protects applicant from certain inadvertent errors
3. can result (if PCT reports are positive) in accelerated national phase processing (PCT-PPH)

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

Work-Sharing under the PCT

- Patent Prosecution Highway (PPH)
- 112 PCT-PPH pathways for applicants to obtain fast track examination procedure



As of 1st of July 2016



*: GPPH-participating offices

What's new?

- ePCT
- PATENTSCOPE
- WIPO Pearl
- Licensing Availability
- Third Party Observations
- PCT Training Options
- PCT Highlights

ePCT – a paperless environment

- WIPO online portal that provides e-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
- 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>

ePCT – Big Picture



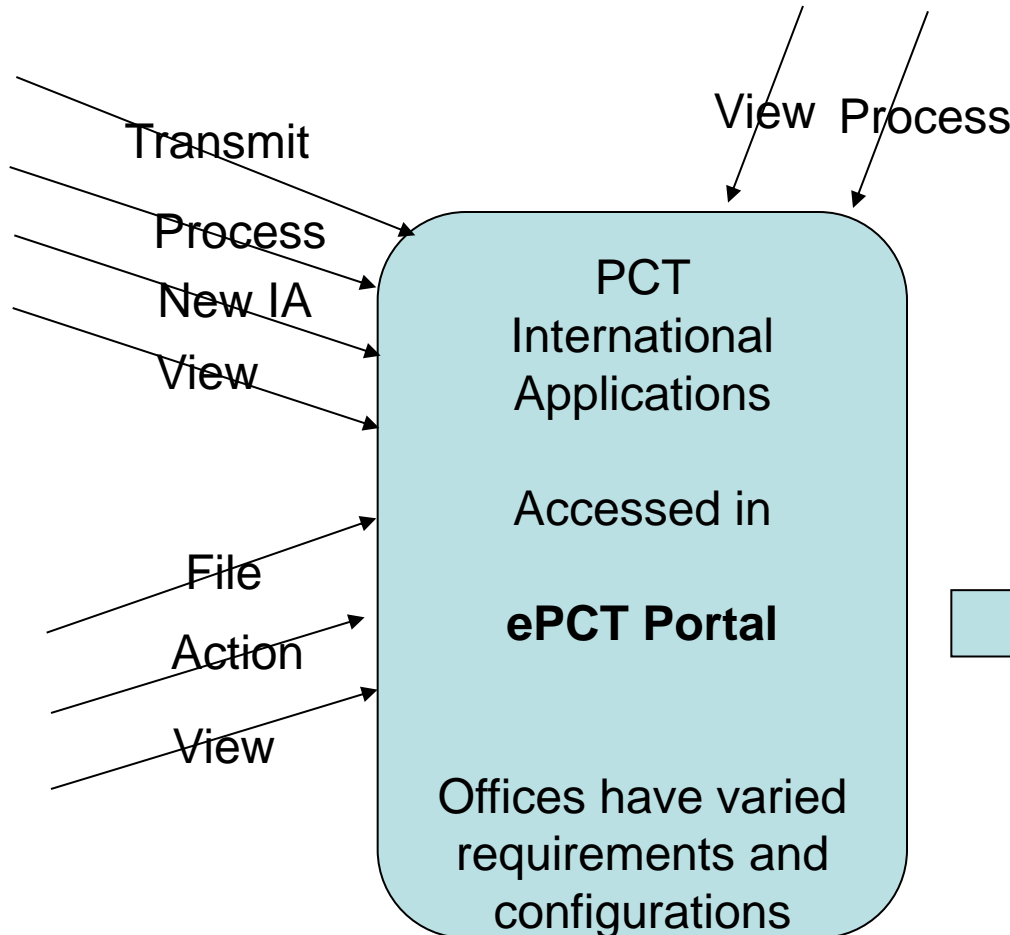
IB/ISA Officer



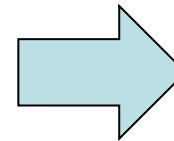
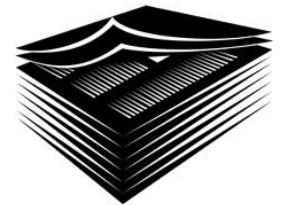
RO Officer



Applicant



Published IAs for
National Phase entry



Future Developments

- Ongoing extension of ePCT-Filing to other receiving Offices
- Support alternative filing methods in ePCT-Filing (e.g., filing package)
- Extend the online payment function to other types of fees for the IB (post-filing)
- Complete redesign of the ePCT “look and feel”
 - New interface and improved workflow
 - Alternatives to digital certificates for authentication
- User documentation/online help in other languages

PATENTSCOPE



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Simple Search

Using PATENTSCOPE you can search 57 million patent documents including 2.9 million published international patent applications (PCT). Detailed coverage information can be found here ([->](#))

Front Page



Office: All

PCT Publication 22/2016 (2016/06/02) is now available. The next publication date is scheduled as follows: Gazette number 23/2016 (2016/06/09). [More](#)

<https://patentscope.wipo.int>

National/regional collections

VS

national phase

Offices for which PCT national phase information is available in PATENTSCOPE Search Service

Where information is displayed for an office, this indicates that the applicant has requested national phase processing for the application concerned in that office. The national entry date and national reference number are supplied by the national office concerned and can be used to retrieve further details from that office, if desired. The information is updated at different frequencies, depending on the office. Therefore, absence of information for a given office does not necessarily indicate a non-entry in that office. The information displayed on the National Phase Tab is based on data supplied to WIPO by the following national patent offices:

Updated: September 19, 2015

<https://patentscope.wipo.int/search/en/nationalphase.jsf>

United States			
African Regional Intellectual Property Organization	April 30, 1998	August 6, 2008	1,076
Austria	November 28, 1980	November 30, 2011	3,178
Australia	December 5, 1997	October 30, 2015	287,698
Bulgaria	January 6, 2004	December 19, 2007	241
Belarus	February 7, 2007	June 15, 2007	31
Belize	November 13, 2002	February 9, 2007	103
Canada	January 23, 1992	May 25, 2015	503,006
Switzerland	July 8, 2008	October 2, 2015	414
China	July 4, 1995	December 20, 2012	595,797
Cuba	November 3, 2009	June 24, 2011	287
Czech Republic	November 9, 1990	November 18, 2014	27,913
Germany	November 20, 1980	April 29, 2011	108,126

WIPO Pearl



PATENTSCOPE

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Search International and National Patent Collections

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WIPO Translate

WIPO Pearl

Simple Search

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Front Page

electrical bicycle

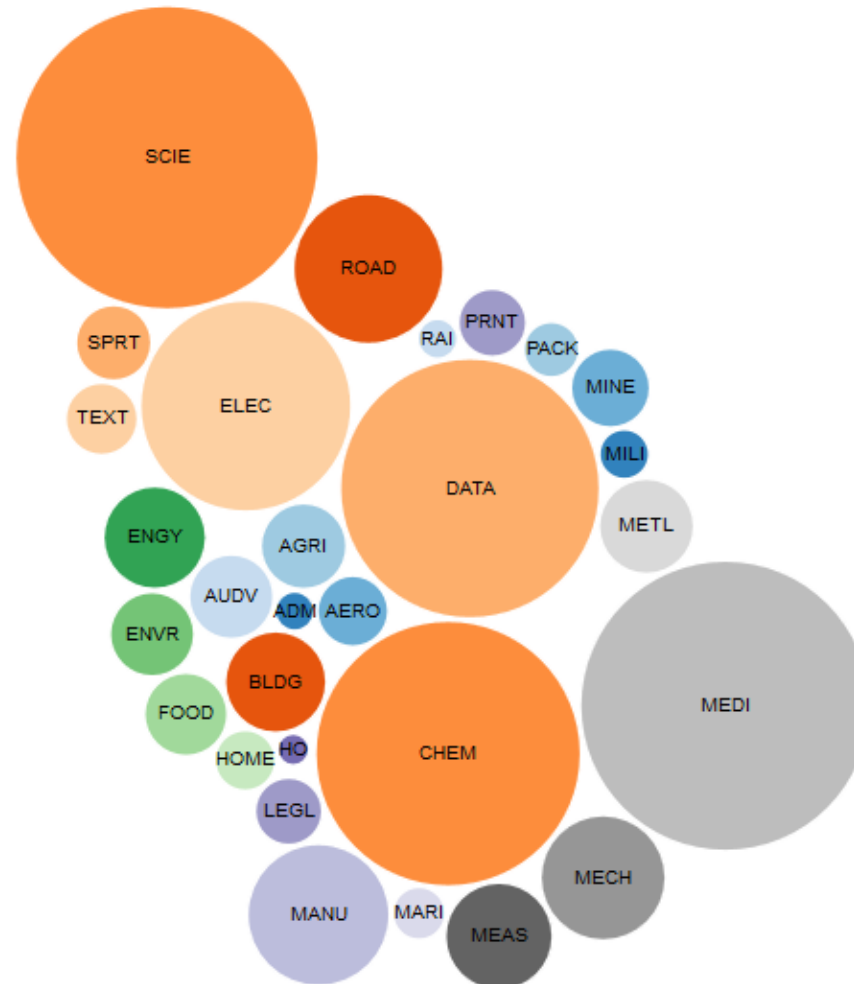
Office: All

Search

PCT Publication 25/2016 (2016/06/23) is now available. The next publication date is scheduled as follows: Gazette number 26/2016 (2016/06/30). [More](#)

WIPO Pearl

<http://www.wipo.int/wipopearl/search/home.html>




WIPO Pearl













- WIPO's online terminology database
- 17'000 concepts, 115'000 terms
- 10 languages
- Contents validated by WIPO language experts and terminologists

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

Interface : Field Combination - Structured

Field Combination 

	Front Page	=	<input type="text"/>	
AND	WIPO Publication Number	=	<input type="text"/>	
AND	Application Number	=	<input type="text"/>	
AND	Publication Date	=	<input type="text"/>	
AND	English Title	=	<input type="text"/>	
AND	English Abstract	=	<input type="text"/>	
AND	Applicant Name	=	<input type="text"/>	
AND	International Class	=	<input type="text"/>	
AND	Inventor Name	=	<input type="text"/>	
AND	Office Code	=	<input type="text"/>	
AND	English Description	=	<input type="text"/>	
AND	English Claims	=	<input type="text"/>	
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	

Language: English Stem: Office: All [Specify](#) ↔

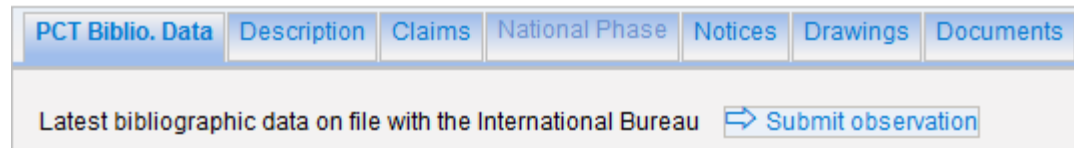
0 results

[\(+\)](#) Add another search field | [\(-\)](#) Reset search fields [Tooltip Help](#)

Additional search fields can be selected

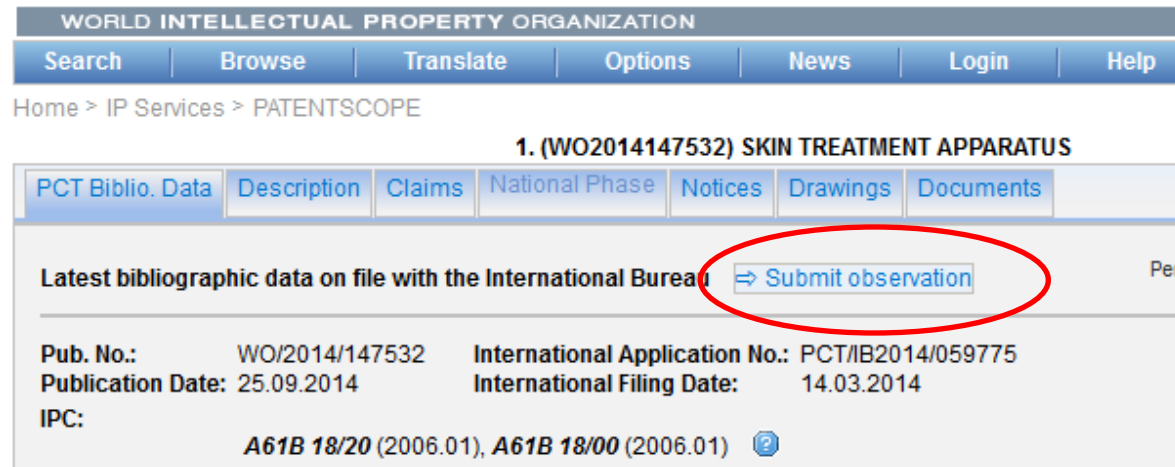
Third Party Observations

- 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



Third Party Observations

- The Third Party Observation system enables applicants and third parties to submit observations for use by examining Offices
- Accessible through PatentScope



The screenshot displays the WIPO PatentScope interface for the patent entry '1. (WO2014147532) SKIN TREATMENT APPARATUS'. The top navigation bar includes 'Search', 'Browse', 'Translate', 'Options', 'News', 'Login', and 'Help'. Below this, the breadcrumb path is 'Home > IP Services > PATENTSCOPE'. The main content area features a tabbed interface with 'PCT Biblio. Data', 'Description', 'Claims', 'National Phase', 'Notices', 'Drawings', and 'Documents'. The 'PCT Biblio. Data' tab is active, showing the text 'Latest bibliographic data on file with the International Bureau' followed by a blue button labeled '⇒ Submit observation', which is circled in red. Below this, the publication details are listed: 'Pub. No.: WO/2014/147532', 'International Application No.: PCT/IB2014/059775', 'Publication Date: 25.09.2014', and 'International Filing Date: 14.03.2014'. The IPC classification is 'A61B 18/20 (2006.01), A61B 18/00 (2006.01)' with a help icon.

- Accessible through ePCT

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 (each Fall)

PCT Highlights

- High-level summary of recent and future developments in the PCT, with hyperlinks to more detailed information, databases, videos, etc.
- Targeted, in particular, at managers and attorneys
- Possibility to subscribe to the PCT Highlights mailing list for update notifications
- <http://www.wipo.int/pct/en/highlights/index.html>

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



Thank you!

Anjali Aeri
Program Officer
PCT International Cooperation Division
+ 41 22 338 70 66
anjali.aeri@wipo.int

Resolving IP Disputes outside the Courts through WIPO ADR

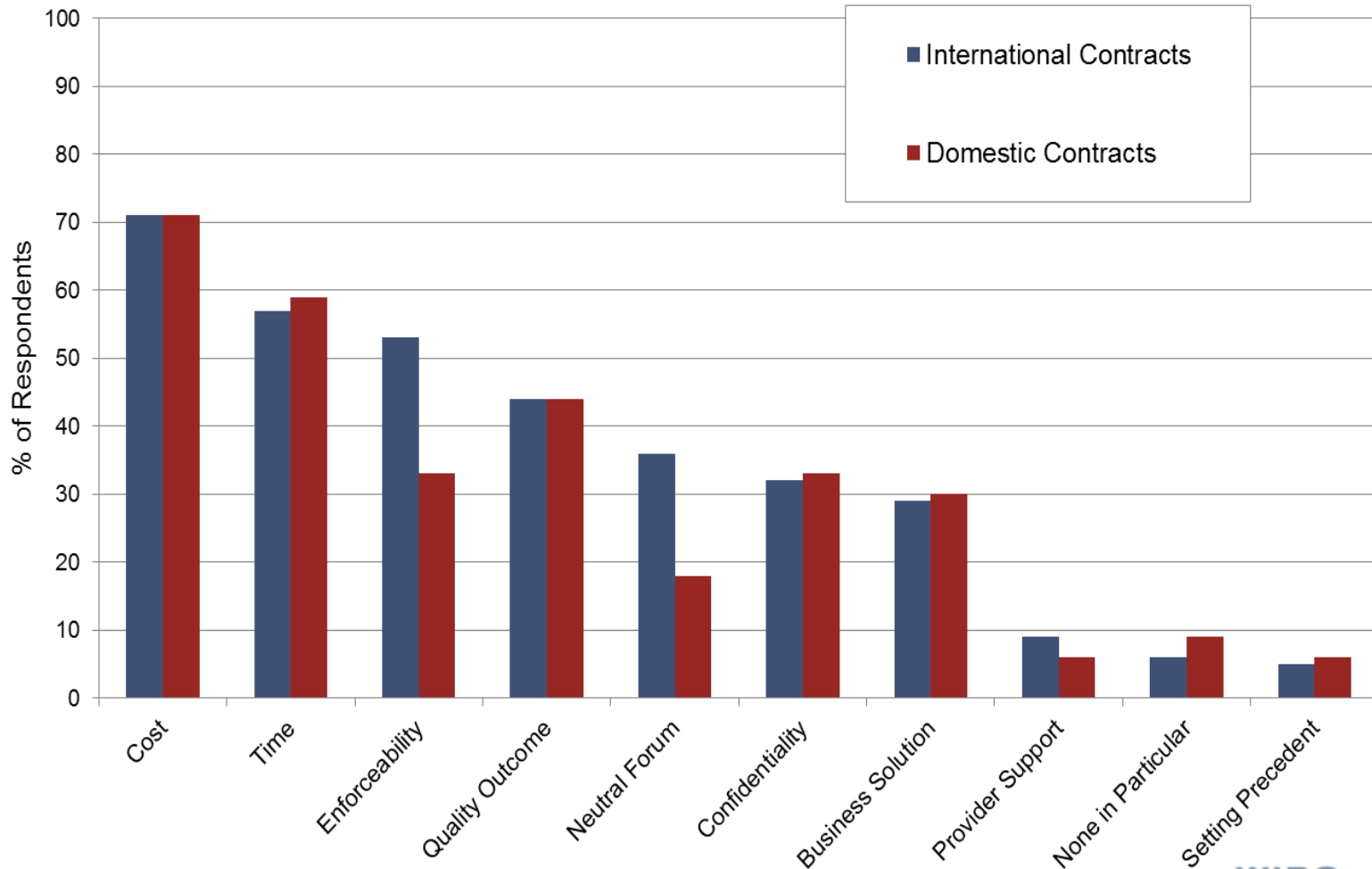


Speaker : Victor Vázquez López, Head, Section for Coordination of Developed Countries

Sydney, Australia

March 20, 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

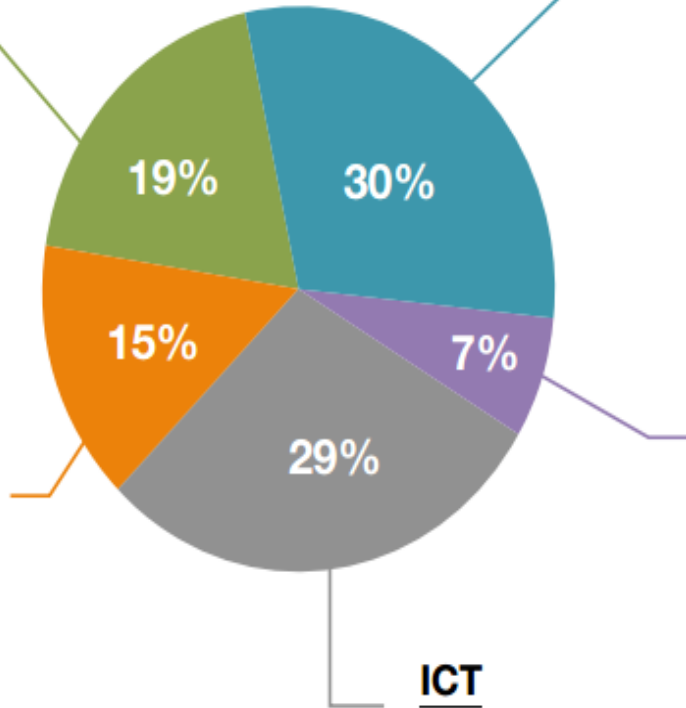
Art
Broadcasting
Entertainment
Film and Media
Infringements
TV Formats

