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Roving Seminar on WIPO Services and Initiatives

Perth, Australia
24 March 2017

Introduction to WIPO

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

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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."

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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

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

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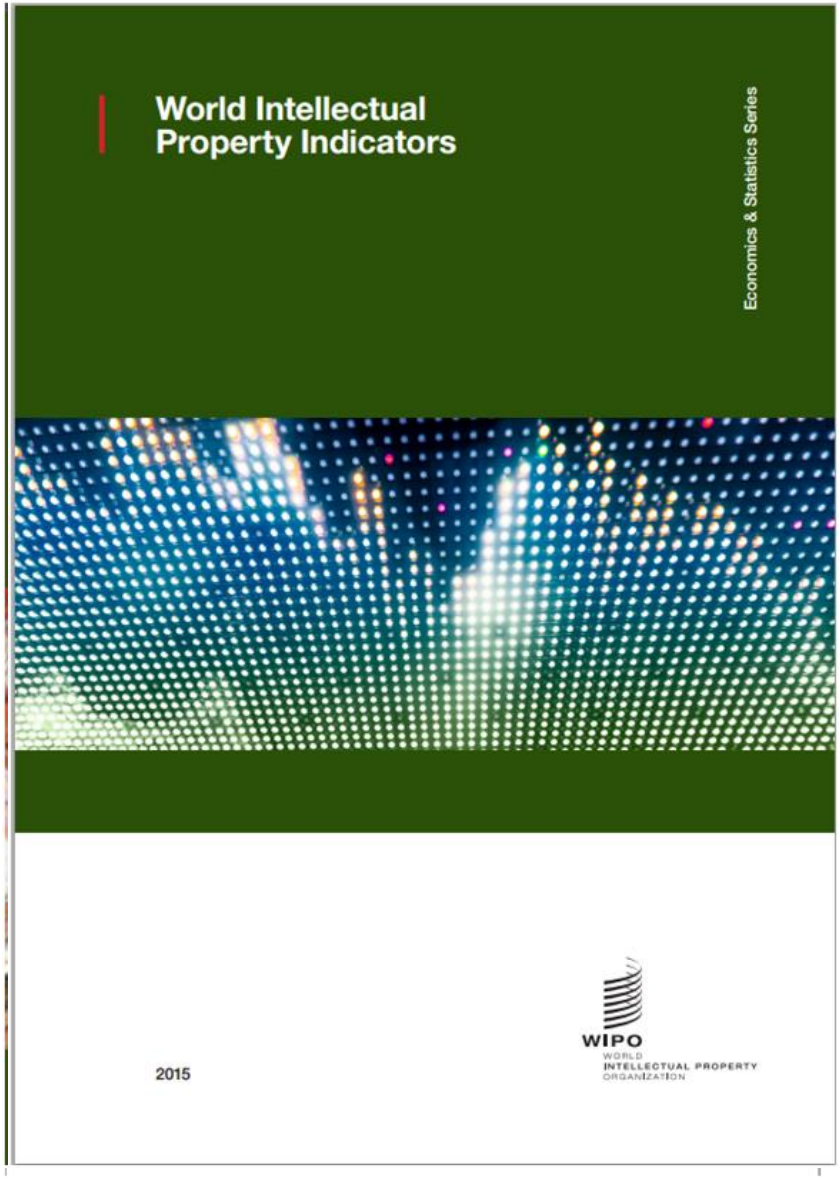
Major Economic Studies on IP



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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

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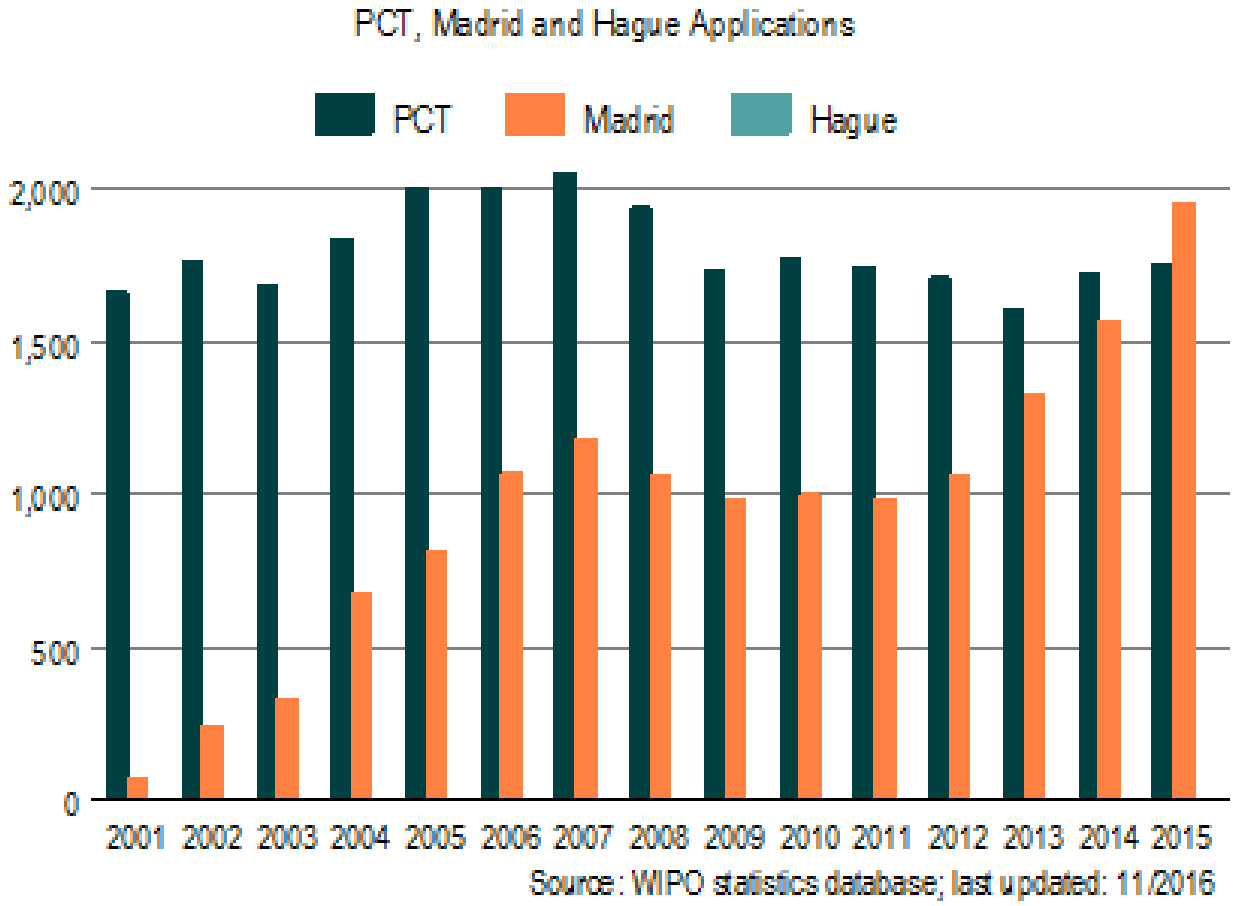
The Global Innovation Index

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)



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

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WIPO Services & Initiatives

The Patent Cooperation Treaty (PCT)

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

Perth, Australia
24 March 2017

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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."