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

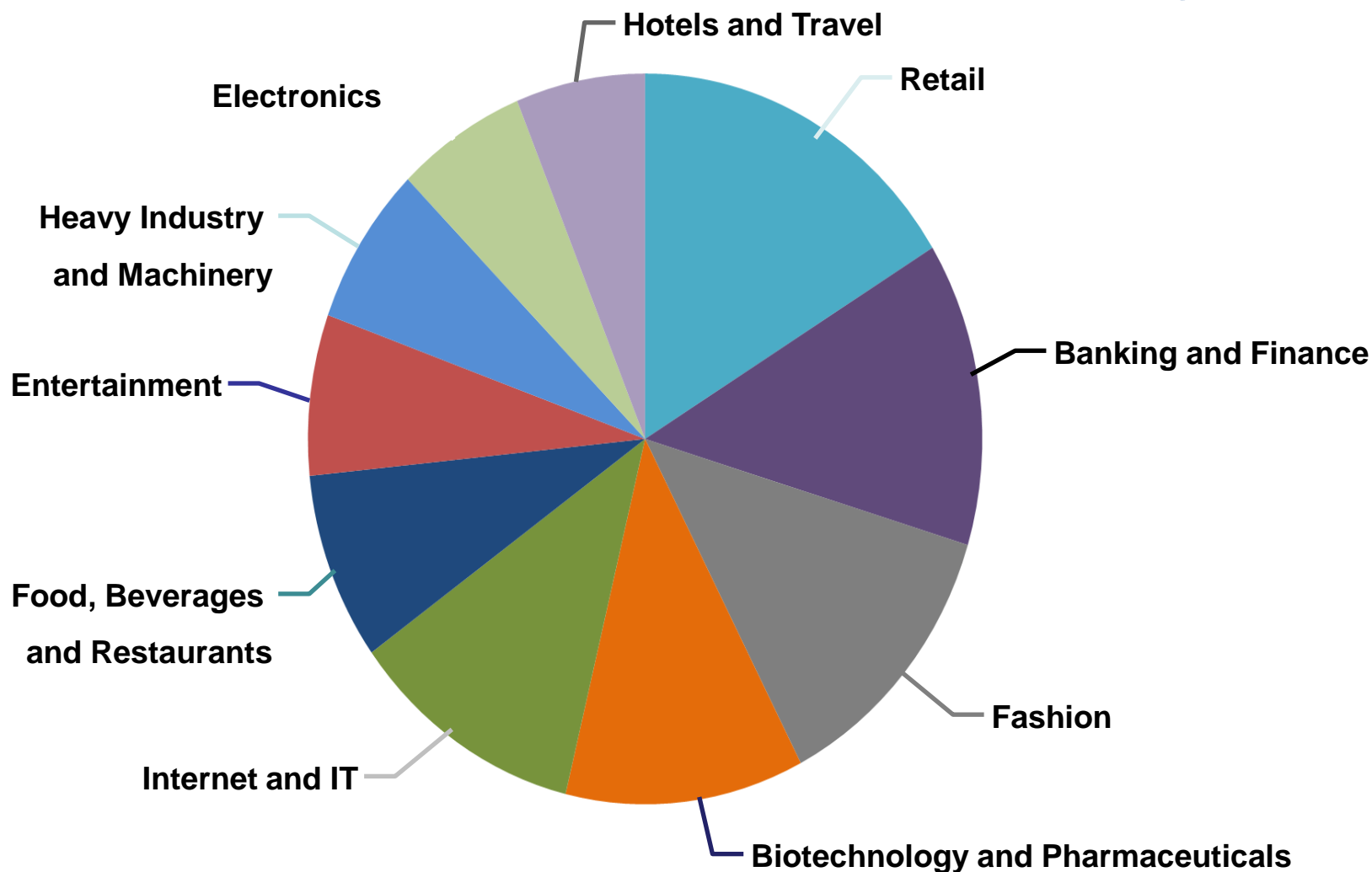
WIPO Services for Trademark Owners Against Cybersquatting

- 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

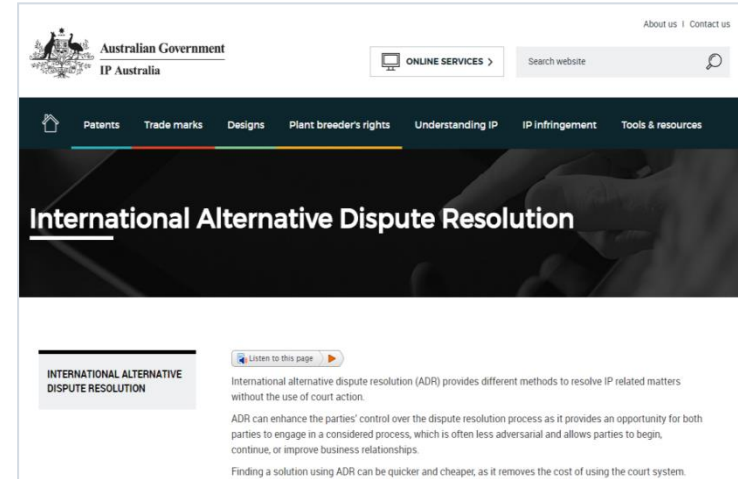


WIPO Mediation Example: IT Dispute

- 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

WIPO Center-IP Australia Collaboration

- Since 2017, new initiative to provide WIPO ADR services online
 - High quality videoconferencing facilities
 - Use of WIPO Electronic Case Facility (ECAF) – online case docket
- Case administration
 - Parties agree on appointment of mediator, arbitrator or expert, or
 - Parties may request assistance from WIPO Center to identify suitable candidates, Australia-based or globally
- Parties free to decide where any meetings or hearings will take place
- Model clauses online: <http://www.wipo.int/amc/en/clauses/>
- Inquiries: arbiter.mail@wipo.int



WIPO Domain Name Disputes: Australia

- WIPO Center-auDA collaboration
 - WIPO administers cases under .au Dispute Resolution Policy (auDRP) since 2001 (updated in 2016)
- 600+ domain name disputes (UDRP + auDRP) filed by Australian complainants
 - Filing parties have included ANZ, BHP Billiton, Billabong, Commonwealth Bank of Australia, Qantas Airways Limited, Telstra, Westfarmers, Woolworths Limited
- 30+ Australian Domain Name Panelists

Further Information on WIPO ADR Services

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

International Registration System of Marks, Madrid – Management and Maintenance of the International Registration



Matthew Forno

Senior Counsellor, Information and Promotion Division, Madrid Registry

**Sydney, Australia
20 March 2017**

Protection Options

- The national route - file trademark application/s with the IP Office of each country in which you want protection
- The regional route - apply through a regional trademark registration system with effect in all member states (ARIPO, Benelux Office for IP, EUIPO and OAPI)
- The international route - file through the Madrid System

The International Route

The Madrid System may be preferred 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 a centralized filing and management procedure
- 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

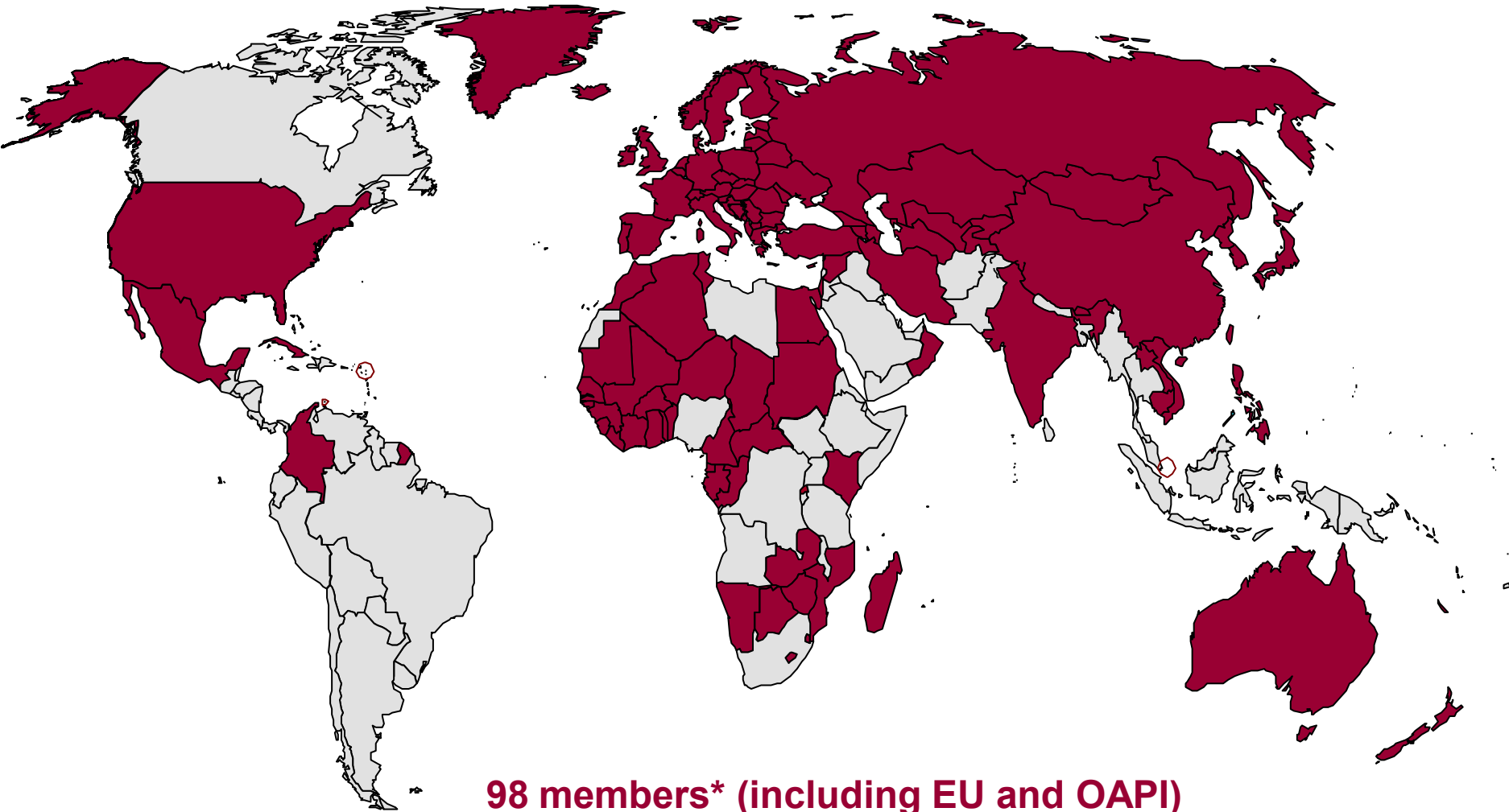
The Madrid System is Cost-effective

- File an international application, which 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 Geographic Coverage

- Currently: 114 countries covered by the 98 members
- Markets that represent more than 80% of world trade
- Recent accessions include:
 - 2013: India, Rwanda and Tunisia
 - 2014: OAPI and Zimbabwe
 - 2015: Algeria, Cambodia, The Gambia and
Lao People's Democratic Republic
 - 2016: Brunei Darussalam

Members of the Madrid System



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

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



Accession Outlook - 2017/19

■ Africa

- Malawi
- Mauritius
- South Africa

■ Arab Countries

- Jordan
- Saudi Arabia

■ Asian

- Malaysia
- Sri Lanka
- Thailand
- Indonesia

■ Latin America & the Caribbean

- Brazil
- El Salvador
- Trinidad and Tobago

■ North America

- Canada

How the Madrid System Works

The International Trademark Registration Process



Stage 1

Application through your Office of origin

- To be entitled to use the Madrid System, you must:
 - Have a real and effective industrial or commercial establishment in, or
 - Be domiciled in, or
 - Be a national of a member of the Madrid System
- Before filing an international application, you need to have registered or filed an application (**basic mark**) in your Office of origin
- Submit an **international application** through this same IP Office, which will certify and forward it to WIPO

Stage 2

Formal examination by WIPO

- WIPO conducts a **formalities examination**
- Once requirements have been met, the mark is **recorded in the International Register**
- WIPO sends a **certificate of international registration** to the holder and notifies the IP Offices, of the **designated Contracting Parties**, in which protection is sought
- The scope of protection is not known at this stage. It is only determined **after substantive examination** and decision by the IP Offices, as outlined in Stage 3

Stage 3

Substantive examination by IP Offices (Office of the designated Contracting Party)

- IP Offices make a **decision within 12 or 18 months** in accordance with their legislation. WIPO records the decisions and notifies you
- If an IP Office refuses to protect your mark, it will not affect the decisions of other offices. You can contest a refusal decision before the IP Office concerned
- If an IP Office accepts to protect your mark, it will issue **statement of grant of protection**
- The international registration is **valid for 10 years**. Renew directly with WIPO with effect in the designated Contracting Parties

Costs

Fees are payable to WIPO in Swiss francs

- Basic fee*, which 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

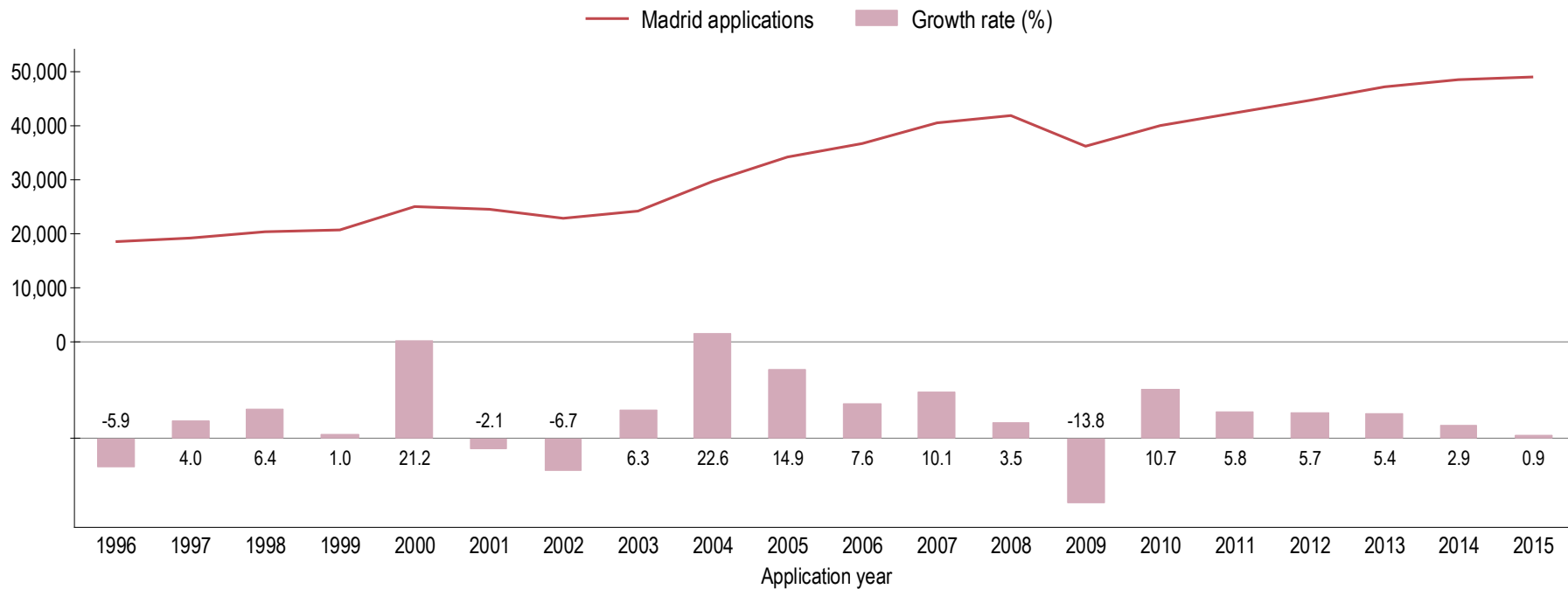
* Applicants from [Least Developed Countries](#) benefit from a 90% reduction in the basic fee

Madrid System : Key Figures

Description	Number
International registrations	44,726
Renewals	29,218
Active international registrations	634,600
Active designations in international registrations	5,714,909
Overall Madrid share (non-resident trademark filing, Madrid members only)	63%

International Applications

Figure A.1.1 Trend in international applications

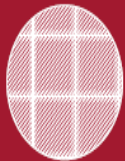


Top Five Classes

Number of classes specified in international applications
and share of total



**COMPUTERS
AND ELECTRONICS**



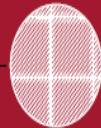
12,748



9.4%



**SERVICES
FOR BUSINESS**



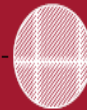
10,265



7.6%



**TECHNOLOGICAL
SERVICES**



8,114



6.0%



**LEISURE, EDUCATION
AND TRAINING
SERVICES**



6,253



4.6%



CLOTHING



5,870

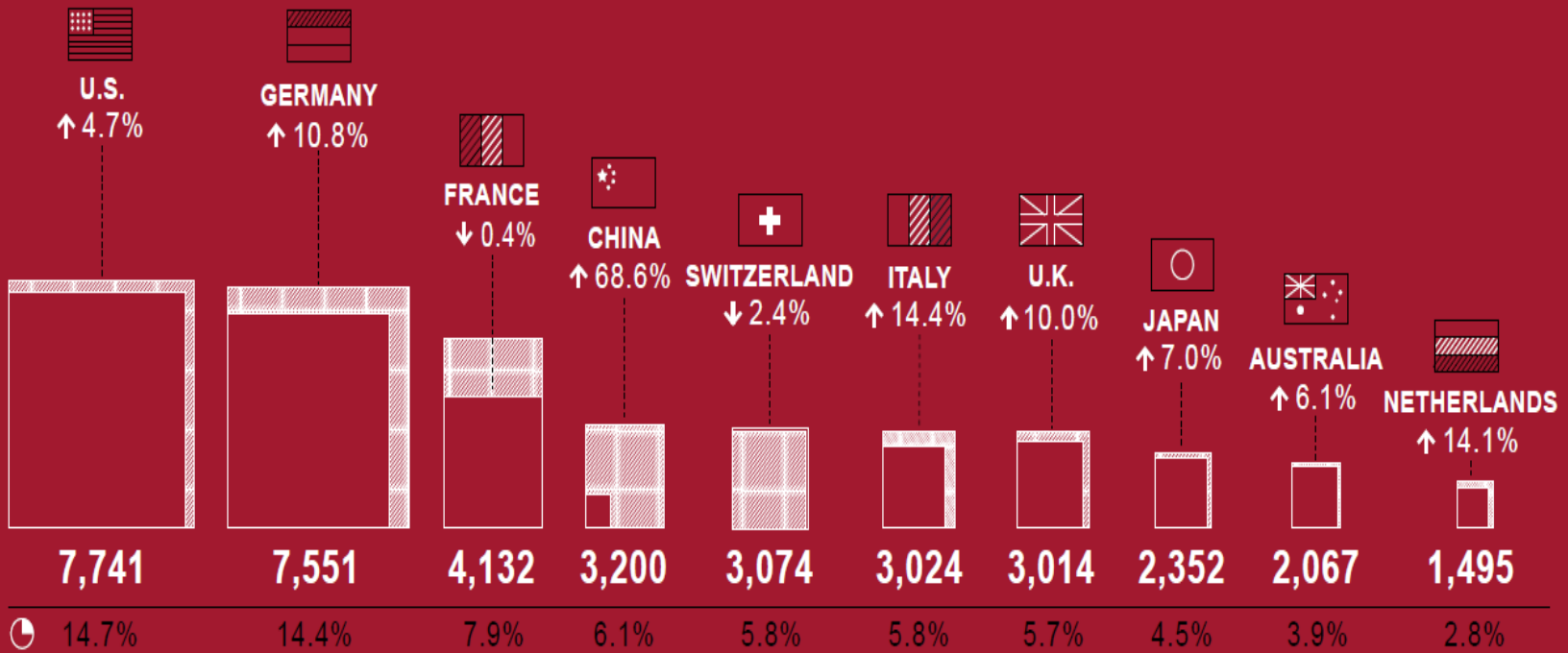


4.3%

Top Ten Countries

Number of applications and share of total

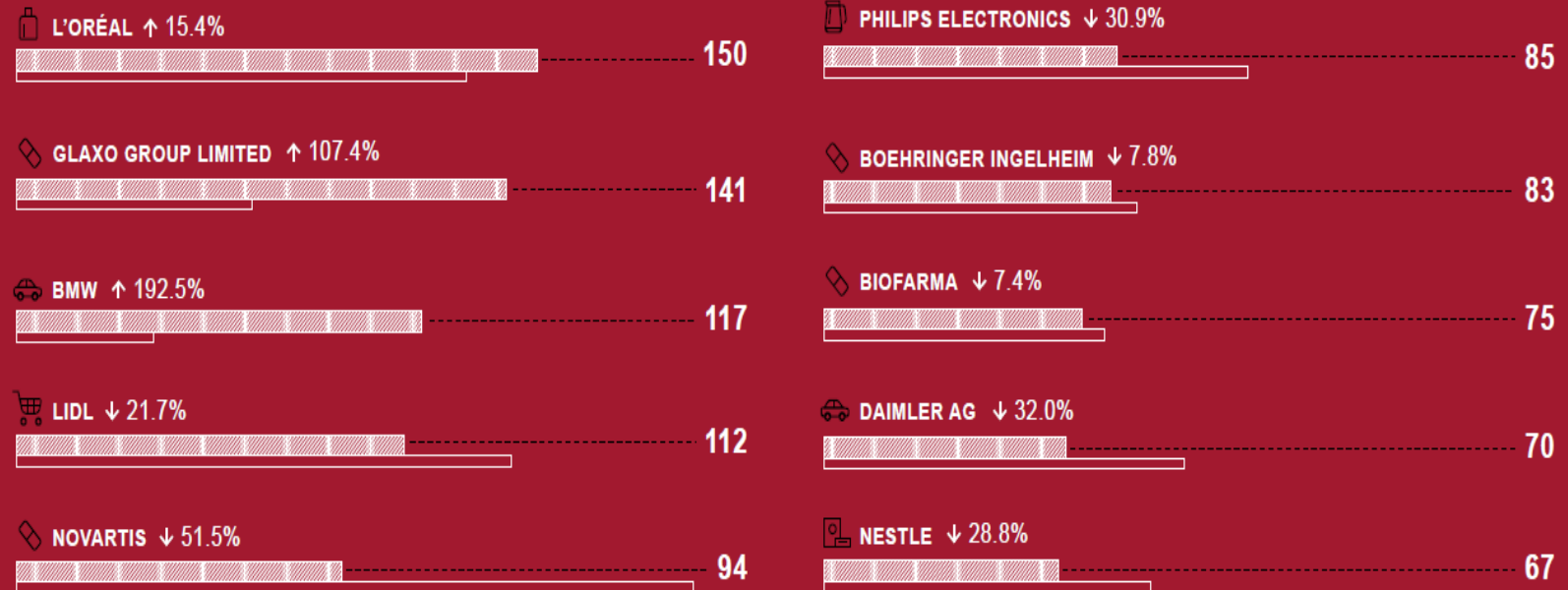
□ 2015 ■ 2016 ↑ Change in totals



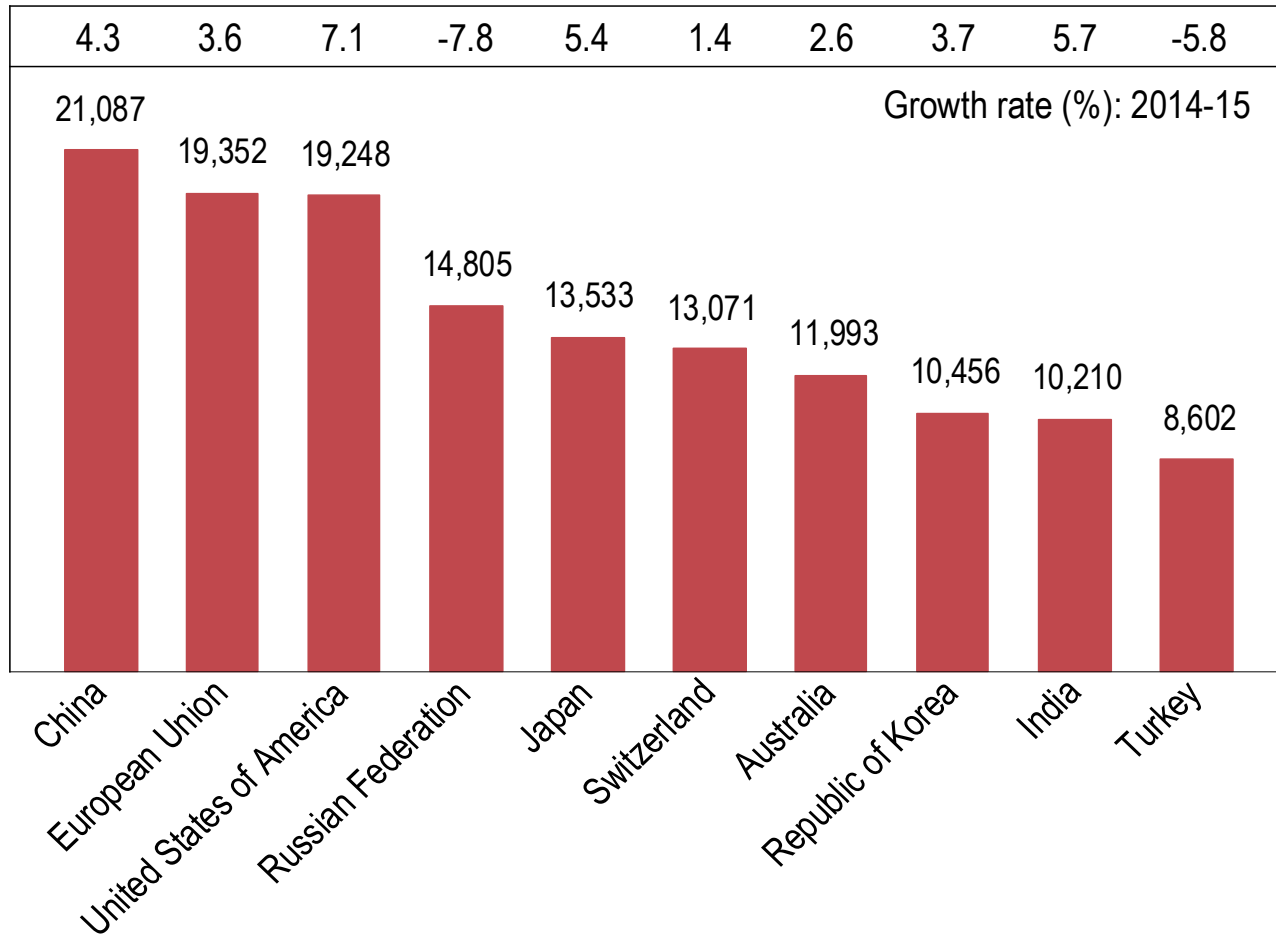
Top Ten Applicants

Number of Madrid applications

□ 2015 ■ 2016 ↑ Change in totals



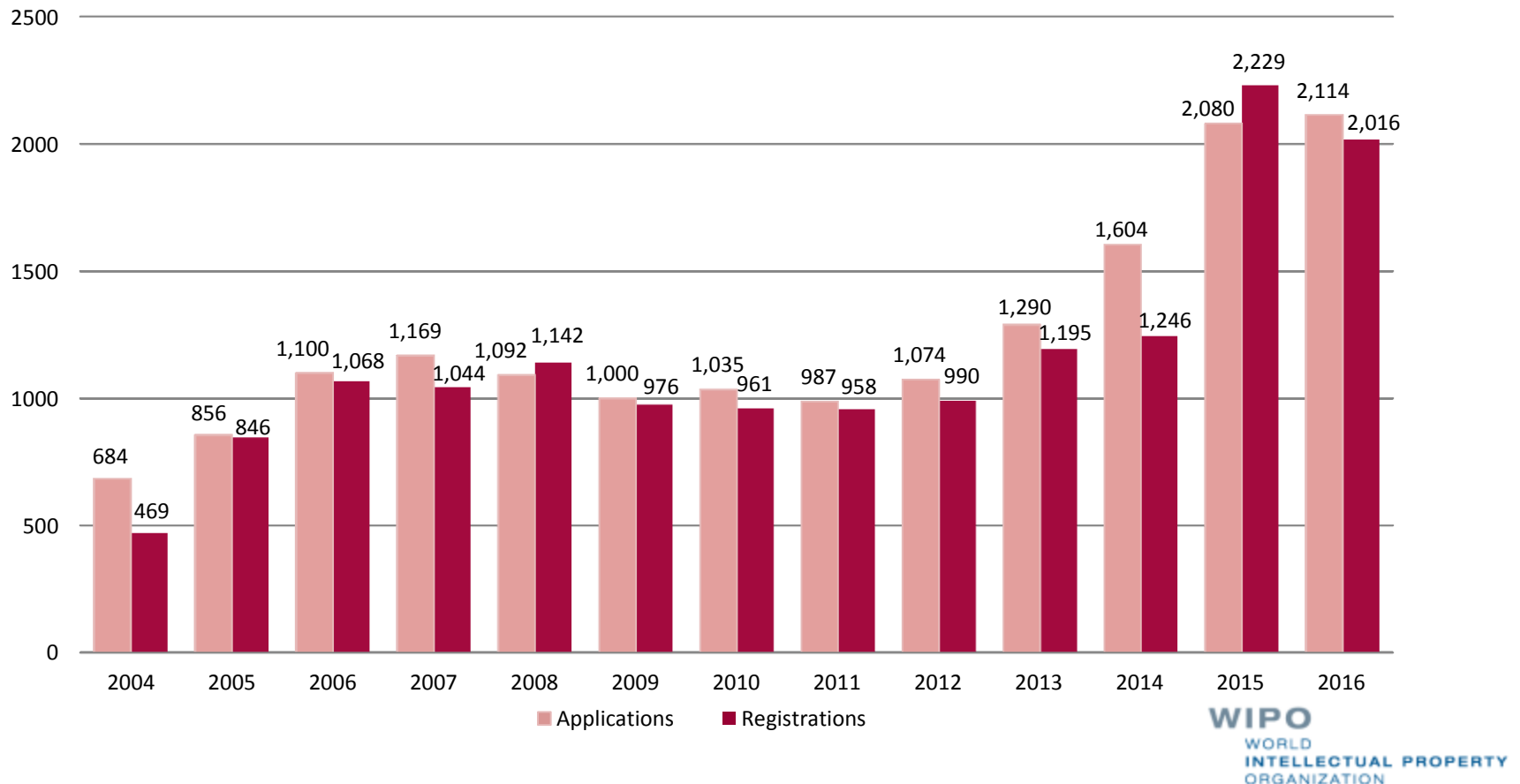
Top Designated Contracting Parties



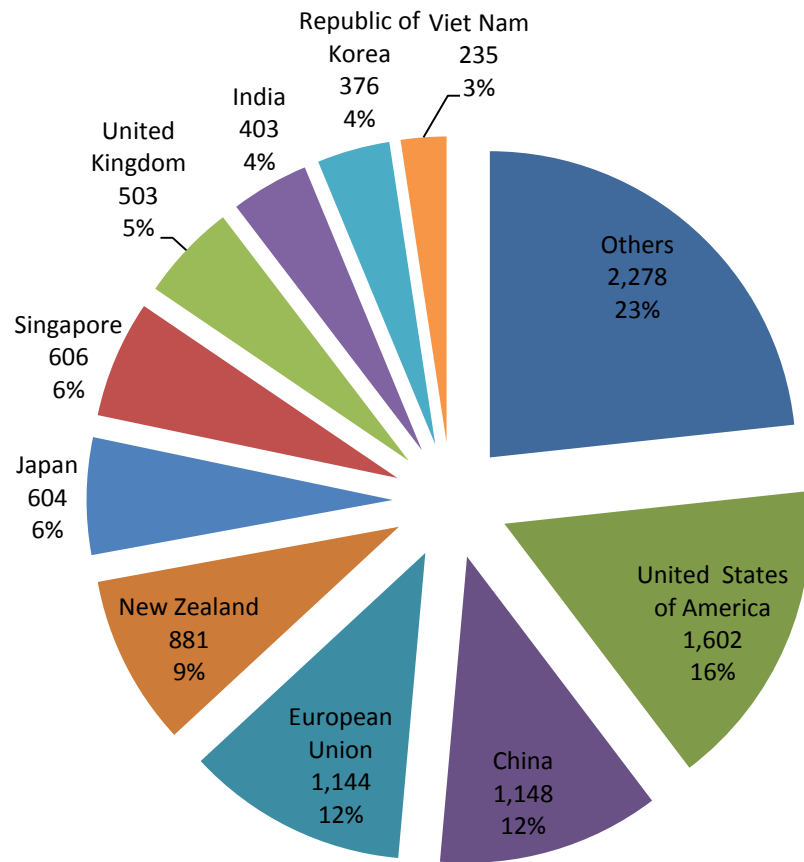
Madrid member

International Applications and Registrations: Australia

International Applications and Registrations by Office of Origin:
Australia



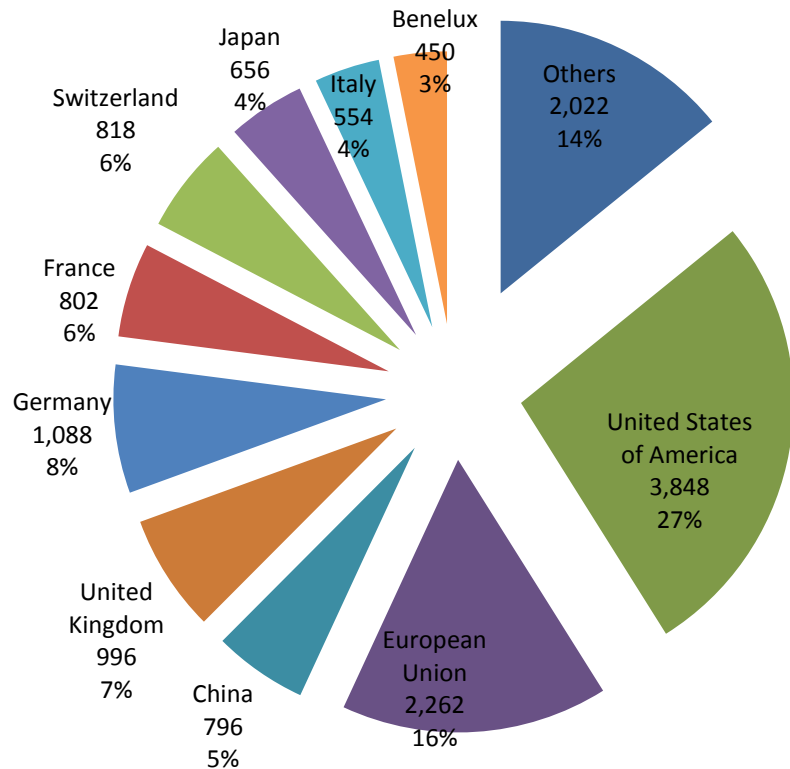
Top 10 Designated Madrid Members by Australian Holders



Designations in International Registrations and Subsequent Designations by designated Contracting Parties, Country of Holder: Australia (2015)

Designations of Australia by Madrid Members

Designations of Australia in International Registrations and Subsequent Designations by Country of Holder (2015)



Online Resources and E-Services

- The Madrid Website provides information on how to [search before filing](#), [file an application](#) and how to monitor and [manage your registration](#).
- [Madrid E-Services](#) are available to assist you at each stage of your mark's lifecycle:

Online Resources and E-Services

search

file

monitor

manage

Global Brand Database

- search existing marks from national & international sources
- trademarks, appellations of origin and emblems

Madrid Goods & Services Manager

- compile a list of approved goods & services terms in 18 languages

Member Profiles Database

Madrid Monitor

- track real-time status of registration
- watch competitors' marks
- e-alerts
- consult the WIPO Gazette

Madrid Portfolio Manager

- access documents
- request changes
- designate, modify & renew
- pay fees
- obtain extracts

Developments

- New IT platform – Madrid International Registrations Information System (MIRIS)
- Legal developments: Rules Changes and Madrid System Working Group/Roundtable
- Classification Guidelines
- WIPO Current Account

Legal Developments

Amendments to the Common Regulations

Madrid System Working Group - WG (June 19 to 22, 2017)

- Possible simplification of the replacement procedure
- Analysis of responsibility in examining limitations
(roles of the Office of Origin and Office of the dCPs)

Madrid System Roundtable (June 19 to 22, 2017)

- Classification guidelines
- Correspondence of marks – Questionnaire

Classification Guidelines

- Purpose - to decrease irregularities
- Describes the classification practices at WIPO
- Divided into three sections:
 - General information - Nice Classification and Madrid
 - Classification principles applied by WIPO
 - Practical information on the acceptable format to list indications of goods and services

WIPO Current Account Changes

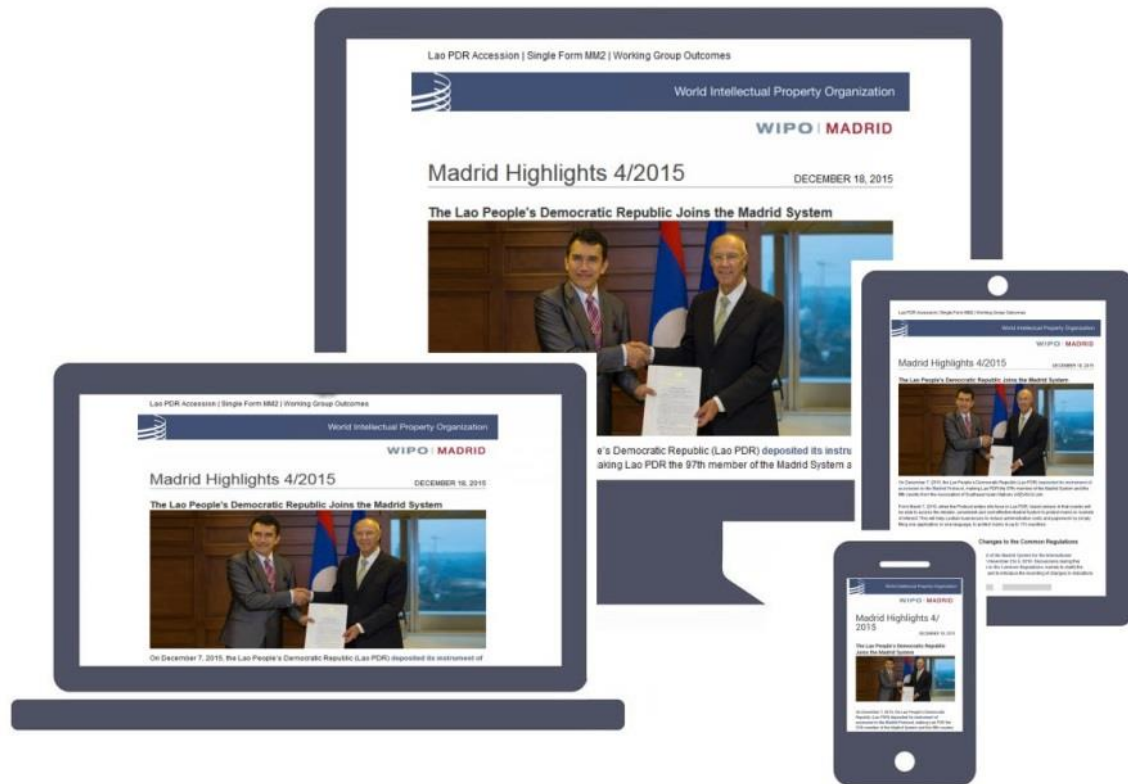
- No minimum number of transactions
- Initial payment of CHF 2,000
- Minimum balance - notification sent to customers if balance is less than CHF 200
- A form to open the account available on the website
- Email address required
- Account statement sent by email only