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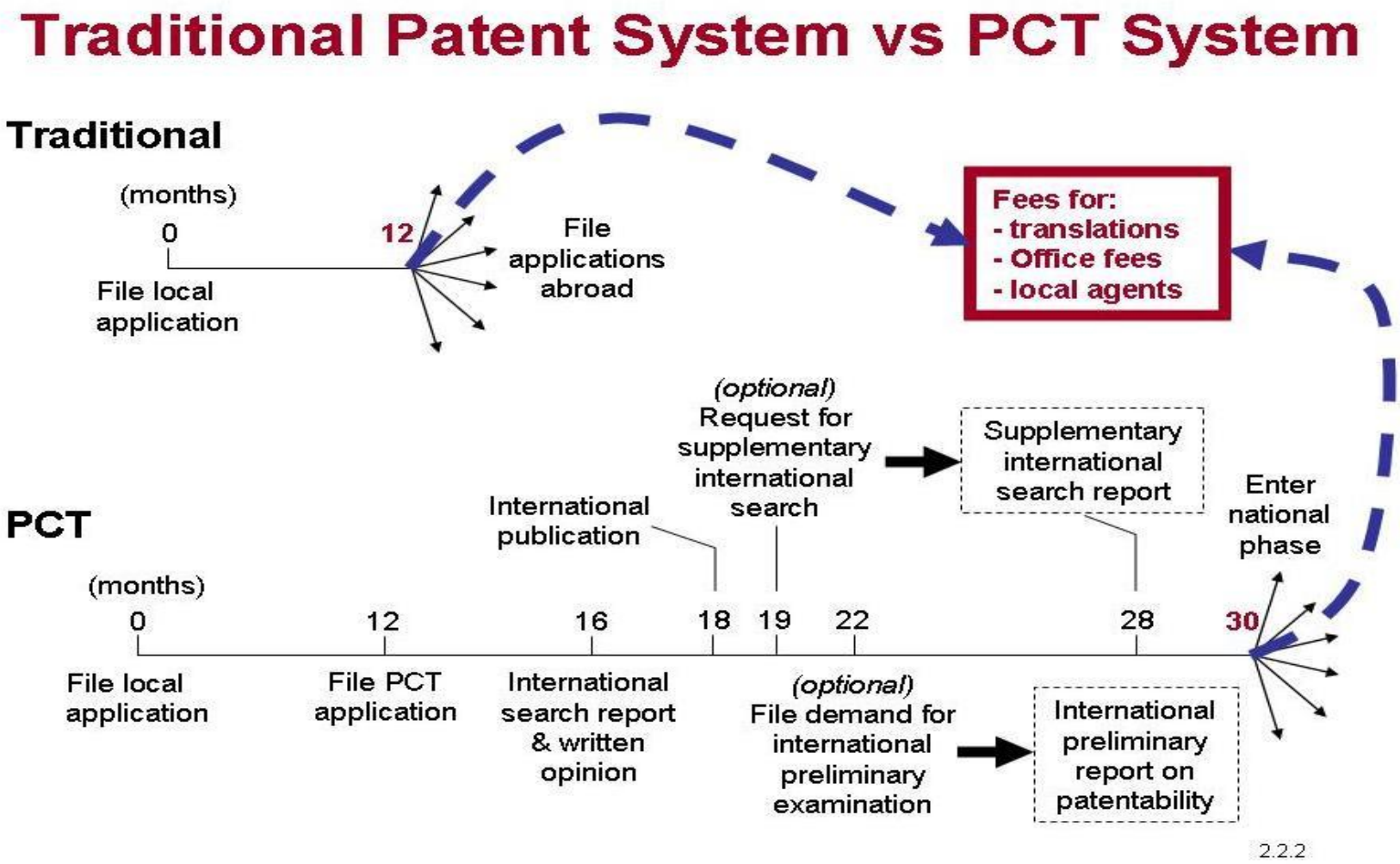
PCT - Seek Patents Globally



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
	GB 392415 A (JONES) 18 May 1933 (18.05.33)	
X	Fig. 1	1-3
Y	page 3, lines 5-7	4, 10
A	Fig. 5, support 36	11-12
	GB 2174500 A (STC) 5 November 1986 (05.11.86)	
X	page 1, lines 5-15, 22-34, 46-80; Fig. 1	1-3
Y		4
	US 4322752 A (BIXTY) 30 March 1982 (30.03.82)	
A	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

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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

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PCT Coverage: 152 States

=PCT

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
Equatorial Guinea
Estonia
Finland
France
Gabon
Gambia
Georgia
Germany
Ghana
Greece
Grenada
Guatemala
Guinea

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

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

Poland
Portugal
Qatar
Republic of Korea
Republic of Moldova
Romania
Rwanda
Russian Federation
Saint Lucia
Saint Vincent and the Grenadines
San Marino
Sao Tomé e Principe
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

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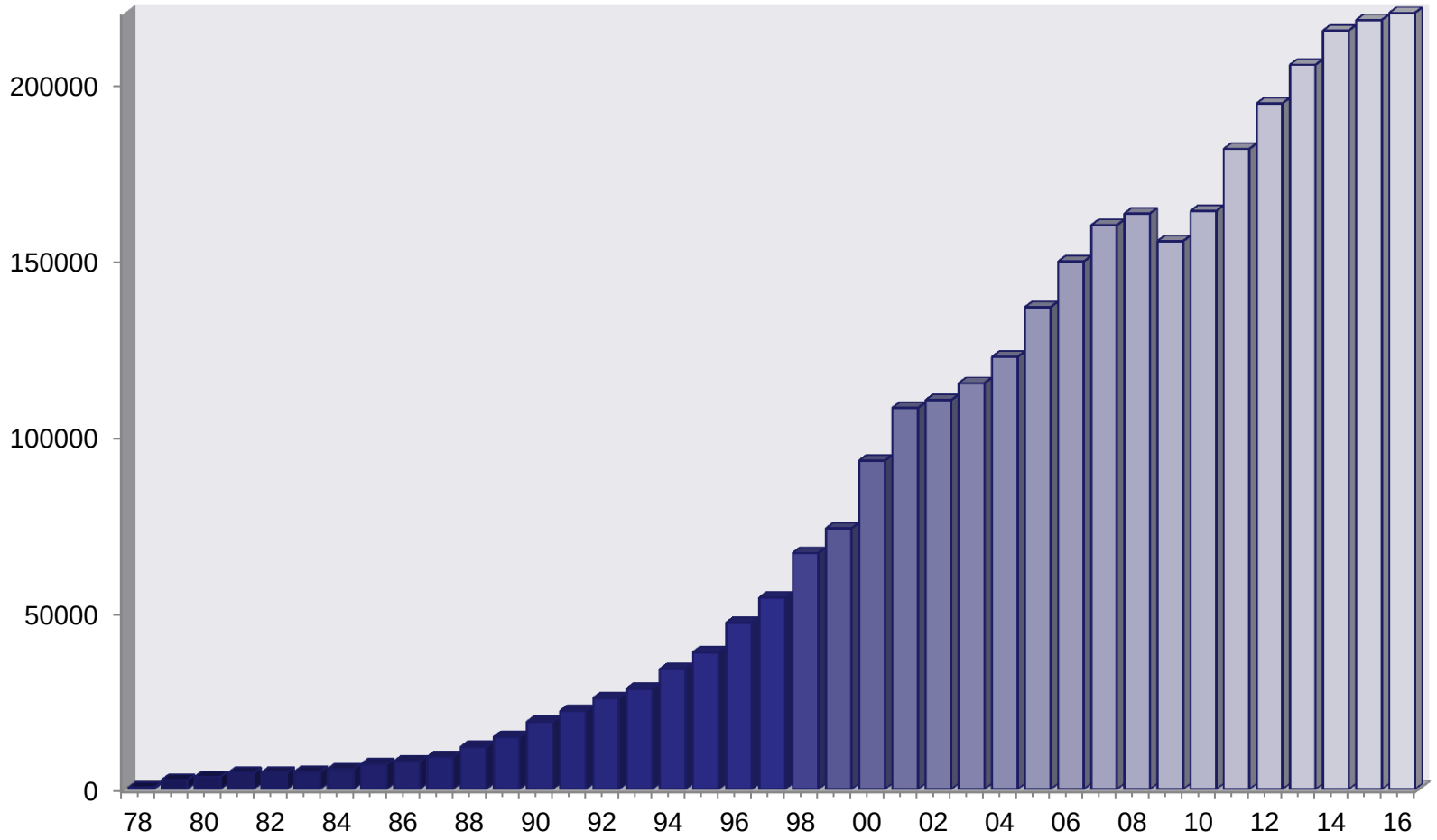
PCT Applications