Keep Updated on the Madrid System

■ Visit the Madrid Website www.wipo.int/madrid/en

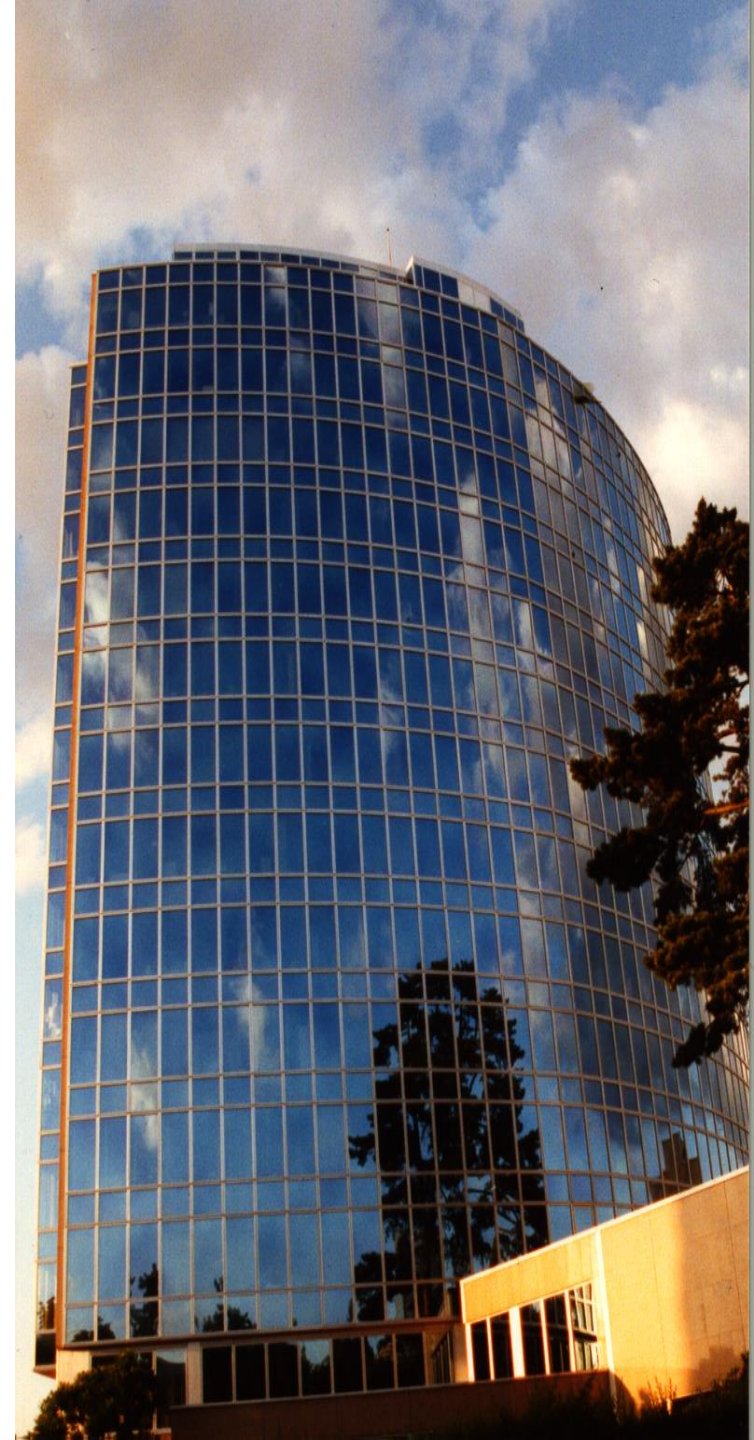
■ Subscribe to [Madrid Notices](#), our regular legal and news updates

■ Sign up for [Madrid Highlights](#)



Thank you
for your attention

matthew.forno@wipo.int



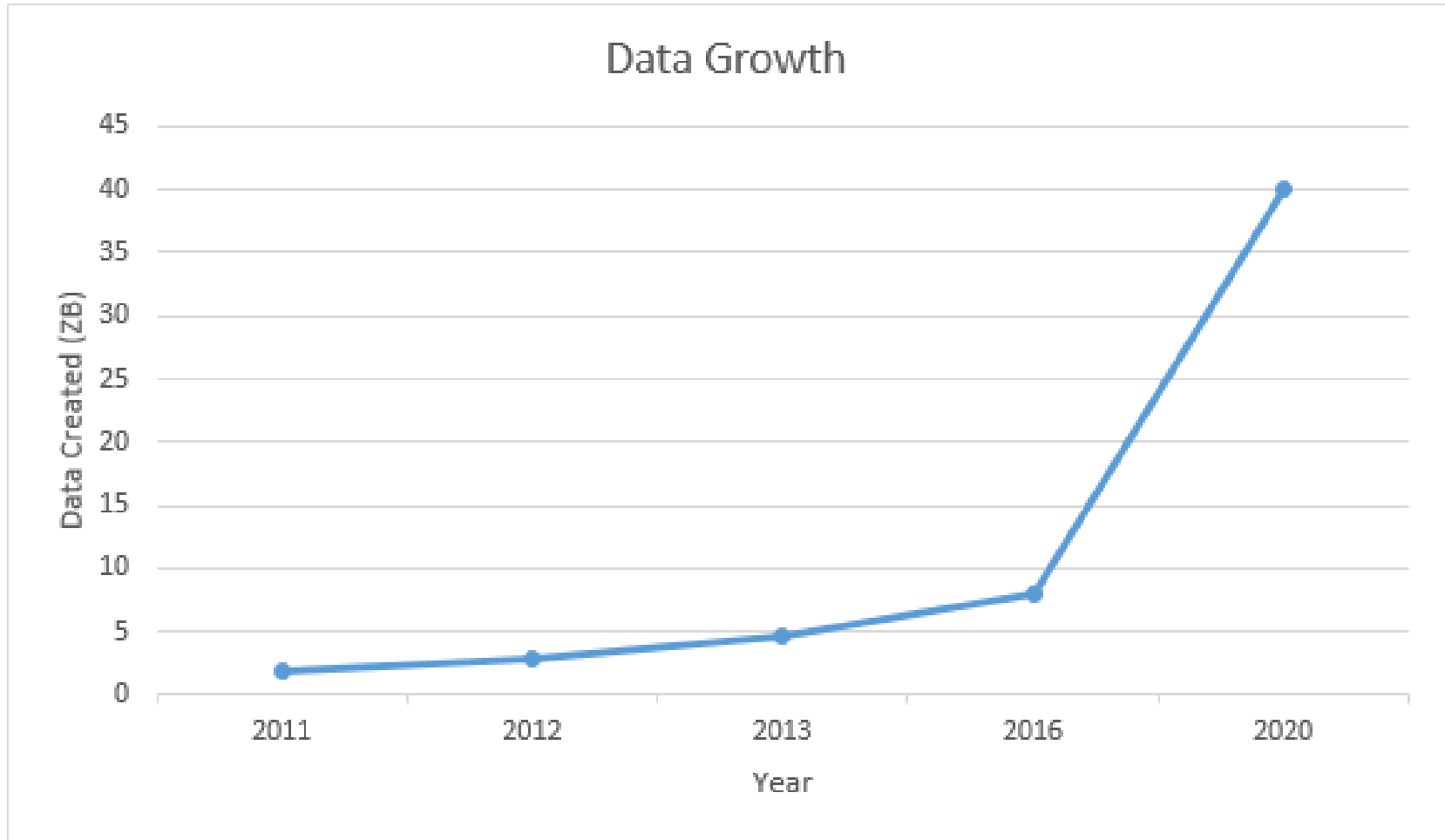
Global IP Infrastructure



Yo TAKAGI, Assistant Director General,
Global Infrastructure Sector

Sydney, Australia
March 20, 2017

Big Data!



Source: Gartner

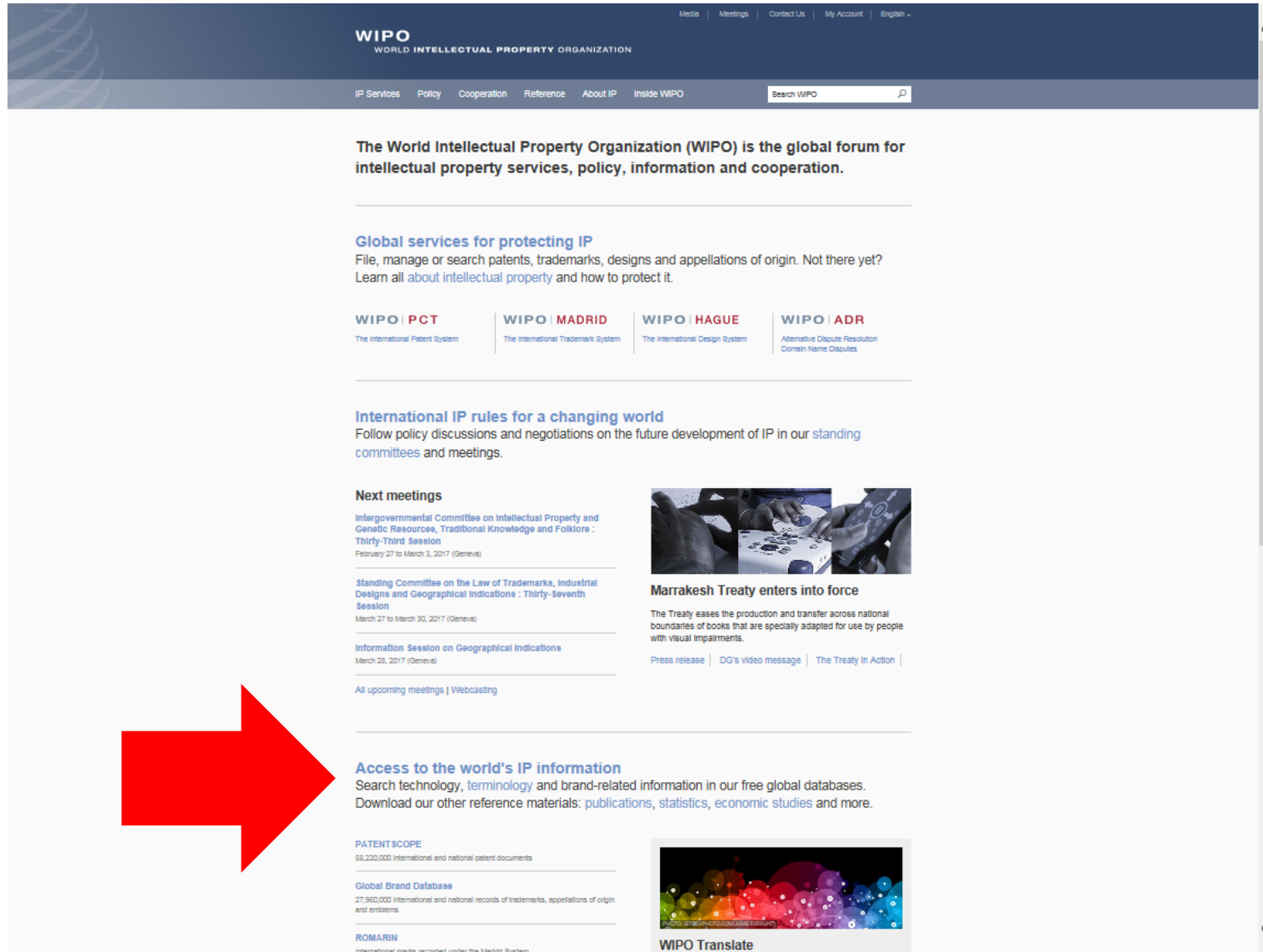
WIPO's Response

- Legal Framework (IP treaties)
- Systems (PCT, Madrid, Hague, AMC)
- Global IP Infrastructure
 - Global IP Data Standardization (IPOs)
 - Global generation of digital IP data (IPOs)
 - ■ Global Databases (IPOs and users)
 - ■ Global Platforms (IPOs and users)

Use Global Databases to increase IP Intelligence for Your Business Strategy

- Find a good name for your company and product/service
Global Brand Database
- Design your new product
Global Design Database
- Make sure that your idea/technology is new
PATENTSCOPE
- Check if your target markets protect your IP
WIPO Lex

Global IP Databases: Access Point



The screenshot shows the WIPO website homepage. At the top, there is a dark blue header with the WIPO logo and navigation links. Below the header is a search bar and a main content area. A large red arrow on the left side of the page points towards the 'Access to the world's IP information' section.

WIPO
WORLD INTELLECTUAL PROPERTY ORGANIZATION

Media | Meetings | Contact Us | My Account | English

IP Services | Policy | Cooperation | Reference | About IP | Inside WIPO

Search WIPO

The World Intellectual Property Organization (WIPO) is the global forum for intellectual property services, policy, information and cooperation.

Global services for protecting IP
File, manage or search patents, trademarks, designs and appellations of origin. Not there yet? Learn all about intellectual property and how to protect it.

WIPO | PCT
The International Patent System

WIPO | MADRID
The International Trademark System

WIPO | HAGUE
The International Design System

WIPO | ADR
Alternative Dispute Resolution
Domain Name Disputes

International IP rules for a changing world
Follow policy discussions and negotiations on the future development of IP in our standing committees and meetings.

Next meetings

Intergovernmental Committee on Intellectual Property and Genetic Resources, Traditional Knowledge and Folklore : Thirty-Third Session
February 27 to March 3, 2017 (Geneva)

Standing Committee on the Law of Trademarks, Industrial Designs and Geographical Indications : Thirty-Seventh Session
March 27 to March 30, 2017 (Geneva)

Information Session on Geographical Indications
March 28, 2017 (Geneva)

[All upcoming meetings](#) | [Webcasting](#)

Marrakesh Treaty enters into force
The Treaty eases the production and transfer across national boundaries of books that are specially adapted for use by people with visual impairments.
[Press release](#) | [DG's video message](#) | [The Treaty in Action](#)

Access to the world's IP information
Search technology, terminology and brand-related information in our free global databases. Download our other reference materials: [publications](#), [statistics](#), [economic studies](#) and more.

PATENTSCOPE
58,220,000 International and national patent documents

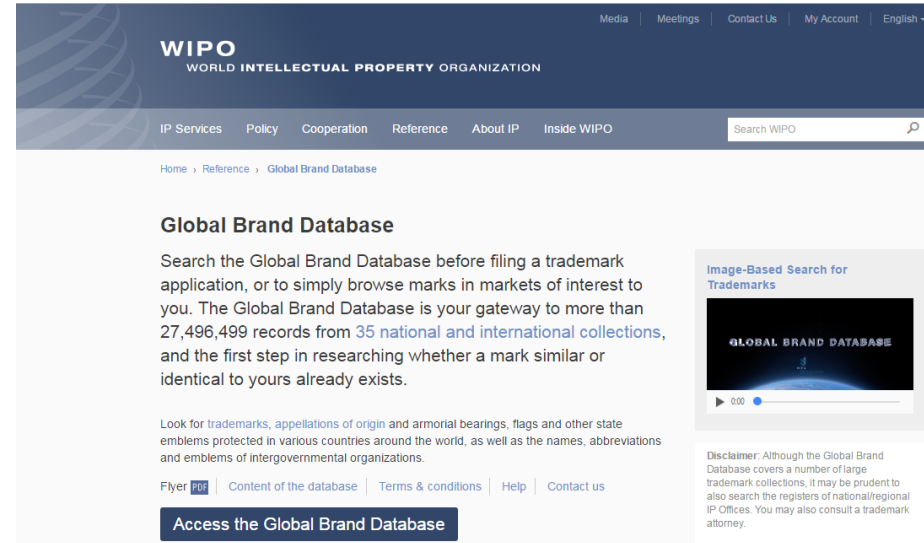
Global Brand Database
27,960,000 International and national records of trademarks, appellations of origin and emblems

ROMARIN
International marks recorded under the Madrid System

WIPO Translate

Global Brand Database

- Over 28 million records relating to nationally and internationally-protected trademarks
- Allows searches across multiple collections, including:
 - Trademarks registered under Madrid System and EUIPO
 - Appellations of Origin registered under Lisbon System
 - Emblems protected under the Paris Convention 6ter
 - 31 national collections, with more to come soon



The screenshot shows the WIPO Global Brand Database website. The header features the WIPO logo and navigation links for Media, Meetings, Contact Us, My Account, and English. Below the header is a search bar and a navigation menu with links for IP Services, Policy, Cooperation, Reference, About IP, and Inside WIPO. The main content area is titled "Global Brand Database" and includes a search introduction, a disclaimer, and a button to "Access the Global Brand Database".

WIPO
WORLD INTELLECTUAL PROPERTY ORGANIZATION

Media Meetings Contact Us My Account English -

IP Services Policy Cooperation Reference About IP Inside WIPO Search WIPO

Home > Reference > Global Brand Database

Global Brand Database

Search the Global Brand Database before filing a trademark application, or to simply browse marks in markets of interest to you. The Global Brand Database is your gateway to more than 27,496,499 records from 35 national and international collections, and the first step in researching whether a mark similar or identical to yours already exists.

Look for trademarks, appellations of origin and armorial bearings, flags and other state emblems protected in various countries around the world, as well as the names, abbreviations and emblems of intergovernmental organizations.

Flyer PDF Content of the database Terms & conditions Help Contact us

[Access the Global Brand Database](#)

Image-Based Search for Trademarks

GLOBAL BRAND DATABASE

Disclaimer: Although the Global Brand Database covers a number of large trademark collections, it may be prudent to also search the registers of national/regional IP Offices. You may also consult a trademark attorney.

Global Brand Database

www.wipo.int/branddb/en/

WIPO WORLD INTELLECTUAL PROPERTY ORGANIZATION

Contact Us | My account | English

Home | Reference | Global Brand Database

searches records help

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. V: 2016-10-27 14:46

Data from Spain available 2016-10-11 Over 740,000 records added

Data from Mongolia available 2016-08-10 Over 15,000 records added

Data from Malaysia available 2016-07-05 Over 450,000 records added

Data from Jordan available 2016-05-17 Over 58,000 records added

Data from Georgia available 2016-04-15 Over 26,000 records added

NEWS available Over 2016-04-15

SEARCH BY

Brand Names Numbers Dates Class Country

Text = e.g. wipo OR ompi, *ntel*, ompi-

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

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

search

FILTER BY

Source	Image	Status	Origin	App. Year *	Expiration *
AE TM 39,540	AU TM 1,543,915	BN TM 42,497	CA TM 1,480,744		
CH TM 376,204	DE TM 1,886,435	DK TM 284,437	DZ TM 27,072		
EE TM 56,659	EG TM 109,441	EM TM 1,374,397	ES TM 745,119		
GE TM 27,733	ID TM 811,878	IL TM 254,656	LA TM 37,897		
JO TM 61,490	JP TM 1,931,509	KH TM 72,816	KR TM 3,176,094		
MA TM 135,386	MD TM 37,219	MN TM 15,917	MX TM 1,148,392		

Display: List Sort: Value - asc filter

1 - 30 / 27,501,527 TMview

Display: 30 per page options

Brand	Source	Status	Relevance	Origin	Holder	Number	App. Date	Image Class	Nice Cl.	Image
SONO MUSIC	EM TM	Pending	1	EM	SJRM Entertainment V.O.F.	015977762	2016-10-26		9, 41	
HI POP	EM TM	Pending	1	EM		015977705	2016-10-26		20, 35	
IL SALSICCIO	EM TM	Pending	1	EM	GRANDI SALUMIFICI ITALIANI S.p.A.	015977754	2016-10-26		29	
FLAGSHIP	EM TM	Pending	1	EM	SYNGENTA PARTICIPATIONS AG	015977713	2016-10-26		5	
ICON	EM TM	Pending	1	EM	Syngenta Limited	015977796	2016-10-26		5	

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

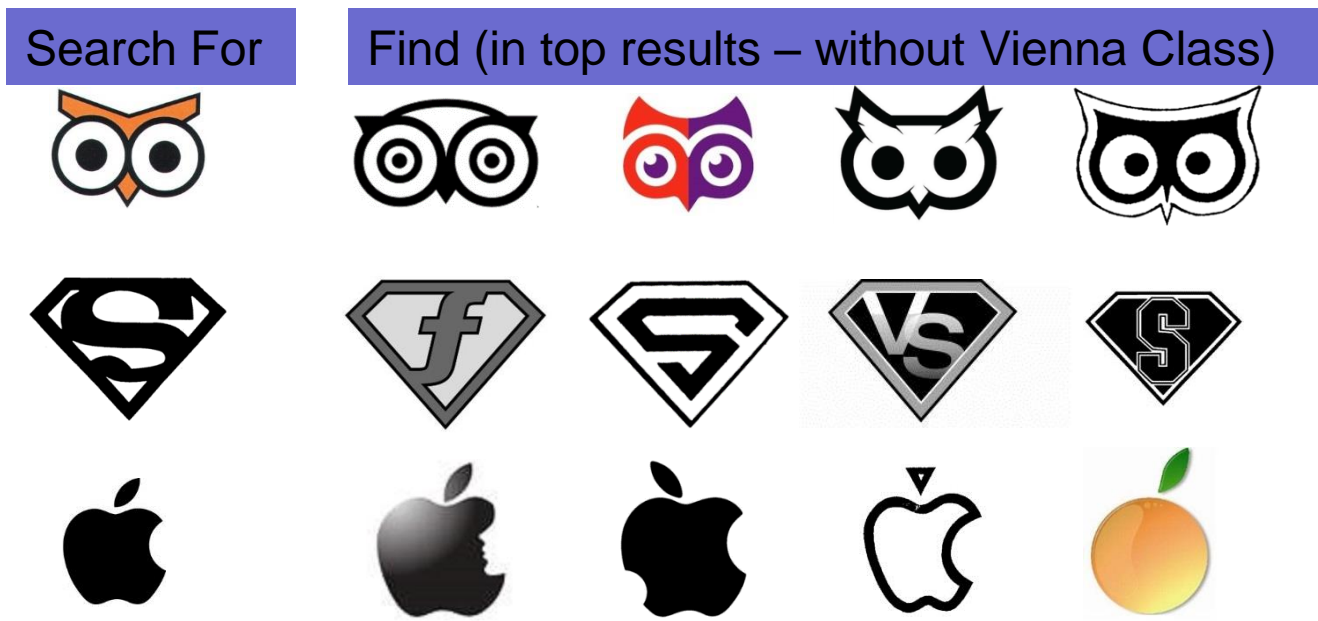


Image Search

Use of AI to match similar images

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. V: 2017-02-10 10:44

Data from Spain available 2016-10-11 Over 740,000 records added	Data from Mongolia available 2016-08-10 Over 15,000 records added	Data from Malaysia available 2016-07-05 Over 450,000 records added	Data from Jordan available 2016-05-17 Over 58,000 records added	Data from Gec NEWS  Over 26,000 records added
---	---	--	---	--


SEARCH BY

Brand | Names | Numbers | Dates | Class | Country

Text =

Image Class = 

Goods (All) =

search 

FILTER BY


Source | Image | Status | Origin | App. Year * | Expiration * ▾

1 Pick an image



delete 

2 Pick a strategy


- Shape 
- Color
- Texture
- Composite

3 Pick an image type

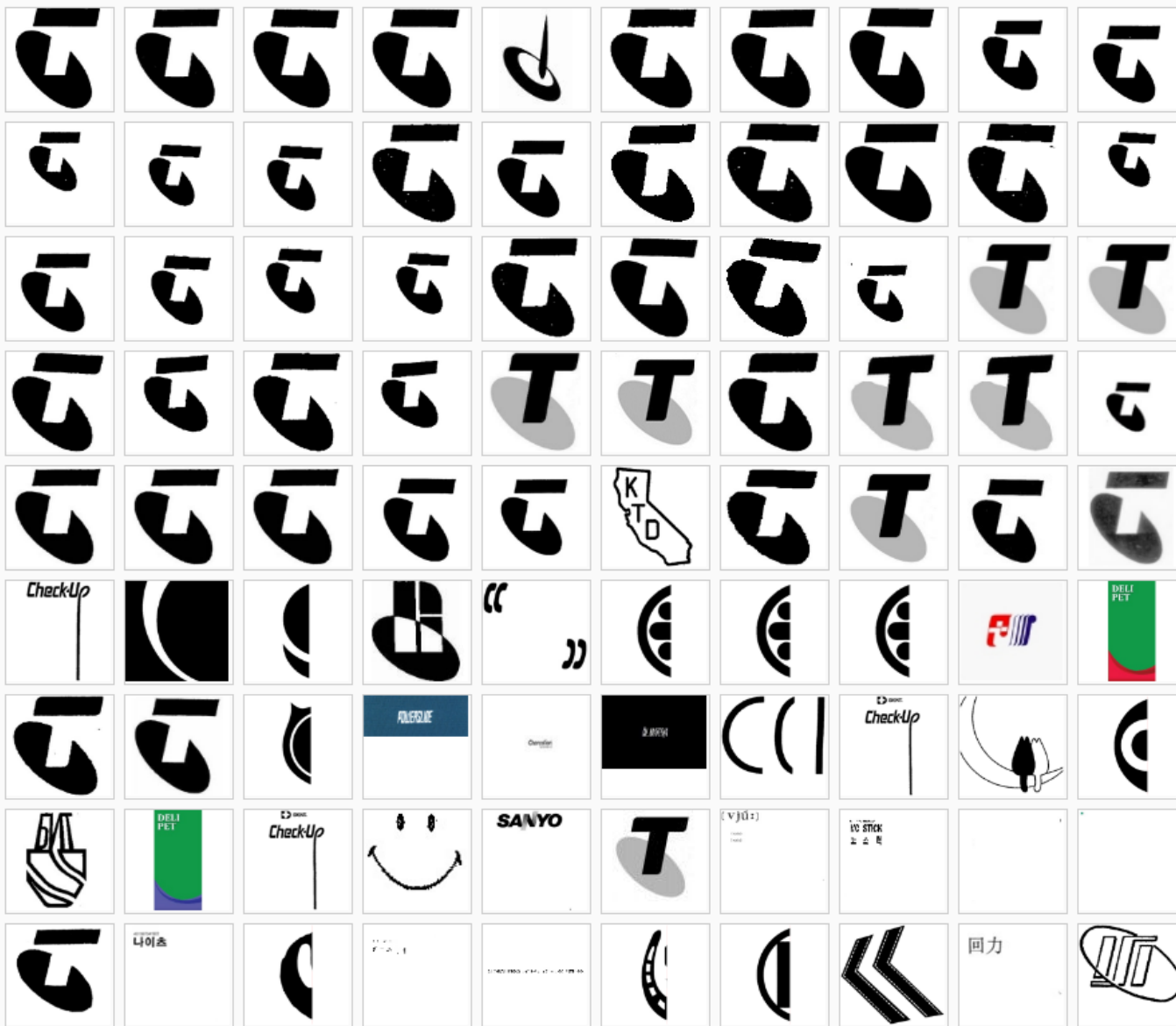
Verbal	3,055,132
Nonverbal	1,693,782
Combined	8,194,794
Unknown	124,855

filter 

CURRENT FILTER

IMAGE:Shape 

Sort by Relevance - desc



Global Design Database

The screenshot shows the WIPO website header with navigation links: Media, Meetings, Contact Us, My Account, and English. Below the header is a search bar labeled 'Search WIPO'. The main content area features the title 'Global Design Database' and a description: 'Via a single, intuitive interface, the Global Design Database enables free, simultaneous searches of more than industrial designs registered under the WIPO-administered Hague System and/or in participating national collections.' A prominent button reads 'Access the Global Design Database'. To the right, a 'Links' box contains 'Help' and 'Contact us'. A 'News' section at the bottom lists two items: 'WIPO adds more than 1 million new documents to Global Design Database' (dated August 5, 2015) and 'Global Dissemination of IP Data Initiative' (dated May 12, 2015), with an 'All news' button.

- Launched in 2015
- Simultaneous search of more than 1.7 million industrial designs registered in 6 national collections or under the Hague System

<http://www.wipo.int/designdb>

iWatch in the Global Design Database

WIPO
WORLD INTELLECTUAL PROPERTY ORGANIZATION

Contact Us | My account | English

Home | Reference | Global Design Database

searches records help

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

Holder =

Creator =

Representative =

CURRENT SEARCH
HOL:apple

FILTER BY

Source Designation Locarno Class Reg. Year

CA Designs	471	ES Designs	0	JP Designs	0
NZ Designs	46	US Designs	1,566	WO Designs	2

Display: Sort:

1 - 10 / 2,085

10 per page 1 / 209

Reg. No	Source	Holder	Reg. Date	Locarno Cl.	National Cl.	Ind. Prod.	Designations	Designs	Image
419864	NZID	Apple Inc.	2015-05-01	10-07		Band	NZ	1	
419872	NZID	Apple Inc.	2015-05-01	13-02		Charger	NZ	1	
419862	NZID	Apple Inc.	2015-05-01	10-07		Electronic device	NZ	1	
419866	NZID	Apple Inc.	2015-05-01	10-07		Band	NZ	1	
419863	NZID	Apple Inc.	2015-05-01	10-07		Band	NZ	1	
419868	NZID	Apple Inc.	2015-05-01	10-07		Band	NZ	1	

An example of a Design Database Entry

WIPO
WORLD INTELLECTUAL PROPERTY ORGANIZATION

Contact Us | My account | English ▾

Home | Reference | Global Design Database

Global Design Database

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

↩ back (Information valid as of 2016-10-27)

3 / 2085 **New Zealand Industrial Design**

419862 - Electronic device
Status: Registered (2015-05-01)

(11) International Registration Number
419862

Filing Date of the Application
2015-02-10

(15) Date of the international registration
2015-05-01

(18) Expected expiration date of the registration/renewal
2019-08-11

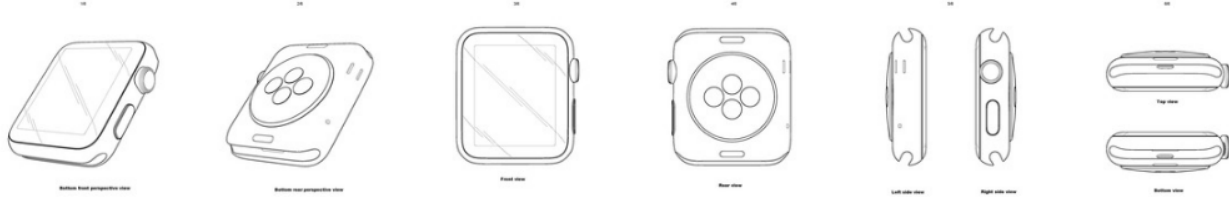
(54) Indication of products
Electronic device

Statement of Novelty
The design is to be applied to an electronic device and the novelty of the design resides in the features of shape and/or configuration of the electronic device as shown in the accompanying representations. The oblique shade lines in the Figures show a transparent, reflective or shiny surface, and not surface ornamentation.

(51) Class and subclass of the Locarno Classification
10.07.021

(73) Name and address of the holder(s)
Apple Inc.
Physical Address: 1 Infinite Loop
Cupertino, California 95014 (US)
Postal Address: 1 Infinite Loop
Cupertino, California 95014 (US)

(70) Identification of parties concerned with the application or registration
Address for service: Suite 25
17B Farnham Street, Parnell, Auckland 1052



Technical drawings of an electronic device, showing various views: oblique front perspective view, oblique rear perspective view, front view, rear view, left side view, right side view, and bottom view.

PATENTSCOPE

Access to the world's IP information

Search technology, [terminology](#) and brand-related information in our free global databases.
Download our other reference materials: [publications](#), [statistics](#), [economic studies](#) and more.

PATENTSCOPE

57,240,000 international and national patent documents

Global Brand Database

26,690,000 international and national records of trademarks, appellations of origin and emblems

ROMARIN

International marks recorded under the Madrid System

Global Design Database

1,600,000 industrial design registrations from the Hague System and participating national collections

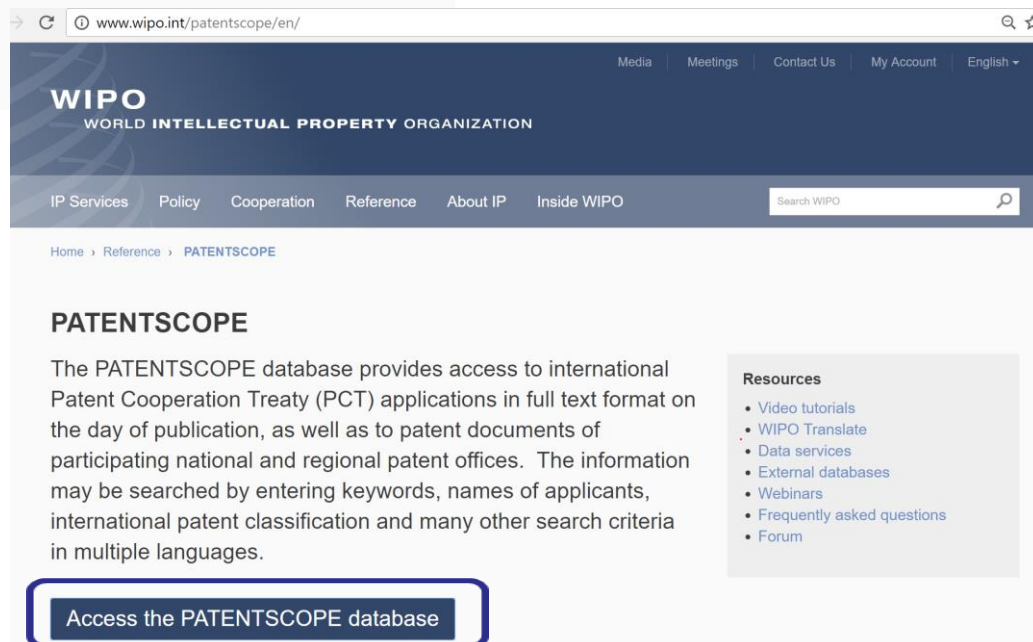
WIPO Lex

14100 records of national IP laws and treaties of some 200 countries



International IP filings in 2015
U.S. Extends Lead in International Patent and Trademark Filings.

[Press release](#) | [Infographic](#) [PDF](#)



The screenshot shows the WIPO Patentscope website. The browser address bar displays www.wipo.int/patentscope/en/. The website header includes the WIPO logo and navigation links: Media, Meetings, Contact Us, My Account, and English. Below the header is a main navigation menu with links for IP Services, Policy, Cooperation, Reference, About IP, and Inside WIPO. A search bar is located on the right side of the header. The main content area features a breadcrumb trail: Home > Reference > PATENTSCOPE. The title 'PATENTSCOPE' is prominently displayed. The introductory text states: 'The PATENTSCOPE database provides access to international Patent Cooperation Treaty (PCT) applications in full text format on the day of publication, as well as to patent documents of participating national and regional patent offices. The information may be searched by entering keywords, names of applicants, international patent classification and many other search criteria in multiple languages.' To the right of this text is a 'Resources' section with a list of links: Video tutorials, WIPO Translate, Data services, External databases, Webinars, Frequently asked questions, and Forum. At the bottom of the page, there is a button labeled 'Access the PATENTSCOPE database'.

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

[New Chemical Structure Search functionality](#)

[PCT Publication 06/2017 \(2017/02/09\) is now available. The next publication date is scheduled as follows: Gazette number 07/2017 \(2017/02/16\). More](#)

- 3.1 million published PCT applications
- 60 million patent documents (40 regional or national collections)

5 Great TIPS !

TIP 1

Registered
PATENTSCOPE
Free of Charge
Log In
users can:

- Save their queries
- Export up to 10.000 records in .csv/.xls

The screenshot shows the WIPO PATENTSCOPE search results page for the query "FP:(car OR 'autonomous vehicle') AND PA:Google". The page displays search results for "Camera based localization" and "Remote assistance for an autonomous vehicle in low confidence situations". A red arrow points from the "Login" button in the top navigation bar to the "Log In" text in the right-hand column. A yellow box highlights the "RSS" and "10k" export buttons in the search results area. Another yellow box highlights the "User: yo.takagi@wipo.int" field in the top navigation bar of the second screenshot.

WIPO PATENTSCOPE
Search International and National Patent Collections

WORLD INTELLECTUAL PROPERTY ORGANIZATION

Search Browse Translate Options News Login Help

Home > IP Services > PATENTSCOPE

Results 1-10 of 180 for Criteria:FP:(car OR "autonomous vehicle") AND PA:Google Office(s):all Language:EN Stemming: true

prev 1 2 3 4 5 6 7 8 9 10 next Page: 1 / 19 Go >

Refine Search FP:(car OR "autonomous vehicle") AND PA:Google Search RSS 10k

Analysis

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

Int.Class	Title	Applicant	Ctr	PubDate
1. 09476970	Camera based localization		US	25.10.2016
H04N 7/18	13423704	Nathaniel Fairfield	Nathaniel Fairfield	
Aspects of the disclosure relate generally to autonomous vehicles. Specifically, the features described may be used alone or in combination in order to improve the safety, use, driver experience, and performance of these vehicles. In particular, the disclosure includes a system and method of determining a vehicle's location based on a comparison of images captured from the vehicle with a database of images.				
2. 09465388	Remote assistance for an autonomous vehicle in low confidence situations		US	11.10.2016
G05D 1/00	14195663	Google Inc.	Nathaniel Fairfield	
Example systems and methods enable an autonomous vehicle to request assistance from a remote operator when the vehicle's confidence in operation is low. One example method includes operating an autonomous vehicle of an autonomous operation in the first autonomous mode assistor, the request including sensor data representative response from the remote assistor, the response indicating operate in the second autonomous mode of operation in a				
3. 09459625	Approach for consolidating observed veh			
G05D 1/02	144497			
A method and apparatus is provided for controlling the op of other vehicles on a road. Based on the other vehicle's autonomous vehicle may select one of the combined traj speed or direction of the autonomous vehicle.				
4. 09460622	Approach for estimating the geometry of i			
G08G 1/0967	14516C			

WIPO PATENTSCOPE
Search International and National Patent Collections

WORLD INTELLECTUAL PROPERTY ORGANIZATION

Search Browse Translate Options News User: yo.takagi@wipo.int Help

Home > IP Services > PATENTSCOPE

Results 1-10 of 23,418 for Criteria:FP:(electric car) Office(s):all Language:EN Stemming: true

prev 1 2 3 4 5 6 7 8 9 10 next Page: 1 / 2342 Go >

Refine Search FP:(electric car) Search RSS 10k

Instant Help

Analysis

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

Int.Class	Applicant	Title	Ctr	PubDate
1. WO/2017/020290	ELECTRONIC CIGARETTE AND POWER SUPPLY APPARATUS THEREOF		WO	09.02.2017
A24F 47/00	PCT/CN2015/086215	SHENZHEN SMOORE TECHNOLOGY LIMITED	LIU, Pingkun	
An electronic cigarette and a power supply apparatus (1) thereof. The power supply apparatus (1) is used for an electronic cigarette, comprising a housing (11) and an electrostatic friction film (12). An air inlet (111), an air outlet (112) and an airflow channel (113) connecting the air inlet (111) and the air outlet (112) are provided on				

TIP 2 Cross Lingual Search

The screenshot displays the WIPO PATENTSCOPE interface. At the top, the WIPO logo and 'PATENTSCOPE' are visible, along with a language selection menu. Below this is a navigation bar with 'Search', 'Browse', 'Translate', 'Options', 'News', 'Login', and 'Help'. The 'Search' dropdown menu is open, showing 'Simple', 'Advanced Search', 'Field Combination', and 'Cross Lingual Expansion'. A red box highlights the 'Cross Lingual Expansion' option, and a red arrow points to it from the left. Below the navigation bar, there is a search input field with a 'Front Page' dropdown and a 'Search' button. The page also features a 'New Chemical Structure Search functionality' announcement and a 'PCT Publication 06/2017 (2017/02/09) is now available' notice.