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

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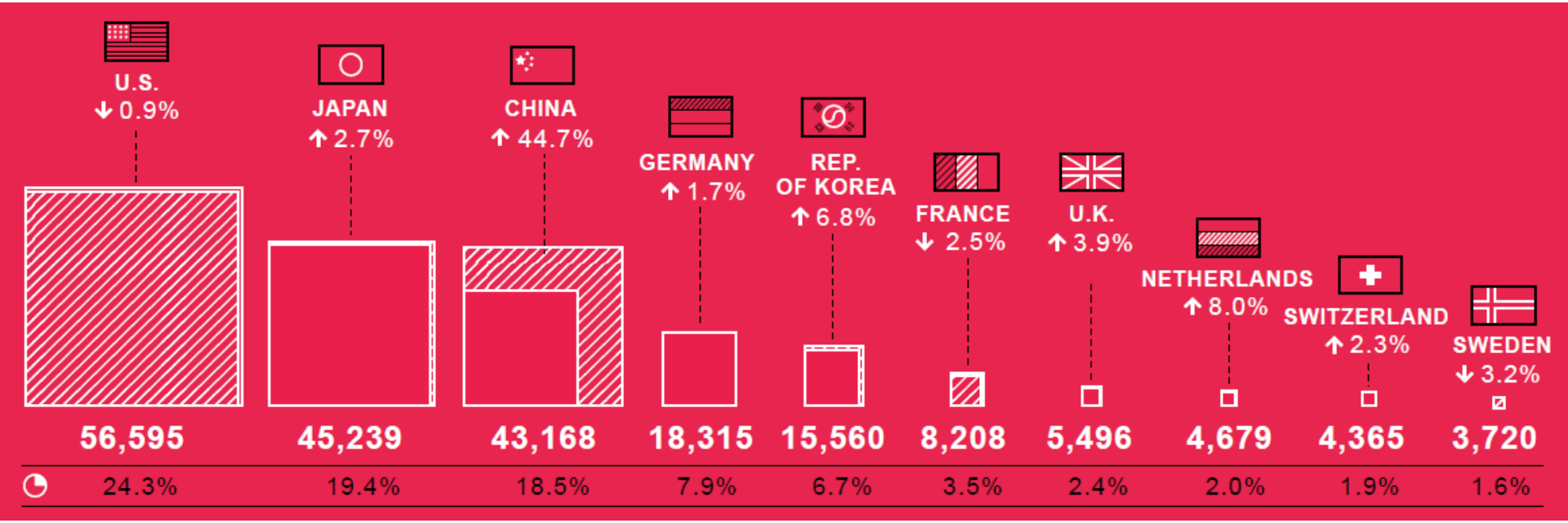
International applications received in 2016 by country of origin



Number of applications and share of total

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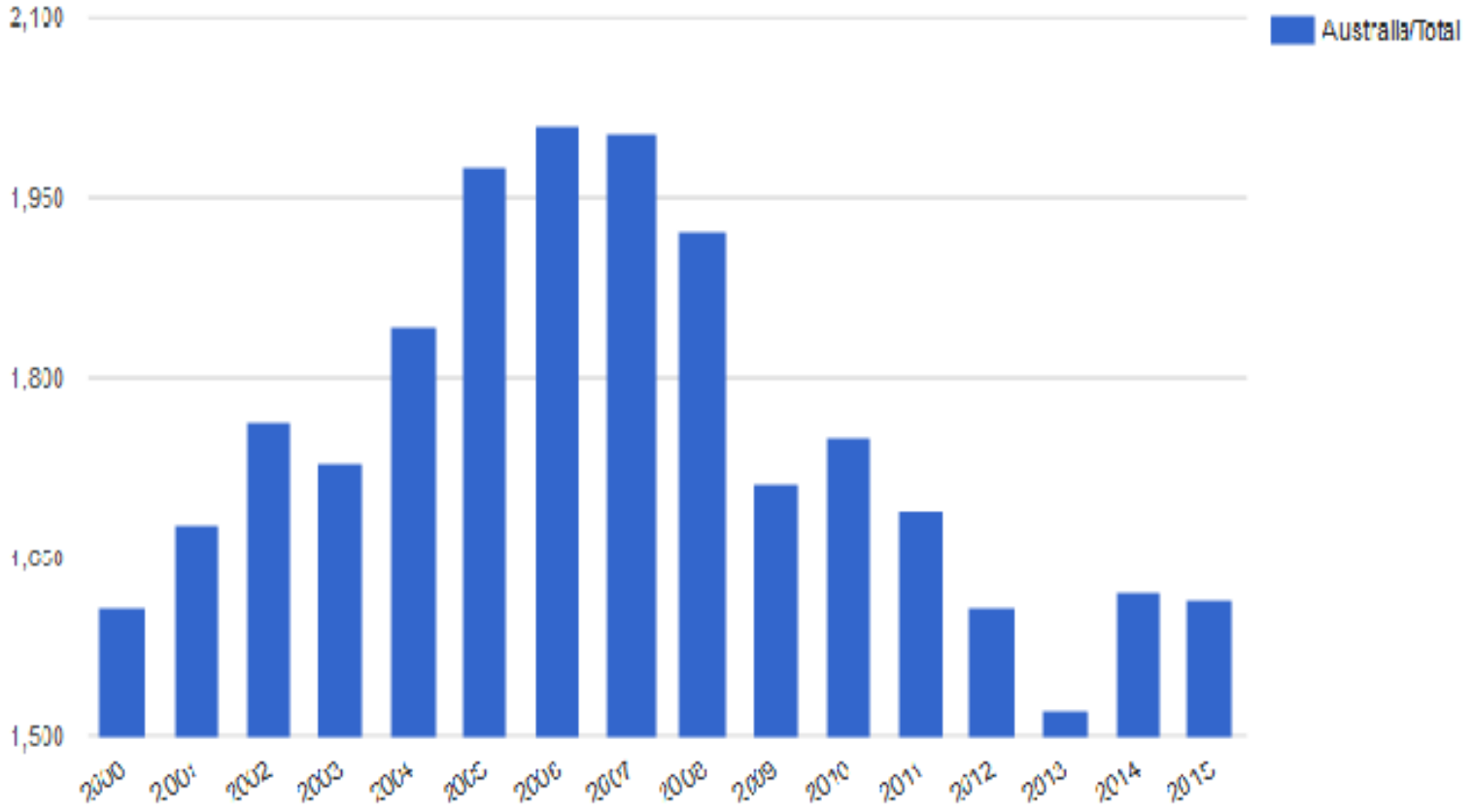
PCT use in AU



- PCT Member since 1980
- **1,673** PCT applications filed by AU applicants in 2016 with RO/AU