<https://patentscope.wipo.int>

Example: Drone



PATENTSCOPE

[Mobile](#) | [Deutsch](#) | [Español](#) | [Français](#) | [日本語](#) | [한국어](#) | [Português](#) | [Русский](#) | [中文](#) | [العربية](#) |

Search International and National Patent Collections

WORLD INTELLECTUAL PROPERTY ORGANIZATION

[Search](#)

[Browse](#)

[Translate](#)

[Options](#)

[News](#)

[Login](#)

[Help](#)

[Home](#) > [IP Services](#) > [PATENTSCOPE](#)

Input search terms

[\[Help\]](#)

Query

drone

Query Language:

Expansion Mode:

Precision Recall

[Next](#)

50% more results



PATENTSCOPE

Mobile | Deutsch | Español | Français | 日本語 | 한국어 | Português | Русский | 中文 | العربية |

Search International and National Patent Collections

WORLD INTELLECTUAL PROPERTY ORGANIZATION

Search Browse Translate Options News User: yo.takagi@wipo.int Help

Home > IP Services > PATENTSCOPE

Results 701-750 of 2,293 for Criteria:FP:((EN_TI:("drone") OR EN_AB:("drone")) OR (DE_TI:("Drohne" OR "Drone") OR DE_AB:("Drohne" OR "Drone")) OR (ES_TI:("aeronave remolcada") OR ES_AB:("aeronave remolcada")) OR (FR_TI:("drone") OR FR_AB:("drone")) OR (JA_TI:("無人機") OR JA_AB:("無人機"))) OR (KO_TI:("비행무기") OR KO_AB:("비행무기")) OR (RU_TI:("беспилотного летательного аппарата" OR "беспилотный") OR RU_AB:("беспилотного летательного аппарата" OR "беспилотный"))) Office(s):all Language:EN Stemming: true

prev 1 12 13 14 15 16 17 18 19 20 next Page: 15 / 46 Go >

Refine Search FP:((EN_TI:("drone") OR EN_AB:("drone")) OR (DE_TI:("Drohne" OR "Drone") OR DE_AB:("Drohne" OR "Drone")) OR (ES_TI:("aeronave remolcada") OR ES_AB:("aeronave remolcada")) OR (FR_TI:("drone") OR FR_AB:("drone")) OR (JA_TI:("無人機") OR JA_AB:("無人機"))) OR (KO_TI:("비행무기") OR KO_AB:("비행무기")) OR (RU_TI:("беспилотного летательного аппарата" OR "беспилотный") OR RU_AB:("беспилотного летательного аппарата" OR "беспилотный"))) Office(s):all Language:EN Stemming: true Search

Instant Help

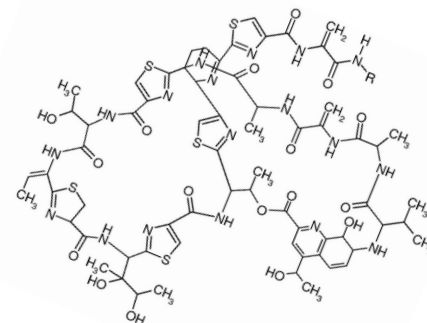
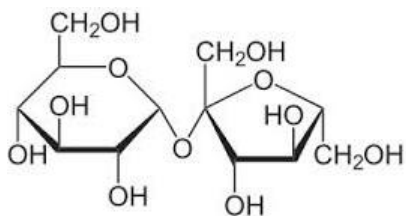
Analysis

Sort by: Relevance View All List Length 50 Machine translation

Title	Applicant	Ctr	PubDate
701. 00083483 БЕСПИЛОТНЫЙ ЛЕТАТЕЛЬНЫЙ АППАРАТ		ru	10.06.2009
B64C 1/30 2008152953/22	Попов Николай Михайлович (UA)		
<p>Беспилотный летательный аппарат относится к авиационной технике, в частности беспилотным летательным аппаратам среднего веса, со специальной полезной нагрузкой. Беспилотный летательный аппарат содержит фюзеляж с V-образным хвостовым оперением, крыло, двухколесное шасси и силовую установку. Консоли крыла выполнены со стреловидностью вперед. Силовая установка представляет собой двигатель с закрепленным на его выходном валу двухлопастным винтом. Фюзеляж выполнен с возможностью разборки на две секции: носовую часть и хвостовую балку, крыло - на три секции: две консоли и центроплан, хвостовое оперение - на две секции. Конструкция аппарата предусматривает удобное транспортирование и быструю подготовку к полетному состоянию. Бортовое оборудование обеспечивает управление аппаратом от дистанционного пункта и навигацию в автономном полете. В качестве полезной нагрузки могут быть установлены аппаратура для аэро съемки или оборудование для химической (или биологической) обработки сельскохозяйственных угодий.</p>			
702. 02353547 UNMANNED STEALTH AIRCRAFT		ru	27.04.2009
B64C 29/02 2007108411/11	Барковский Владимир Иванович (RU)		
<p>FIELD: aircraft industry. SUBSTANCE: invention refers to aircraft industry, and namely to unmanned stealth aircrafts. Unmanned stealth aircraft is made according to "flying wing" aerodynamic design in horizontal plane in the form of a rhomb all the four wing edges of which are equal to each other lengthwise, and front wing edges are parallel to rear wing edges which are located opposite. Front wing edges make 40 deg angles with a straight line perpendicular to longitudinal axis. Each elevon on the rear wing edges is three-section, and has individual and independent control of each section. Inlet holes of air intakes are made so that they do not project beyond the clean line of aircraft upper surface; they are made in the form of triangles if to look from above. Flat outlet nozzle is made so that it does not project beyond the lines of wing center section, and its lower edge coincides with rear edge of wing center section. EFFECT: improving unmanned aircraft stealthiness, and improving in-flight stability and controllability. 14 cl, 3 dwg</p>			
703. 02185309 RECOVERABLE UNMANNED FLYING VEHICLE		ru	20.07.2002

TIP 3 Chemical Compounds Search

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



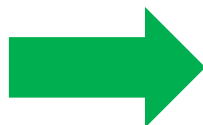
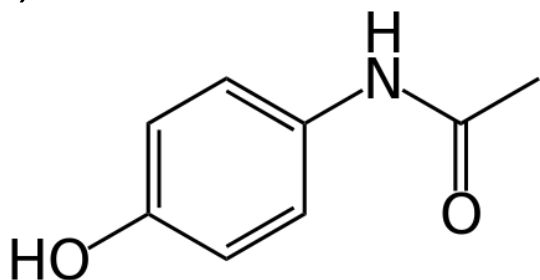
Example: Panadol®



(1) IUPAC name

N-(4-hydroxyphenyl)acetamide

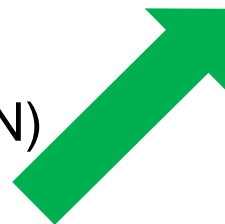
(2) Skeletal formula



InchiKey
RZVAJINKPMORJF-UHFFFAOYSA-N

(3) International Non proprietary Name (INN)

Paracetamol



(4) Trademark, generic name, other names

Panadol, Tylenol, Acetaminophen, etc.



Chemical Compounds Search Log In First!

WIPO PATENTSCOPE

Mobile | Deutsch | Español | Français | 日本語 | 한국어 | Português | Русский | 中文 | العربية

Search International and National Patent Collections

WORLD INTELLECTUAL PROPERTY ORGANIZATION

Search Browse Translate Options News **User: yo.takagi@wipo.int** Help

- Simple
- Advanced Search
- Field Combination
- Cross Lingual Expansion
- Chemical compounds**

Front Page Office: All

[New Chemical Structure Search functionality](#)

[PCT Publication 06/2017 \(2017/02/09\) is now available. The next publication date is scheduled as follows: Gazette number 07/2017 \(2017/02/16\). More](#)

Chemical compounds search

Structure editor

Convert structure

Upload structure

[Help]

Select a structure file (MOL) or image file (PNG, GIF, TIFF, JPEG) and upload it.

Choose File No file chosen

Show in editor Reset

Search for scaffold:

Office: All Specify ⇄

Tooltip Help

Chemical Compound Search

The screenshot shows the WIPO PATENTSCOPE interface for chemical compound search. The top navigation bar includes the WIPO logo, the text 'PATENTSCOPE', and a list of languages: Mobile | Deutsch | Español | Français | 日本語 | 한국어 | Português | Русский | 中文 | العربية. Below this is a search bar and a navigation menu with 'Search', 'Browse', 'Translate', 'Options', 'News', 'User: yo.takagi@wipo.int', and 'Help'. The main content area is titled 'Chemical compounds search' and contains a sub-section 'Structure editor' which is highlighted with a red box. This section includes buttons for 'Convert structure' and 'Upload structure'. Below these buttons is a toolbar with various drawing tools, including a selection tool, undo/redo, a drawing tool, and a set of geometric shapes (triangle, square, pentagon, hexagon, heptagon, octagon). A large empty canvas is provided for drawing. At the bottom of the interface, there are search options: 'Search for scaffold: ', 'Office: All Specify <->', and 'Search' and 'Reset' buttons. A 'Tooltip Help' link is also visible.

Draw or edit:

- Chemical structures
- Reactions
- Fragments similar to chemical sketches on paper

Convert Structure

WIPO PATENTSCOPE

Search International and National Patent Collections

WORLD INTELLECTUAL PROPERTY ORGANIZATION

Search | Browse | Translate | Options | News | User: yo.takagi@wipo.int | Help

Home > IP Services > PATENTSCOPE

Chemical compounds search [Help]

Structure editor | **Convert structure** | Upload structure

Compound name ▼ Type an accepted name, commercial name, CAS name, IUPAC name

Compound name
INN
InChI
SMILES


Search Show in editor Reset

Search for scaffold: : All Specify ⇌

Tooltip Help

- PCT/US chemically indexed since 1978(PCT) and 1979(US)
- Code/clinical/chemical/commercial/CAS/INN names
- Exact compounds can be searched – no Markush structures

Example: Panadol (Paracetamol)

WIPO  **PATENTSCOPE** Mobile | Deutsch | Español | Français | 日本語 | 한국어 | Português | Русский | 中文 | العربية

Search International and National Patent Collections

WORLD INTELLECTUAL PROPERTY ORGANIZATION

Search | Browse | Translate | Options | News | User: yo.takagi@wipo.int | Help

Home > IP Services > PATENTSCOPE

Chemical compounds search [\[Help\]](#)

Structure editor | **Convert structure** | Upload structure

Compound name ▼ Paracetamol

- Compound name
- INN**
- InChI
- SMILES

Search Show in editor Reset

Search for scaffold: All Specify ⇌

Tooltip Help

Results 1-10 of 34,716 for Criteria:CHEM:(RZVAJINKPMORJF-UHFFFAOYSA-N) Office(s):all Language:EN Stemming: true

prev 1 2 3 4 5 6 7 8 9 10 next Page: 1 / 3472 Go >

Refine Search CHEM:(RZVAJINKPMORJF-UHFFFAOYSA-N)

Search

RSS

Analysis

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

Int.Class	Appl.No	Title	Applicant	Ctr	PubDate
1. WO/2017/012647		NOVEL COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS THEREOF FOR THE TREATMENT OF INFLAMMATORY DISORDERS		WO	26.01.2017
C07D 471/04	PCT/EP2015/066520	GALAPAGOS NV		MENET, Christel, Jeanne, Marie	
The present invention discloses compounds according to Formula (I), wherein R1, R3, R4, R5, L1, and Cy are as defined herein. The present invention also provides compounds, methods for the production of said compounds of the invention, pharmaceutical compositions comprising the same and their use in allergic or inflammatory conditions, autoimmune diseases, proliferative diseases, transplantation rejection, diseases involving impairment of cartilage turnover, congenital cartilage malformations, and/or diseases associated with hypersecretion of IL6 and/or interferons. The present invention also methods for the prevention and/or treatment of the aforementioned diseases by administering a compound of the invention.					
2. WO/2017/012901		IMPLANT WITH AN BIOACTIVE COATING AND METHOD FOR PROVIDING THE SAME		WO	26.01.2017
A61L 27/54	PCT/EP2016/066425	BIOMET DEUTSCHLAND GMBH		CARTIER, Régis	
The present invention relates to an implant having a surface comprising a coating on at least a portion of the surface of the implant, wherein the coating comprises at least two coating layers of bioactive compounds adjacent to each other, obtainable in a process comprising the following steps: providing an implant with a surface, providing a first suspension comprising at least one first bioactive compound in a first solvent, wherein the first bioactive compound is non-soluble or partially soluble in the first solvent, applying said first suspension comprising the at least one first bioactive compound onto at least a part of the implant surface forming a first coating layer; drying the first coating layer, providing a second solution comprising at least one second bioactive compound in a second solvent, wherein the second bioactive compound is soluble or readily soluble in the second solvent; applying said second solution comprising the at least one second bioactive compound onto the first coating layer forming a second coating layer, and drying the second coating layer.					
3. WO/2017/013183		COMPOSITIONS FOR PROTECTING SKIN COMPRISING DNA REPAIR ENZYMES AND PHYCOBILIPROTEIN		WO	26.01.2017
A61K 8/66	PCT/EP2016/067328	GREENALTECH, S.L		RUIZ CANOVAS, Eugenia	
The invention relates to compositions for repairing the adverse effects of the environment daily stress, sun exposure or premature-aging on human skin which comprise a DNA repair enzyme and a phycobiliprotein.					
4. WO/2017/013228		HAND-HELD TEST METER WITH FLUID INGRESS DETECTION CIRCUIT		WO	26.01.2017
G01N 27/27	PCT/EP2016/067460	LIFESCAN SCOTLAND LIMITED		HAMER, Malcolm D	

[Machine translation](#)
1. (WO2017012647) NOVEL COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS THEREOF FOR THE TREATMENT OF INFLAMMATORY DISORDERS
[PCT Biblio. Data](#) | [Description](#) | [Claims](#) | [National Phase](#) | [Notices](#) | [Compounds](#) | [Drawings](#) | [Documents](#)

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Pub. No.: WO/2017/012647 **International Application No.:** PCT/EP2015/066520
Publication Date: 26.01.2017 **International Filing Date:** 20.07.2015
IPC: C07D 471/04 (2006.01), A61K 31/437 (2006.01), A61P 29/00 (2006.01), A61P 37/08 (2006.01), A61P 35/00 (2006.01)

Applicants: GALAPAGOS NV [BE/BE]; Generaal De Wittelaan L11/A3 B-2800 Mechelen (BE)

Inventors: MENET, Christel, Jeanne, Marie; (BE).
 MAMMOLITI, Oscar; (BE).
 QUINTON, Evelyne; (BE).
 JOANNESSE, Caroline, Martine, Andrée-Marie; (BE).
 DE BLIECK, Ann; (BE).
 BLANC, Javier; (ES)

Agent: BAR, Grégory, Louis, Joseph; (BE)

Priority Data:
Title

(EN) NOVEL COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS THEREOF FOR THE TREATMENT OF INFLAMMATORY DISORDERS
(FR) NOUVEAUX COMPOSÉS ET COMPOSITIONS PHARMACEUTIQUES LES COMPRENANT POUR LE TRAITEMENT DE TROUBLES INFLAMMATOIRES

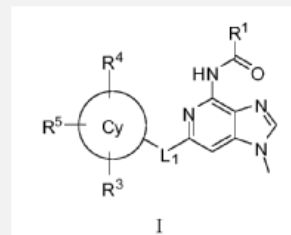
Abstract:

(EN)The present invention discloses compounds according to Formula (I), wherein R¹, R³, R⁴, R⁵, L₁, and Cy are as defined herein. The present invention also provides compounds, methods for the production of said compounds of the invention, pharmaceutical compositions comprising the same and their use in allergic or inflammatory conditions, autoimmune diseases, proliferative diseases, transplantation rejection, diseases involving impairment of cartilage turnover, congenital cartilage malformations, and/or diseases associated with hypersecretion of IL6 and/or interferons. The present invention also methods for the prevention and/or treatment of the aforementioned diseases by administering a compound of the invention.

(FR)La présente invention concerne des composés de formule (I), dans laquelle R¹, R³, R⁴, R⁵, L₁, et Cy sont tels que définis dans la description. La présente invention concerne également des composés, des procédés de production desdits composés, des compositions pharmaceutiques les comprenant et leur utilisation dans des troubles allergiques ou inflammatoires, des maladies auto-immunes, des maladies prolifératives, des rejets de transplantation, des maladies impliquant un trouble du renouvellement du cartilage, des malformations congénitales du cartilage, et/ou des maladies associées à une hypersécrétion de l'IL-6 et/ou des interférons. La présente invention concerne également des méthodes de prévention et/ou de traitement de ces maladies consistant à administrer un composé de l'invention.

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.
 African Regional Intellectual Property Organization (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW)

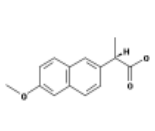
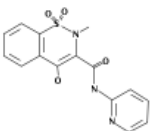
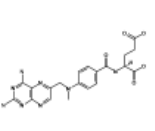
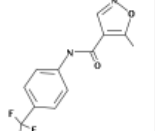
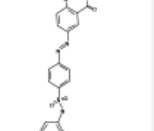
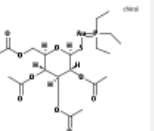
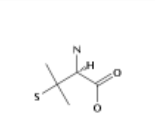
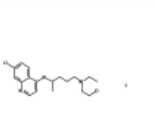
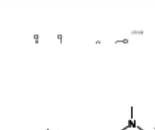
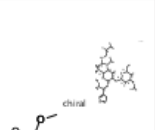
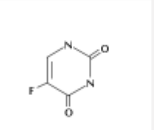
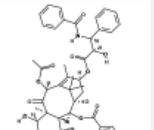
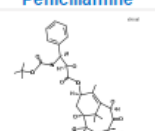
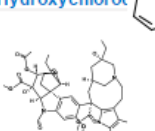
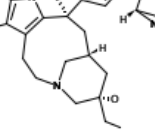
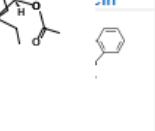
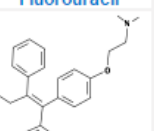
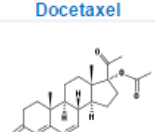
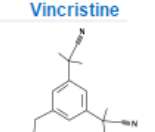
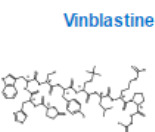
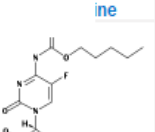
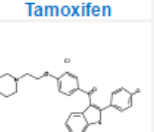


Machine translation

1. (WO2017012647) NOVEL COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS THEREOF FOR THE TREATMENT OF INFLAMMATORY DISORDERS

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

Title Abstract Description Claims

					
Naproxen	Piroxicam	Methotrexate	Leflunomide	Sulfasalazine	
					
Penicillamine	Hydroxychloroquine	Vincristine	Vinorelbine	Fluorouracil	Paclitaxel
					
Docetaxel	Vincristine	Vinorelbine	Tamoxifen	Toremifene	
					
Anastrozole	Anastrozole	Goserelin	Capecitabine	Erlotinib	

Navigation: <<<< << < 1 2 3 4 5 6 7 8 9 10 >> >>>>

to reduce or prevent, cartilage degradation in the joints of said patient, the self-perpetuating processes responsible for said degradation. In a particular embodiment said compound may exhibit cartilage anabolic and/or anti-catabolic properties.

[0208] Injection dose levels range from about 0.1 mg/kg/h to at least 10 mg/kg/h, all for from about 1 to about 120 h and especially 24 to 96 h. A preloading bolus of from about 0.1 mg/kg to about 10 mg/kg or more may also be administered to reach steady state levels. The maximum total dose is not expected to exceed about 2 g/day for a 40 to 80 kg human patient.

[0209] For the prophylaxis and/or treatment of long-term conditions, several months or years so oral dosing is preferred for patient convenience and several doses per day are representative regimens. Using these dosing patterns with particular doses each providing from about 0.1 to about 10 mg/kg

[0210] Transdermal doses are generally selected to provide similar clinical effects achieved using injection doses.

[0211] When used to prevent the onset of a condition, a compound of the invention may be administered on the advice and under the supervision of a physician, at the dosage and frequency include those that have a family history of the condition, or those who are at risk of developing the condition.

[0212] A compound of the invention can be administered as the sole agent or in combination with other compounds that demonstrate similar or the same or a similar therapeutic activity and that are determined to be suitable for administration of two (or more) agents allows for significantly lower doses of each agent.

[0213] In one embodiment, a compound of the invention or a pharmaceutical composition thereof is administered as a medicament. In a specific embodiment, said pharmaceutical composition

[0214] In one embodiment, a compound of the invention is co-administered with another therapeutic agent for the treatment and/or prophylaxis of a disease involving inflammation; particular agents include, but are not limited to (e.g. [dexamethasone](#)), [cyclophosphamide](#), [cyclosporin A](#), [tacrolimus](#), [Mycophenolate mofetil](#), [acetaminophen](#), [ibuprofen](#), [naproxen](#), and [piroxicam](#).

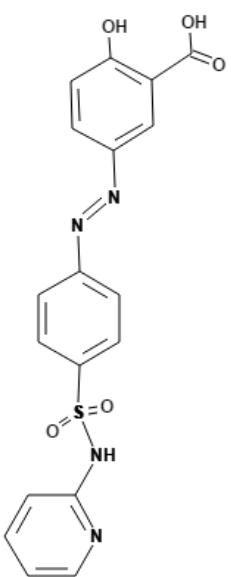
[0215] In one embodiment, a compound of the invention is co-administered with another therapeutic agent for the treatment and/or prophylaxis of arthritis (e.g. [rheumatoid arthritis](#)); particular agents include but are not limited to a list of agents including, but not limited to, for example but without limitation [methotrexate](#), [leflunomide](#), [sulfasalazine](#), [azathioprine](#), and [cyclosporin](#), and biological DMARDs (for example [etanercept](#), [Adalimumab](#), [Rituximab](#), and [Abatacept](#)).

[0216] In one embodiment, a compound of the invention is co-administered with another therapeutic agent for the treatment and/or prophylaxis of proliferative disorders; particular agents include but are not limited to: [methotrexate](#), [leukovorin](#), [adriamycin](#), [prenisone](#), [bleomycin](#), [cyclophosphamide](#), [5-fluorouracil](#), [paclitaxel](#), [docetaxel](#), [vincristine](#), [vinblastine](#), [vinorelbine](#), [doxorubicin](#), [tamoxifen](#), [toremifene](#), [megestrol acetate](#), [anastrozole](#), [goserelin](#), [anti-HER² monoclonal antibody](#) (e.g. [Herceptin™](#)), [capecitabine](#), [raloxifene hydrochloride](#), [EGFR inhibitors](#) (e.g. [Iressa®](#), [Tarceva™](#), [Erbix™](#)), [VEGF inhibitors](#) (e.g. [Avastin™](#)), [protease inhibitors](#) (e.g. [Velcade™](#)), [Glivec®](#) and [hsp90 inhibitors](#) (e.g. [17-AAG](#)). Additionally, a compound of the invention may be administered in combination with other therapies including, but not limited to, radiotherapy or surgery. In a specific embodiment the proliferative disorder is selected from cancer, myeloproliferative disease and leukaemia.

[0217] In one embodiment, a compound of the invention is co-administered with another therapeutic agent for the treatment and/or prophylaxis of autoimmune diseases, particular agents include but are not limited to: [glucocorticoids](#), [cytostatic agents](#) (e.g. [purine analogs](#)), [alkylating agents](#), (e.g. [nitrogen mustards](#) ([cyclophosphamide](#)), [nitrosoureas](#), [platinum compounds](#), and others), [antimetabolites](#) (e.g. [methotrexate](#), [azathioprine](#) and [mercaptopurine](#)), [cytotoxic antibiotics](#) (e.g. [dactinomycin](#), [anthracyclines](#), [mitomycin C](#), [bleomycin](#), and [mithramycin](#)), [antibodies](#) (e.g. [anti-CD20](#), [anti-CD25](#) or [anti-CD3 \(OTK3\) monoclonal antibodies](#), [Atgam®](#) and [Thymoglobuline®](#)), [cyclosporin](#), [tacrolimus](#), [rapamycin \(sirolimus\)](#), [interferons](#) (e.g. [IFN-β](#)), [TNF binding proteins](#) (e.g. [infiximab \(Remicade™\)](#), [etanercept \(Enbrel™\)](#), or [adalimumab \(Humira™\)](#)), [mycophenolate](#), [Fingolimod](#) and [Myriocin](#).

[0218] In one embodiment, a compound of the invention is co-administered with another therapeutic agent for the treatment and/or prophylaxis of transplantation rejection, particular agents include but are not limited to: [calcineurin inhibitors](#) (e.g. [cyclosporin](#) or [tacrolimus \(FK506\)](#)), [mTOR inhibitors](#) (e.g. [sirolimus](#), [everolimus](#)), [anti-proliferatives](#) (e.g. [azathioprine](#), [mycophenolic acid](#)), [corticosteroids](#) (e.g. [prednisolone](#), [hydrocortisone](#)), [Antibodies](#) (e.g. [monoclonal anti-IL-2Ra receptor antibodies](#), [basiliximab](#), [daclizumab](#)), [polyclonal anti-T-cell antibodies](#) (e.g. [anti-thymocyte globulin \(ATG\)](#), [anti-lymphocyte globulin \(ALG\)](#)).

[0219] In one embodiment, a compound of the invention is co-administered with another therapeutic agent for the treatment and/or prophylaxis of asthma and/or rhinitis and/or COPD, particular agents include but are not limited to: [beta2-adrenoceptor agonists](#) (e.g. [salbutamol](#), [levalbuterol](#), [terbutaline](#) and [bitolterol](#)), [epinephrine](#) (inhaled or tablets), [anticholinergics](#) (e.g. [ipratropium bromide](#)), [glucocorticoids](#) (oral or inhaled) [Long-acting p2-agonists](#) (e.g. [salmeterol](#), [formoterol](#), [bambuterol](#), and [sustained-release oral albuterol](#)), combinations of inhaled steroids and long-acting bronchodilators (e.g. [fluticasone/salmeterol](#)),



Sulfasalazine

, the regimen for treatment usually stretches over many months or years so oral dosing is preferred for patient convenience and several doses per day are representative regimens. Using these dosing patterns with particular doses each providing from about 0.1 to about 10 mg/kg

achieved using injection doses.

administered to a patient at risk for developing the condition, typically including those who are at risk for developing a particular condition generally include those that have a family history of the condition, or those who are at risk of developing the condition.

administered in combination with other therapeutic agents, including those that have a family history of the condition, or those who are at risk of developing the condition.

combined administration. In a specific embodiment, co-administration of two (or more) agents allows for significantly lower doses of each agent.

In one embodiment, a compound of the invention is administered as a medicament. In a specific embodiment, said pharmaceutical composition

agent for the treatment and/or prophylaxis of a disease involving inflammation; particular agents include, but are not limited to (e.g. [dexamethasone](#)), [cyclophosphamide](#), [cyclosporin A](#), [tacrolimus](#), [Mycophenolate mofetil](#), [acetaminophen](#), [ibuprofen](#), [naproxen](#), and [piroxicam](#).

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1. (WO2012065681) AUTOMATED LANDING OF UNMANNED AERIAL VEHICLES

PCT Biblio. Data Description Claims National Phase Notices Drawings Documents

Latest bibliographic data on file with the International Bureau [PermaLink](#)

Pub. No.: WO/2012/065681 International Application No.: PCT/EP2011/005336
Publication Date: 24.05.2012 International Filing Date: 22.10.2011
IPC: G05D 1/06 (2006.01)

Applicants: RHEINMETALL DEFENSE ELECTRONICS GMBH [DE/DE]; Brüggeweg 54 28309 Bremen (DE) (For All Designated States Except US).
MARTINKAT, Norbert [DE/DE] (For US Only).
BLOHM, Christian [DE/DE] (For US Only)

Inventors: MARTINKAT, Norbert [DE/DE]
BLOHM, Christian [DE/DE]

Agent: THUL, Hermann; Thul Patent-Anwalts-gesellschaft mbH Rheinmetall Platz 1 40476 Düsseldorf (DE)

Priority Data: 10 2010 051 561.2 18.11.2010 DE

Title: (DE) AUTOMATISIERTE LANDUNG UNBEMANNTER FLUGOBJEKTE
(EN) AUTOMATED LANDING OF UNMANNED AERIAL VEHICLES
(FR) ATERRISSAGE AUTOMATISÉ DE DRONES

Abstract: (DE) Die Erfindung betrifft ein Verfahren zur Unterstützung einer automatisierten Landung eines unbemannten Flugobjekts (2) auf einem Zielpunkt einer Landefläche (16) einer Bodeneinheit (3) mit den Verfahrensschritten - Ermitteln eines Anflugvektors, der von dem Zielpunkt in Richtung des Flugobjekts (2) weist, an der Bodeneinheit (3), - Senden des Anflugvektors an das Flugobjekt (2) und - Steuern des Flugobjekts (2) anhand des empfangenen Anflugvektors.
(EN) The invention relates to a method for assisting the automated landing of an unmanned aerial vehicle (2) on a target of a landing surface (16) on a ground unit (3). The invention comprises the following steps: determination of an approach vector in the ground unit (3), said vector extending from the target towards the aerial vehicle (2); transmission of the approach vector to the aerial vehicle (2); and steering of the aerial vehicle (2) using the received approach vector.
(FR) L'invention concerne un procédé d'assistance à l'atterrissage automatisé d'un drone (2) sur un point cible d'une surface d'atterrissage (16) d'une unité au sol (3), ce procédé comportant les étapes consistant à déterminer un vecteur d'approche sur l'unité au sol (3), ce vecteur étant orienté vers le drone (2) à partir du point cible, à envoyer le vecteur d'approche au drone (2) et à commander le drone (2) en fonction du secteur d'approche reçu.

Designated States: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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.
African Regional Intellectual Property Organization (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW)
Eurasian Patent Organization (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM)

TIP 4 National Phase Information and Examination Reports (WIPO CASE Dossier)



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169. (WO2012065681) AUTOMATED LANDING OF UNMANNED AERIAL VEHICLES

PCT Biblio. Data Description Claims National Phase Notices Drawings Documents



Available information on National Phase entries([more information](#))

Office	Entry Date	National Number	National Status
European Patent Office	22.04.2013	2011775741	Published: 25.09.2013

Machine translation

1. (WO2012065681) AUTOMATED LANDING OF UNMANNED AERIAL VEHICLES

PCT Biblio. Data Description Claims National Phase Notices Drawings Documents

International Application Status			
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10.02.2017	International Application Status Report	HTML, PDF	PDF, XML

Published International Application			
Date	Title	View	Download
24.05.2012	Initial Publication without ISR (A2 21/2012)	PDF (16p.)	PDF (16p.), ZIP(XML + TIFFs)
26.07.2012	Later publication of international search report (A3 30/2012)	PDF (6p.)	PDF (6p.), ZIP(XML + TIFFs)

Search and Examination-Related Documents			
Date	Title	View	Download
21.05.2013	(IB/373) International Preliminary Report on Patentability Chapter I	PDF (6p.)	PDF (6p.), ZIP(XML + TIFFs)
18.05.2013	Written Opinion of the International Search Authority	PDF (5p.)	PDF (5p.), ZIP(XML + TIFFs)
18.05.2013	English Translation of the Written Opinion of the International Search Authority	PDF (5p.)	PDF (5p.), ZIP(XML + TIFFs)
04.06.2012	Translation of the ISR	PDF (2p.)	PDF (2p.), ZIP(XML + TIFFs)
04.06.2012	International Search Report	PDF (3p.)	PDF (3p.), ZIP(XML + TIFFs)

Related Documents on file at the International Bureau			
Date	Title	View	Download
21.05.2013	(IB/326) Notification of Transmittal of Copies of International Preliminary Report on Patentability Chapter I	PDF (1p.)	PDF (1p.), ZIP(XML + TIFFs)
21.05.2013	(IB/373) English Translation of International Preliminary Report on Patentability Chapter I	PDF (6p.)	PDF (6p.), ZIP(XML + TIFFs)
12.03.2013	(IB/308) Notice Informing the Applicant of the Communication of the International Application to the Designated Offices	PDF (1p.)	PDF (1p.), ZIP(XML + TIFFs)
17.07.2012	(IB/311) Notification Concerning Availability of Publication of the International Application	PDF (1p.)	PDF (1p.), ZIP(XML + TIFFs)
12.06.2012	(IB/308) Notice Informing the Applicant of the Communication of the International Application to the Designated Offices	PDF (1p.)	PDF (1p.), ZIP(XML + TIFFs)
24.05.2012	(IB/311) Notification Concerning Availability of Publication of the International Application	PDF (1p.)	PDF (1p.), ZIP(XML + TIFFs)
24.05.2012	Application Body as Filed	PDF (15p.)	PDF (15p.), ZIP(XML + TIFFs)
24.05.2012	(IB/301) Notification of receipt of record copy	PDF (1p.)	PDF (1p.), ZIP(XML + TIFFs)

TIP 5 WIPO Translate



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Machine translation

2. (CN204423159) Novel universal obstacle avoiding module for drone

National Biblio. Data Description Claims Drawings Documents

Note: Text based on automatic Optical Character Recognition processes. Please use the PDF version for legal matters

权利要求书

1.一种新型无人机通用避障模块，其特征是，由距离传感器，惯性传感器、单片机以及无线通信模块组成；其连接结构为：距离传感器，惯性传感器、无线通信模块、分别连接单片机；单片机还分别连接无人机飞控、遥控接收机；其中，距离传感器用于探测无人机与障碍物之间的距离，惯性传感器用于补偿因无人机飞行时的倾斜而引起的距离误差，无线通信模块负责传输无人机的飞行状态，单片机用于数据的处理。

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WIPO launched Neural Machine Translation (AI) for Asian Languages in October 2016

Access to the world's IP information

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PATENTSCOPE

58,220,000 international and national patent documents

Global Brand Database

27,960,000 international and national records of trademarks, appellations of origin and emblems

ROMARIN

International marks recorded under the Madrid System

Global Design Database

1,700,000 industrial design registrations from the Hague System and participating national collections

WIPO Lex

14,100 records of national IP laws and treaties of some 200 countries

IP for development

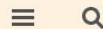
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Patent translator flies artificial intelligence flag for public sector

UN agency outpaces tech groups to develop machine adept with technical language

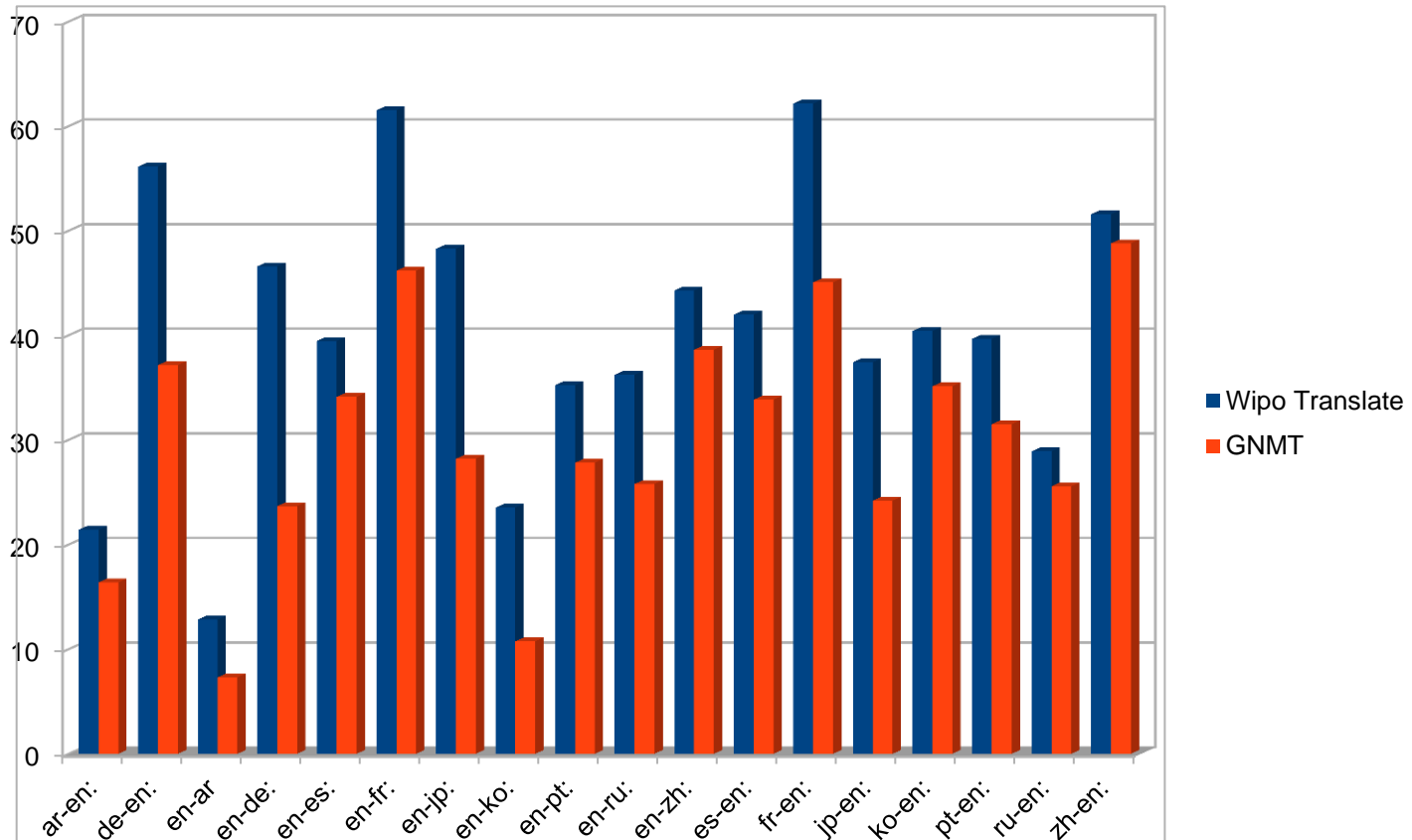
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WIPO Translate

Competitive translation quality: BLEU scores:



WIPO Translation beta version Chinese, Japanese - English

patentscope.wipo.int/translate/demoNmt.jsf



TRANSLATE

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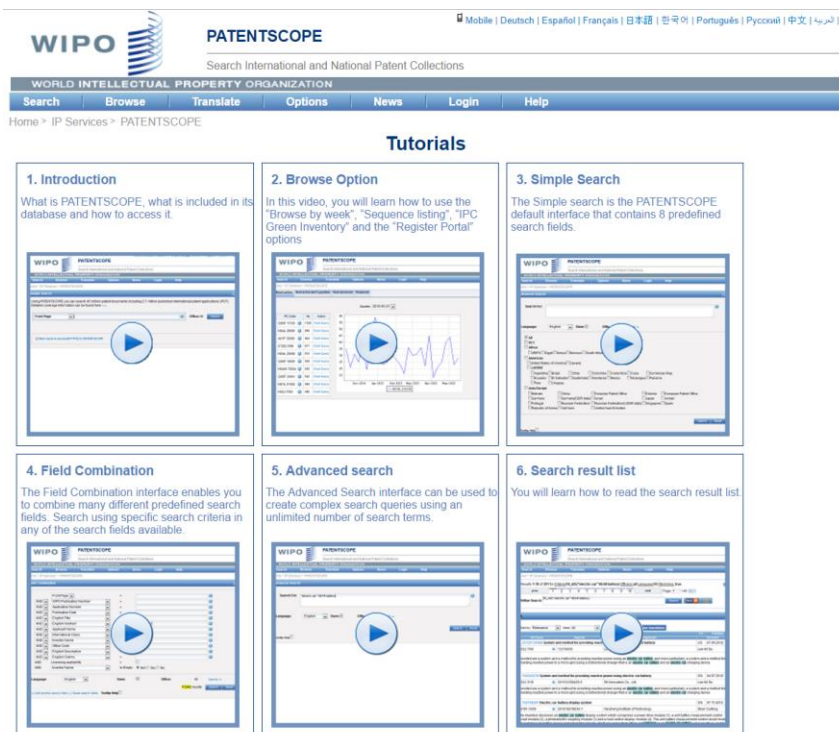
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Tutorials

- 1. Introduction**
What is PATENTSCOPE, what is included in its database and how to access it.
- 2. Browse Option**
In this video, you will learn how to use the "Browse by week", "Sequence listing", "IPC Green Inventory" and the "Register Portal" options.
- 3. Simple Search**
The Simple search is the PATENTSCOPE default interface that contains 8 predefined search fields.
- 4. Field Combination**
The Field Combination interface enables you to combine many different predefined search fields. Search using specific search criteria in any of the search fields available.
- 5. Advanced search**
The Advanced Search interface can be used to create complex search queries using an unlimited number of search terms.
- 6. Search result list**
You will learn how to read the search result list.