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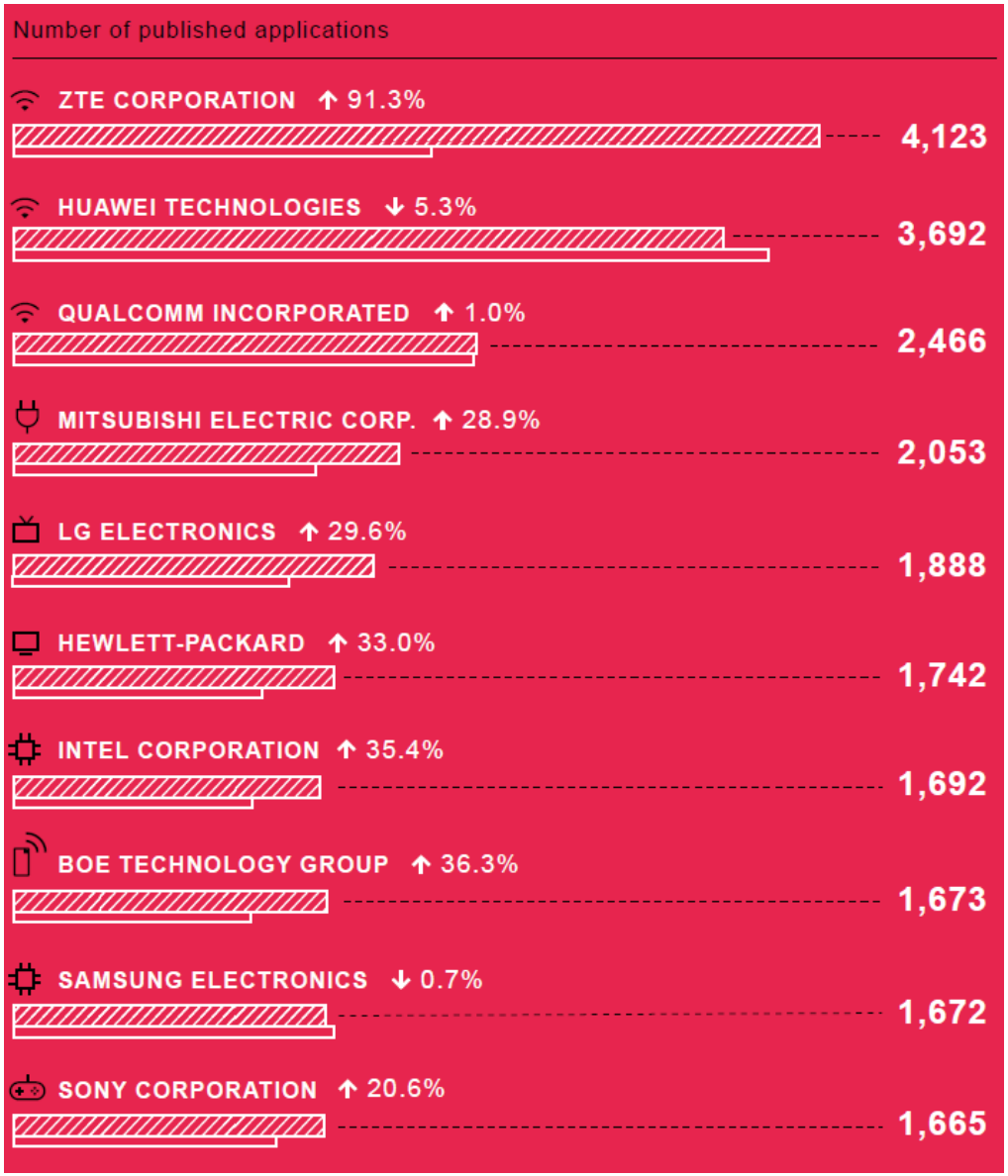
Top 10 PCT Applicants (2016)



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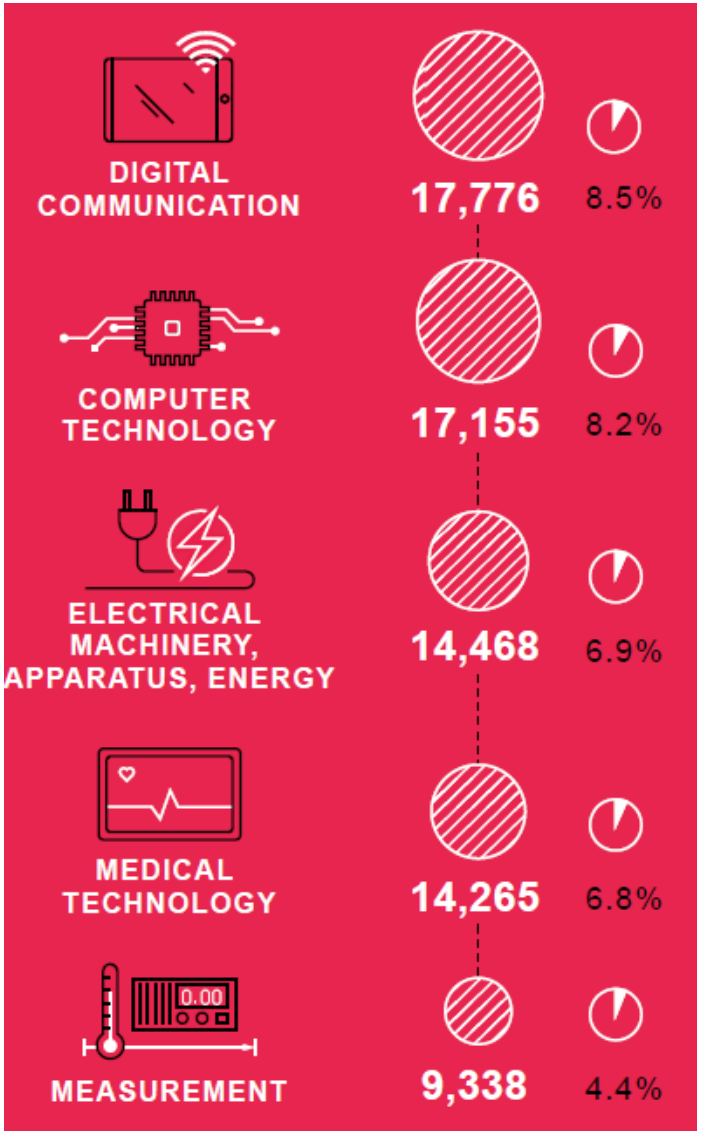
Top 5 Fields of Technology(2016)



Number of published applications and share of total

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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*

http://www.wipo.int/ipstats/en/statistics/country_profile/profile.jsp?code=AU

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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. 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
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 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)