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Register for upcoming webinars

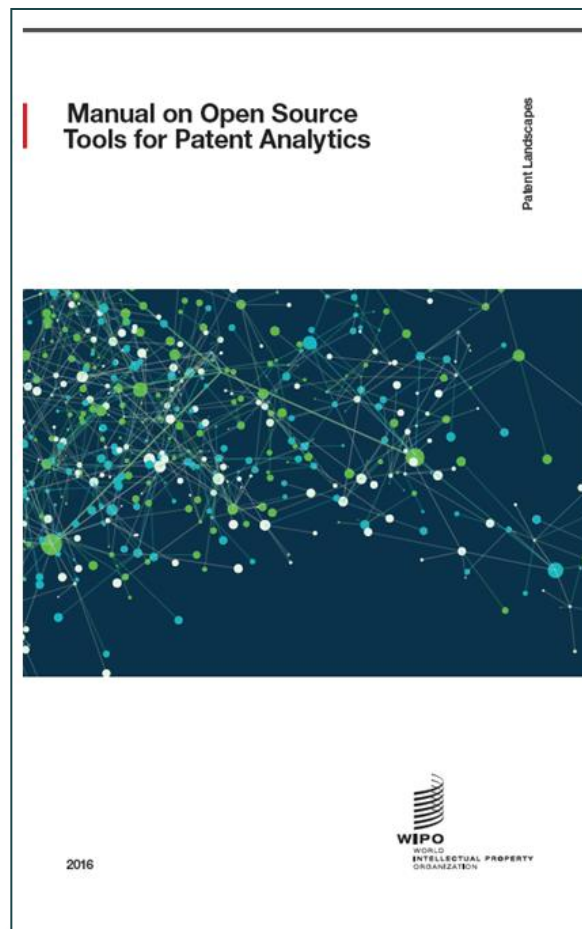
- [Overview of PATENTSCOPE](#) (February 14 or 16, 2017)
- [Complex queries in PATENTSCOPE](#) (March 14 or 16, 2017)
- [Result list and analysis tools in PATENTSCOPE](#) (April 25 or 27, 2017)
- [Cross-lingual Information Retrieval tool \(CLIR\) in details](#) (May 9 or 11, 2017)

Past events

Title	Description
Chemical structure search PPT	Chemical structure search

The Manual on Open Source Tools for Patent Analytics

- Aimed at exploring:
 - various free and open source tools which could be used for various patent analysis tasks by users in developing countries
 - Includes walkthrough for using selected software for various analytics tasks



<https://wipo-analytics.github.io>

WIPO Lex

WIPO Lex – WIPO's IP Laws Database

- IP Treaties
- National IP laws and regulations (more than 200 nations)
- Bibliographic data and a brief note of explanation
- Full text in the original language and in English
- Machine translation available
- More than 14,000 records

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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IP Legislation

Treaties

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All news

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China

Decision Amending the Measures on Administrative Enforcement of Patents (issued by Order No. 71 of May 29, 2015, of the State Intellectual Property Office (SIPO))

Shortcuts

[China](#)

Year of Version:	2015
Date of Entry into Force:	July 1, 2015
Date of Text (Issued):	May 29, 2015
Type of Text:	Implementing Rules/Regulations
Subject Matter:	Enforcement of IP and Related Laws, IP Regulatory Body, Patents (Inventions)
Available Texts:	
Chinese	国家知识产权局关于修改〈专利行政执法办法〉的决定 (经中华人民共和国国家知识产权局局务会于2015年5月29日审议通过, 自2015年7月1日起施行) PDF HTML (Version with Automatic Translation Tool)
Related Legislation:	Amends <ul style="list-style-type: none">• Measures on Administrative Enforcement of Patents (as amended on July 1, 2015) (CN398)
WIPO Lex No.:	CN397



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WIPO's Response

- Legal Framework (IP treaties)
- Systems (PCT, Madrid, Hague, AMC)
- Global IP Infrastructure
 - Global IP Data Standardization (IPOs)
 - Global generation of digital IP data (IPOs)
 - Global Databases (IPOs and users)
 - ➔ ■ Global Platforms (IPOs and users)

Use Global Platforms for Your IP Management

- Save cost of transmission of Priority Documents
Digital Access System (DAS)
- Investigate competitors' patents
WIPO CASE (feeding dossier info to PATENTSCOPE)
- Find partners for Green technology
WIPO GREEN
- Find partners for new bio/medical products
WIPO RE:SEARCH

WIPO DAS
**(Digital Access System
for transmitting priority documents)**

WIPO Digital Access System (DAS)

- DAS (Digital Access System) used by 14 IPOs
- A System that allows IPOs and applicants to securely exchange or submit a digital copy of priority documents to multiple IPOs

The screenshot shows the Australian Government IP Australia website. At the top left is the Australian Government logo and the text "Australian Government IP Australia". To the right are links for "About us" and "Contact us". Below this is a navigation bar with a home icon and links for "Patents", "Trade marks", "Designs", "Plant breeder's rights", "Understanding IP", "IP infringement", and "Tools & resources". A search bar with the text "Search website" and a magnifying glass icon is also present. The main content area features a large image of a man's face with the text "Priority Document Access Service (DAS)" overlaid. At the bottom left, there is a section titled "HOW TO FILE AN INTERNATIONAL APPLICATION ONLINE". In the center, there is a "Listen to this page" button with a play icon. To the right of this button, there is a paragraph of text: "The Priority Document Access Service (DAS) offers a simple and secure digital alternative to filing paper copies of priority documents with multiple patent offices. This service is administered by the International Bureau of the World Intellectual Property". At the bottom right, the WIPO logo is displayed, consisting of the text "WIPO" in large blue letters, "WORLD INTELLECTUAL PROPERTY ORGANIZATION" in smaller blue letters below it, and a vertical line to the right.

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Priority Document Access Service (DAS)

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The Priority Document Access Service (DAS) offers a simple and secure digital alternative to filing paper copies of priority documents with multiple patent offices. This service is administered by the International Bureau of the World Intellectual Property

WIPO
WORLD INTELLECTUAL PROPERTY ORGANIZATION

WIPO CASE
**(Centralized Access to
Search and Examination)**

WIPO CASE Membership – Providing Offices

Providing Offices	Notes
Australia	
Brunei Darussalam	Final technical preparation
Canada	
Chile	Final technical preparation
China	
EPO	
Israel	
Japan	
Republic of Korea	
IB (PCT)	Providing office only, for PCT documentation.
United Kingdom	
United States of America	Initially a providing office only.

Over 30 million patent applications searchable in WIPO CASE (access given to participating IPOs only). However, dossier information of EPO, JPO, CIPO are made available at PATENTSCOPE. USPTO, SIPO (China), KIPO (Korea) and IP Australia dossier will be added soon.

WIPO CASE Membership – Accessing Offices

Accessing-only Offices	Notes	Accessing-only Offices	Notes
Cambodia		Papua New Guinea	
Eurasian Patent Organization (EAPO)		Philippines	
India		Singapore	Indicated willingness to become a providing office.
Indonesia		Thailand	
Lao PDR		Viet Nam	
Malaysia			
Mongolia			
New Zealand	Indicated willingness to become a providing office.		

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- Total: 27,606 (based on Counts of Accessed Documents)
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Office	Recent Usage	
	Count	Percentage of Total
WO (PCT)	20896	76%
AU	2108	8%
GB	1466	5%
CA	726	3%
US	700	3%
JP	663	2%
CN	544	2%
IL	430	2%

■ As Accessing Office

Office	Recent Usage	
	Count	Percentage of Total
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JP	7868	29%
KR	4113	15%
EP	2213	8%
GB	1683	6%
PH	992	4%
AU	989	4%
CA	747	3%
ID	394	1%
NZ	120	0%

Public Access

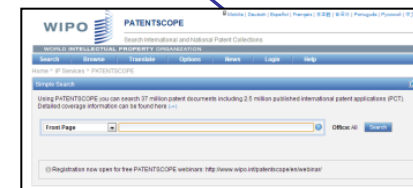


Public Users

IP 5 Public Dossier



Patentscope Public Access

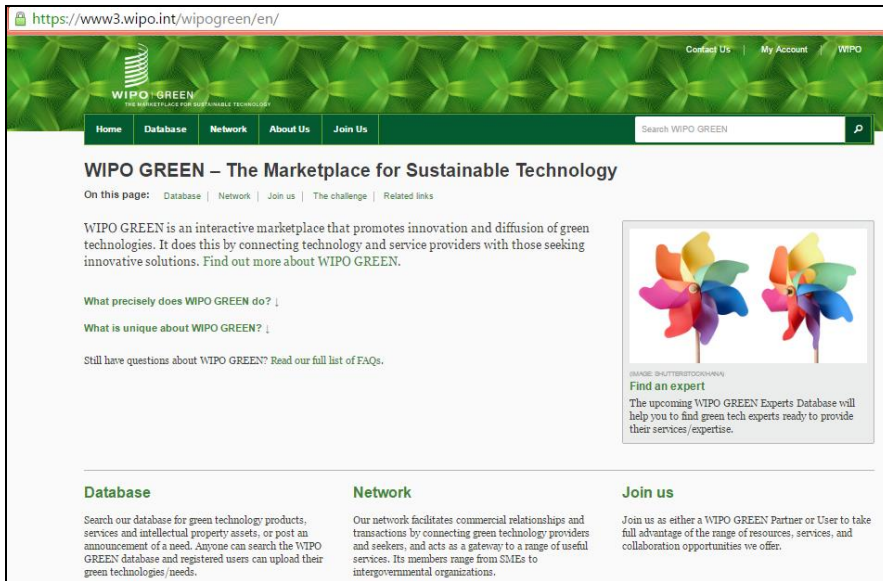


Status

- IP5 “Global Dossier” available to public in EP, JP and US
- Offices allowing public access: IP5, plus WO/PCT, AU, CA (more to confirm soon)
- Public access via Patentscope – First 3 IPOs dossier available at the end of January 2017

Multi-stakeholder Platforms

WIPO GREEN



The screenshot shows the homepage of the WIPO GREEN website. The URL is <https://www3.wipo.int/wipogreen/en/>. The header features the WIPO GREEN logo and navigation links for Home, Database, Network, About Us, and Join Us. A search bar is located in the top right. The main content area is titled "WIPO GREEN – The Marketplace for Sustainable Technology" and includes a brief description of the platform's purpose. Below this, there are sections for "What precisely does WIPO GREEN do?", "What is unique about WIPO GREEN?", and "Still have questions about WIPO GREEN?". A featured image of two colorful pinwheels is accompanied by a "Find an expert" section. At the bottom, there are three columns: "Database", "Network", and "Join us", each with a short description of the service.

<https://www3.wipo.int/wipogreen/en/>

WIPO GREEN
THE MARKETPLACE FOR SUSTAINABLE TECHNOLOGY

Home Database Network About Us Join Us Search WIPO GREEN

WIPO GREEN – The Marketplace for Sustainable Technology


On this page: Database | Network | Join us | The challenge | Related links

WIPO GREEN is an interactive marketplace that promotes innovation and diffusion of green technologies. It does this by connecting technology and service providers with those seeking innovative solutions. Find out more about WIPO GREEN.

What precisely does WIPO GREEN do? ↓

What is unique about WIPO GREEN? ↓

Still have questions about WIPO GREEN? Read our full list of FAQs.



BRANDE: SHUTTERSTOCK/ANVUS

Find an expert

The upcoming WIPO GREEN Experts Database will help you to find green tech experts ready to provide their services/expertise.

Database

Search our database for green technology products, services and intellectual property assets, or post an announcement of a need. Anyone can search the WIPO GREEN database and registered users can upload their green technologies/needs.

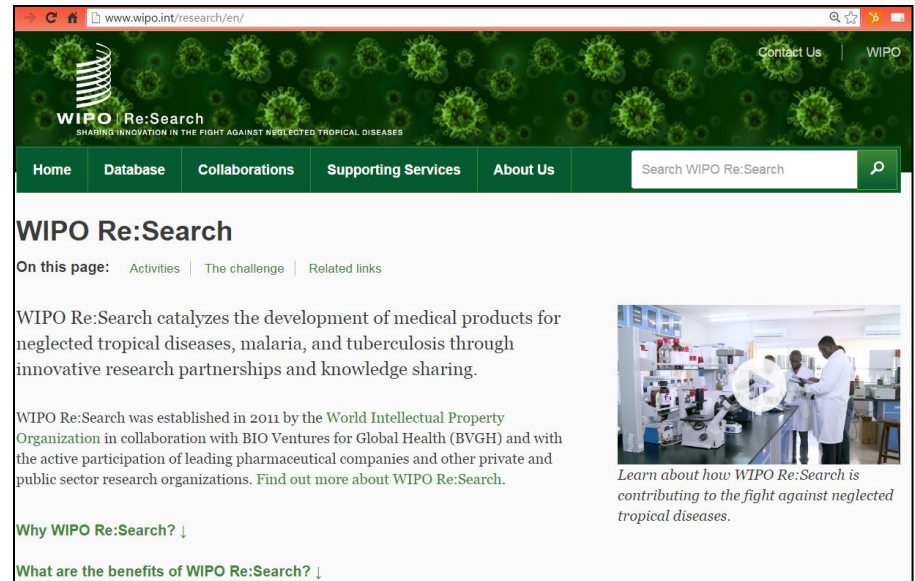
Network

Our network facilitates commercial relationships and transactions by connecting green technology providers and seekers, and acts as a gateway to a range of useful services. Its members range from SMEs to intergovernmental organizations.

Join us

Join us as either a WIPO GREEN Partner or User to take full advantage of the range of resources, services, and collaboration opportunities we offer.

WIPO Re:Search



The screenshot shows the homepage of the WIPO Re:Search website. The URL is www.wipo.int/research/en/. The header features the WIPO Re:Search logo and navigation links for Home, Database, Collaborations, Supporting Services, and About Us. A search bar is located in the top right. The main content area is titled "WIPO Re:Search" and includes a brief description of the platform's purpose. Below this, there are sections for "On this page:", "WIPO Re:Search was established in 2011 by the World Intellectual Property Organization in collaboration with BIO Ventures for Global Health (BVGH) and with the active participation of leading pharmaceutical companies and other private and public sector research organizations.", "Why WIPO Re:Search?", and "What are the benefits of WIPO Re:Search?". A featured image of a laboratory setting is accompanied by a caption: "Learn about how WIPO Re:Search is contributing to the fight against neglected tropical diseases."

www.wipo.int/research/en/

WIPO Re:Search
SHARING INNOVATION IN THE FIGHT AGAINST NEGLECTED TROPICAL DISEASES

Home Database Collaborations Supporting Services About Us Search WIPO Re:Search

WIPO Re:Search


On this page: Activities | The challenge | Related links

WIPO Re:Search catalyzes the development of medical products for neglected tropical diseases, malaria, and tuberculosis through innovative research partnerships and knowledge sharing.

WIPO Re:Search was established in 2011 by the World Intellectual Property Organization in collaboration with BIO Ventures for Global Health (BVGH) and with the active participation of leading pharmaceutical companies and other private and public sector research organizations. Find out more about WIPO Re:Search.

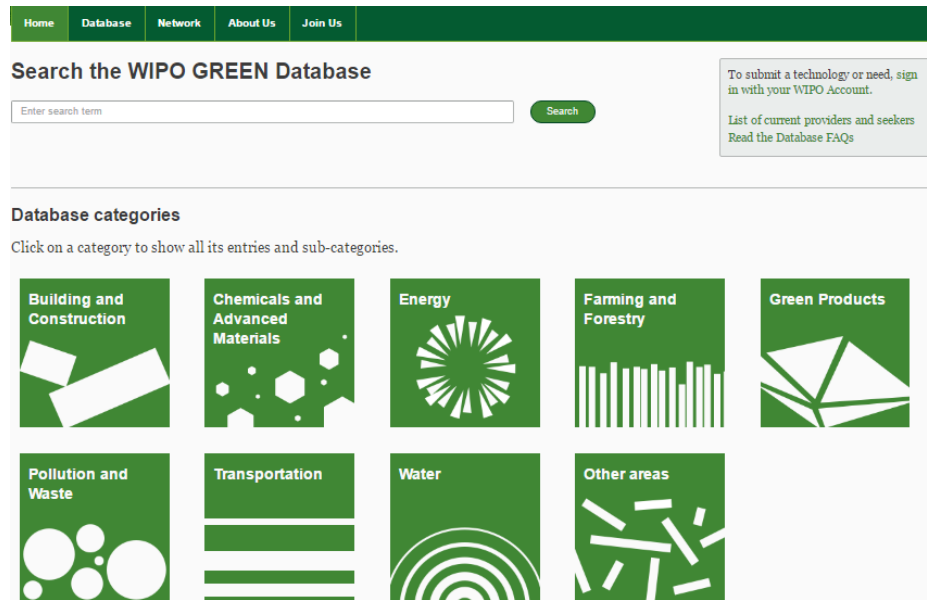
Why WIPO Re:Search? ↓

What are the benefits of WIPO Re:Search? ↓



Learn about how WIPO Re:Search is contributing to the fight against neglected tropical diseases.

WIPO Green



<https://www3.wipo.int/wipogreen>

- The marketplace for sustainable technology: search functionality for technology providers and seekers
- Network of green technologies stakeholders
- Grouped in 9 technology areas

WIPO Green example: Energy



Search the WIPO GREEN Database

To submit a technology or need, [sign in with your WIPO Account](#).

[List of current providers and seekers](#)
[Read the Database FAQs](#)

Results per page: ▾

All Results

- Technologies (1220)
- Needs (30)

All Categories

- Energy (1250)
 - Solar (327)
 - Biomass/Bioenergy (217)
 - Energy efficiency (152)
 - Energy storage (149)
 - Energy generation (Others) (134)
 - Fuel cells (98)
 - Other (53)
 - Wind (48)
 - Waste to energy (35)
 - ICT in energy (31)
 - Energy distribution (24)

Showing 1-10 of 1250 results > Database Search > Energy

- 1- 10
- 11- 20
- 21- 30
- 31- 40
- 41- 50
- 51- 60
- 61- 70
- 71- 80
- 81- 90
- 91- 100
- ...
- 1241-1250
- »

Powerful New Enzyme for Transforming Biomass

Background:

Converting plant cellulose and hemicellulose into fermentable sugars is a major bottleneck in the biofuel industry. Chemical pretreatment and enzyme hydrolysis (breakdown) usually are required.

Among chemical pretreatments, ammonia fiber expansion (AFEX) alkaline pretreatment has many advantages.

Last updated: December 21, 2015

Submitted by: Wisconsin Alumni Research Foundation (WARF)

Simplified Daylight Harvesting

WIPO Re:Search

■ Initiative in the field of neglected diseases, tuberculosis and malaria

■ Includes a database with information on availability of IP rights and other information

■ Based on the principle of voluntary contribution

The screenshot displays the search interface for WIPO Re:Search. It features two tabs at the top: 'Structured Search' and 'Full Text Search'. Below the tabs, there are three main filter sections:

- Provider:** A list of 30 institutions, each with a checkbox. The list includes Aberystwyth University, African Institute of Biomedical Sciences and Technology (AIBST), Alnylam, Caltech, Center for Infectious Disease Research, Center for World Health and Medicine (CWHM), Centre of Excellence for Malaria Diagnosis, University of Lagos, Drugs for Neglected Diseases initiative (DNDI), Eisai, Eskitis Institute, GlaxoSmithKline (GSK), Infectious Disease Research Institute (IDRI), International Centre for Genetic Engineering and Biotechnology (ICGEB), International Vaccine Institute (IVI), Kumasi Centre for Research in Tropical Medicine (KCRTM), Liverpool School of Tropical Medicine (LSTM), Massachusetts Institute of Technology (MIT), McGill University (McGill), Medical Research Council of South Africa (MRC), Medicines for Malaria Venture (MMV), Merck (MSD), National Institute of Parasitic Diseases, China, National University of Singapore, NIH (USA), Northeastern University (NEU), Novartis, PATH, and Pfizer.
- Disease:** A dropdown menu with the following options: Unknown or Others, Buruli Ulcer, Chagas disease (American trypanosomiasis), Cysticercosis, Dengue/dengue hemorrhagic fever, Dracunculiasis (guinea-worm disease), Echinococcosis, Endemic treponematoses (Yaws), Foodborne trematode infections (Clonorchiasis, Fascioliasis), and Human African trypanosomiasis.
- Type of data:** A dropdown menu with the following options: Screening, Hits Data, Hit-to-Lead, Lead Series, Pre-Clinical Candidate, Clinical Candidate, Marketed Product, Enabling Technology (platform), Intellectual Property (patents), Formulation, Diagnostic Tool, Vaccine Technology, New Biological Entity, and Other Data, Know-how, Services, Resources.

At the bottom of the interface, there are two buttons: 'Search' and 'Reset'.

Conclusion

■ Global Databases

- Brand DB
- Design DB
- PATENTSCOPE (5 Great TIPs)
- WIPO Lex

■ Global Platforms

- DAS
- WIPO CASE
- WIPO GREEN
- WIPO Re:Search

Thank you!
yo.takagi@wipo.int