- *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

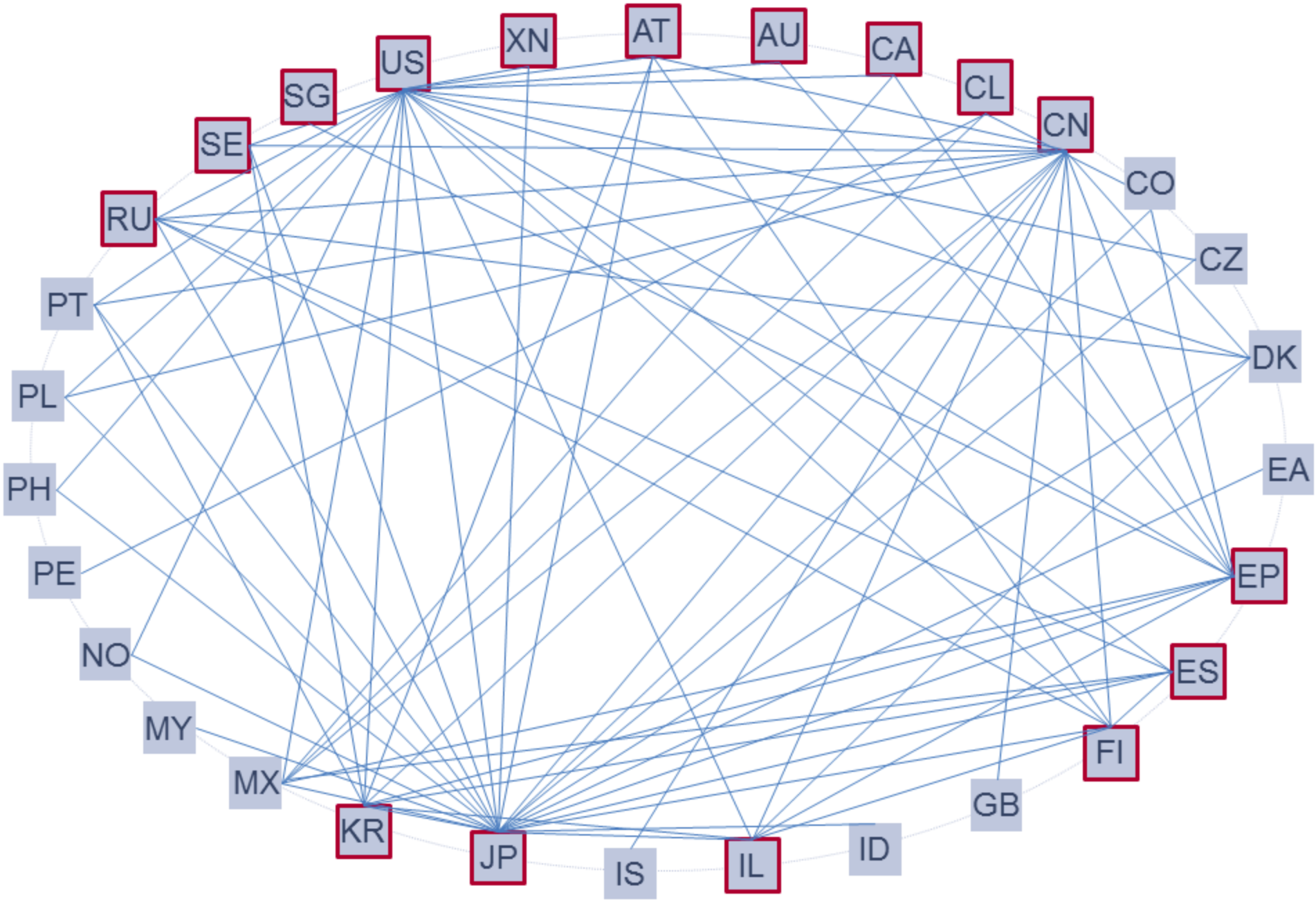
PCT Advantages

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

1. protects applicant from certain inadvertent errors
2. 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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PE
PH
PL
PT
RU
SE
SG
US
XN
Office acts as International Searching Authority and International Preliminary Examining Authority

What's new?

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

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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: EN, FR, ES, DE, CN, JP, KR, RU, PT, AR
- 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

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ePCT – Big Picture

IB/ISA Officer

RO Officer

Transmit

Process

New IA

View

View

Process

PCT International Applications

Accessed in

ePCT Portal

Offices have varied requirements and configurations

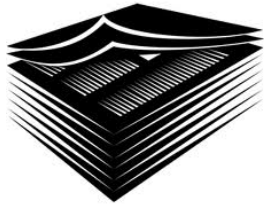
File

Action

View

Applicant

Published IAs for National Phase entry



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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

PATENTSCOPE

https://patentscope.wipo.int

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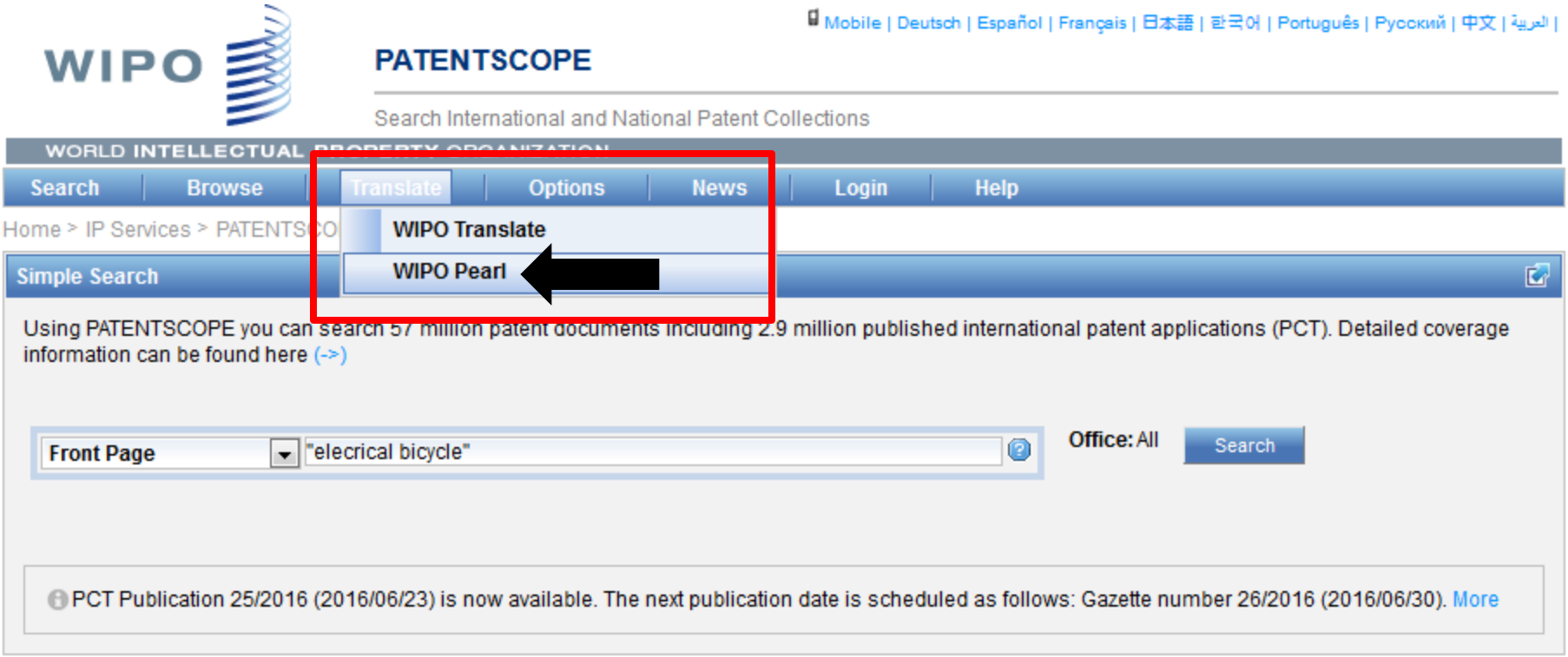
WIPO Pearl



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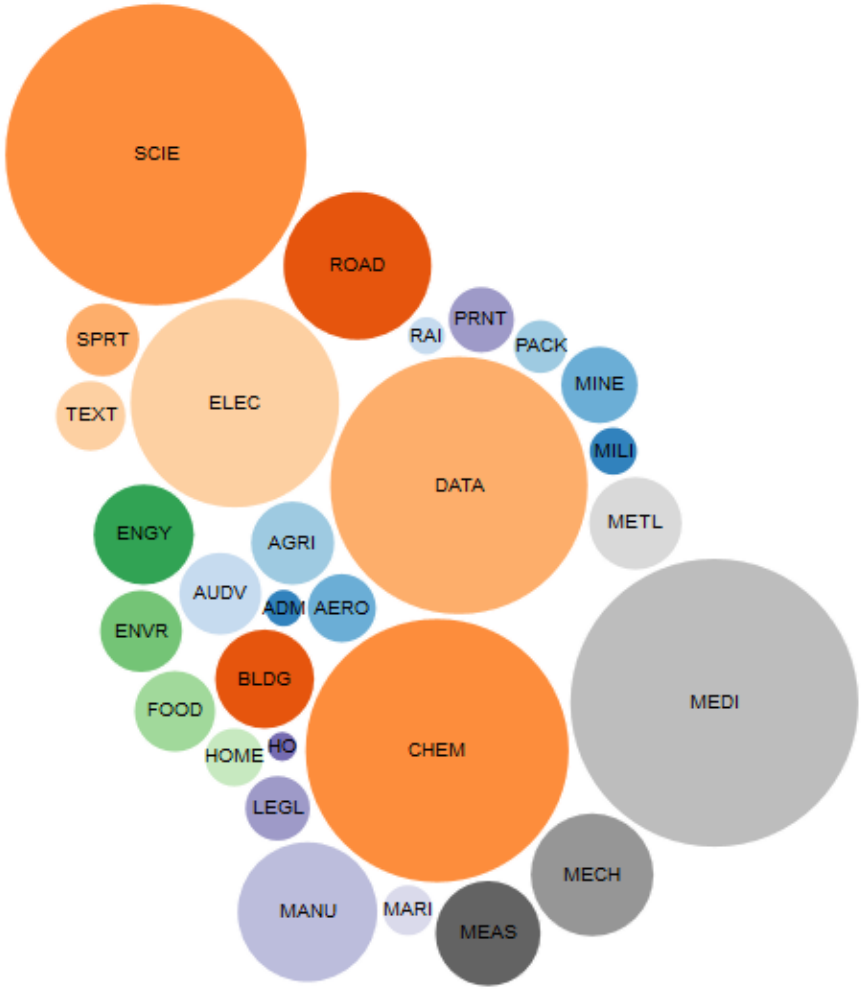
WIPO Pearl

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



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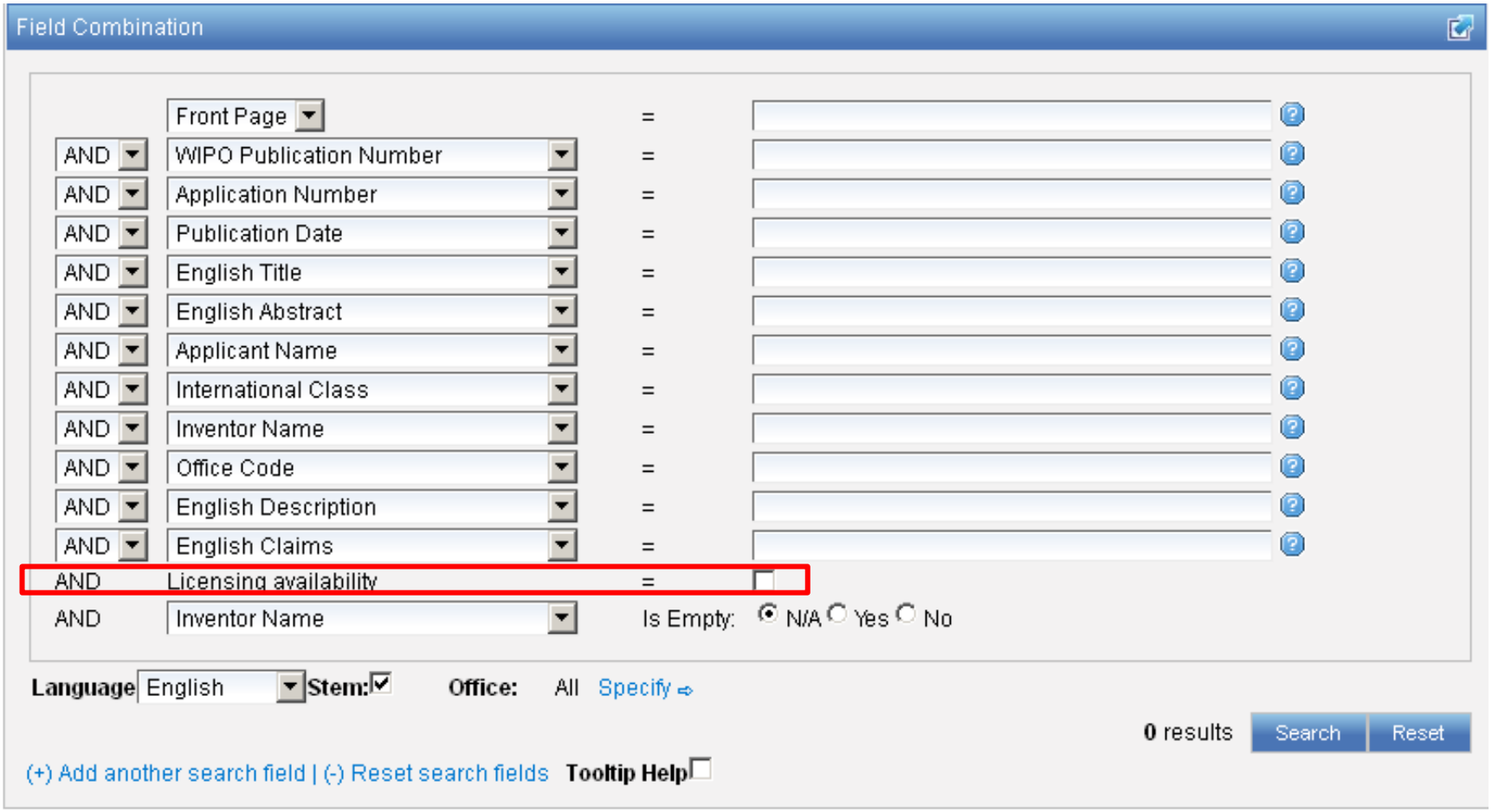
Indication of availability for license

- 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



Additional search fields can be selected

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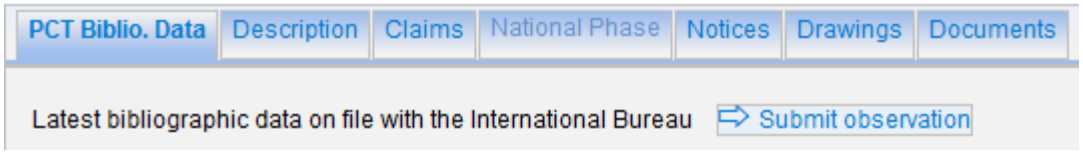
Third Party Observations

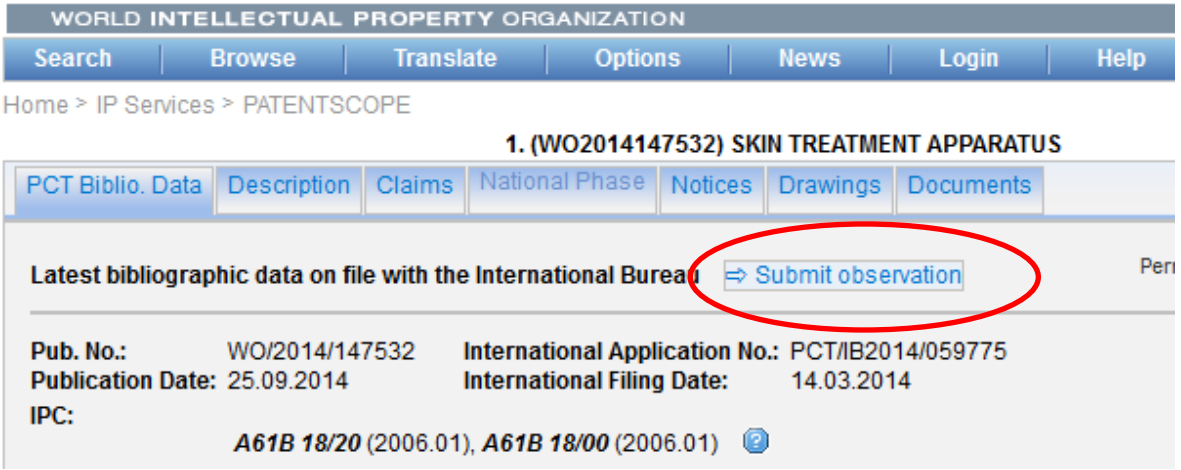
- Allows third parties to submit prior art observations relevant to novelty and inventive step as to published PCT applications
  - Goal: Improve patent quality--give national offices (and PCT Authorities) better/more complete information on which to base their decisions
- Web-based system using in PATENTSCOPE 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



- Accessible through ePCT

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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

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Thank you

Anjali Aeri
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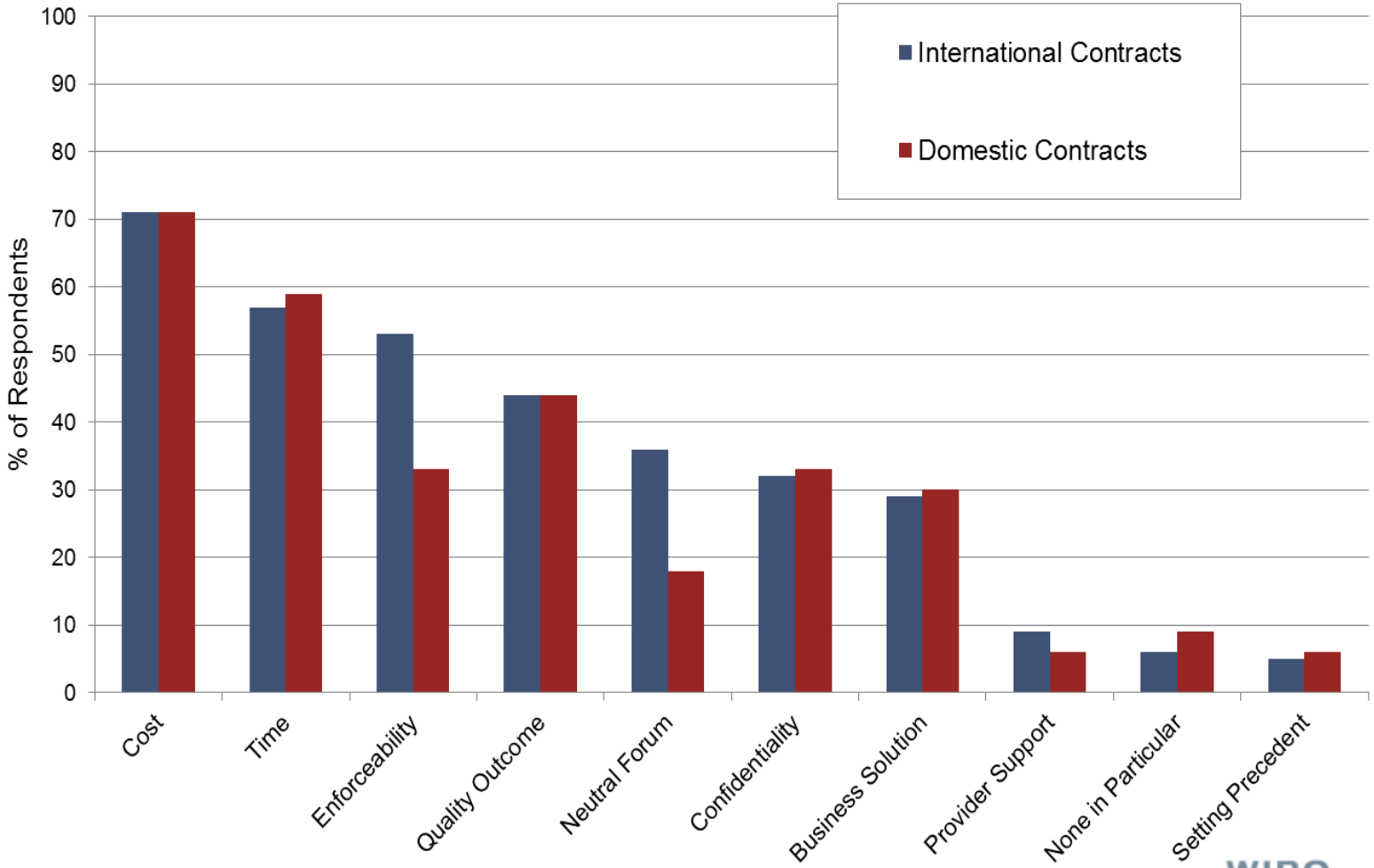
Resolving IP Disputes outside the Courts through WIPO ADR

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

Perth, Australia
24 March 2017

Top Ten Priorities in Parties' Choice of Dispute Resolution Clause



WIPO Center Report on International Survey of Dispute Resolution in Technology Transactions

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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

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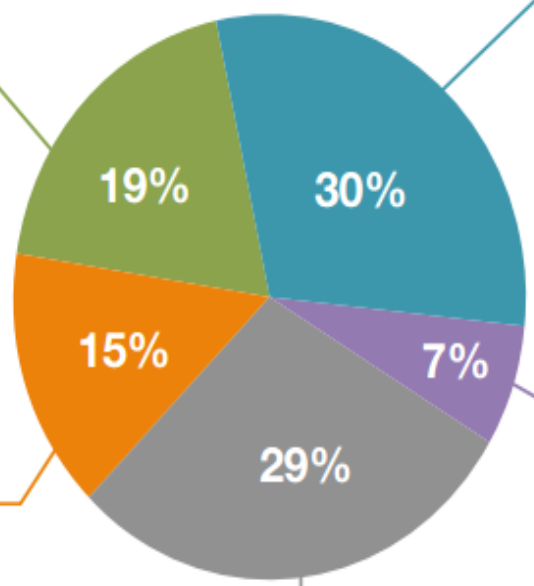
WIPO ADR – Areas of Dispute



Trademarks
Coexistence
Infringements
Licenses
Oppositions
Revocations

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

Commercial
Distribution
Energy
Franchising
Marketing
Sports

Copyright
Art
Broadcasting
Entertainment
Film and Media
Infringements
TV Formats

ICT
Mobile Apps
Outsourcing
Systems Integration
Software Development
Software Licensing
Telecommunications

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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

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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

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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

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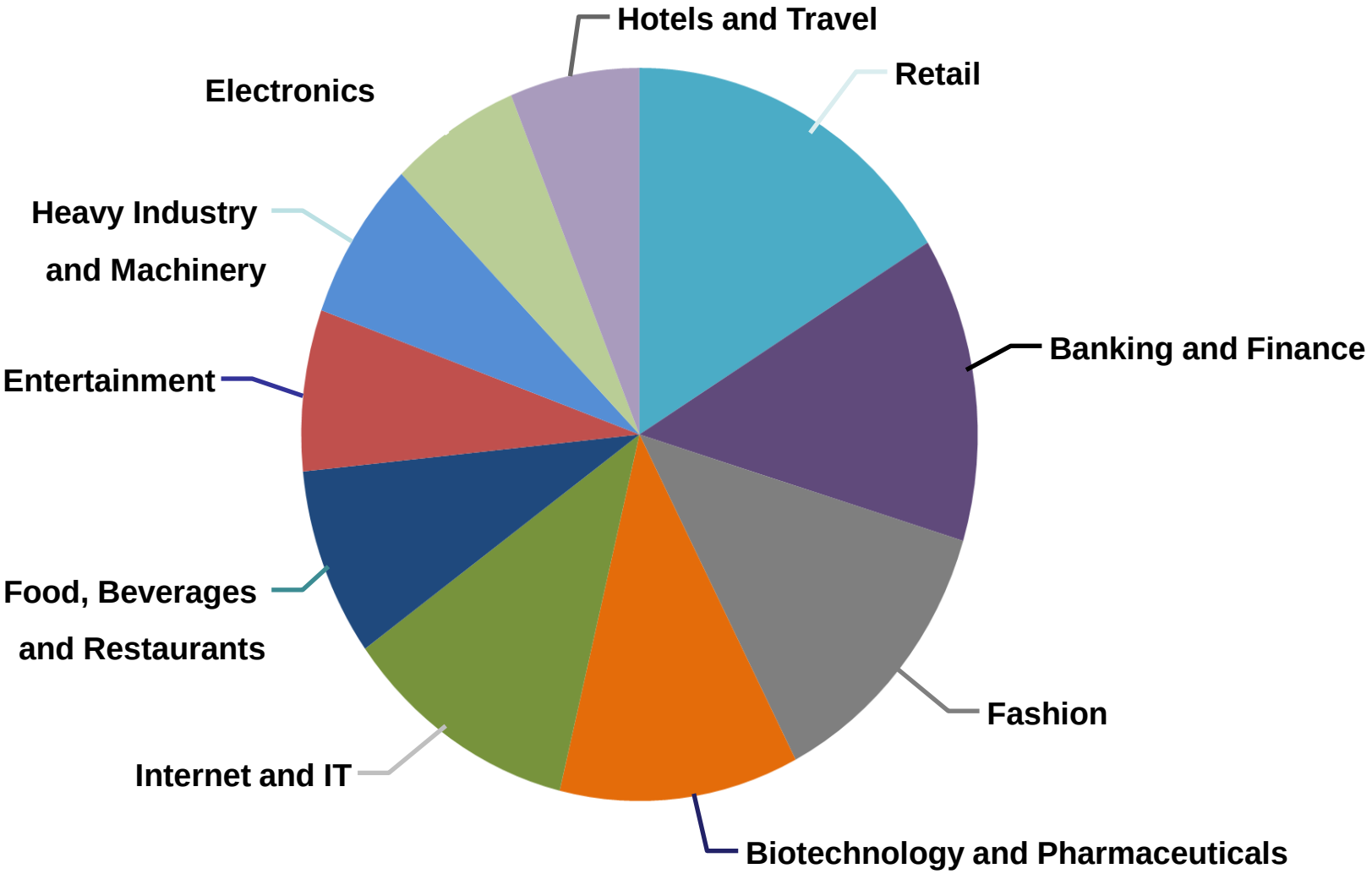
WIPO Domain Name Cases – Top 10 Areas of Complainant Activity



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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

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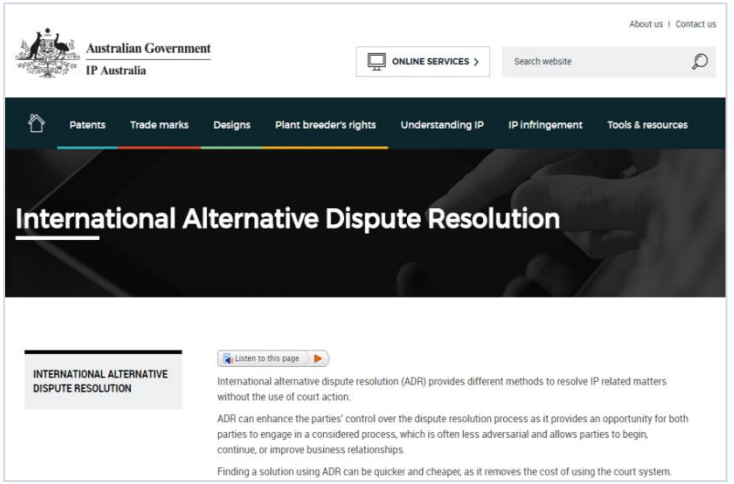
WIPO Center-IP Australia Collaboration

- 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

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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

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International Registration System of Marks, Madrid –

Management and Maintenance of the International Registration

Matthew Forno
Senior Counsellor, Information and Promotion Division, Madrid Registry

Perth, Australia
24 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

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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

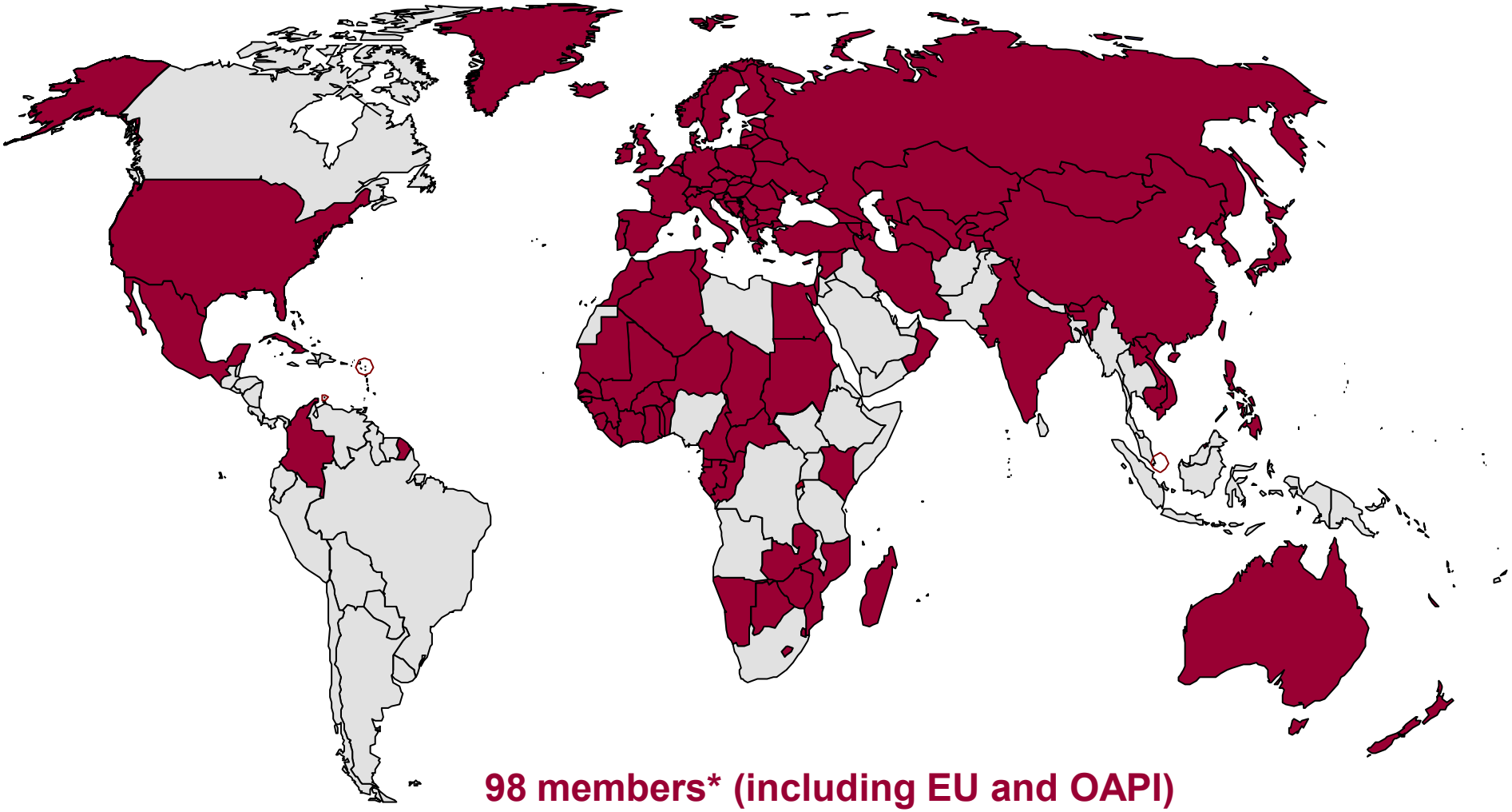
- File an international application, which is the equivalent of a bundle of national applications, effectively saving time and money

- 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

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*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

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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

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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

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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%

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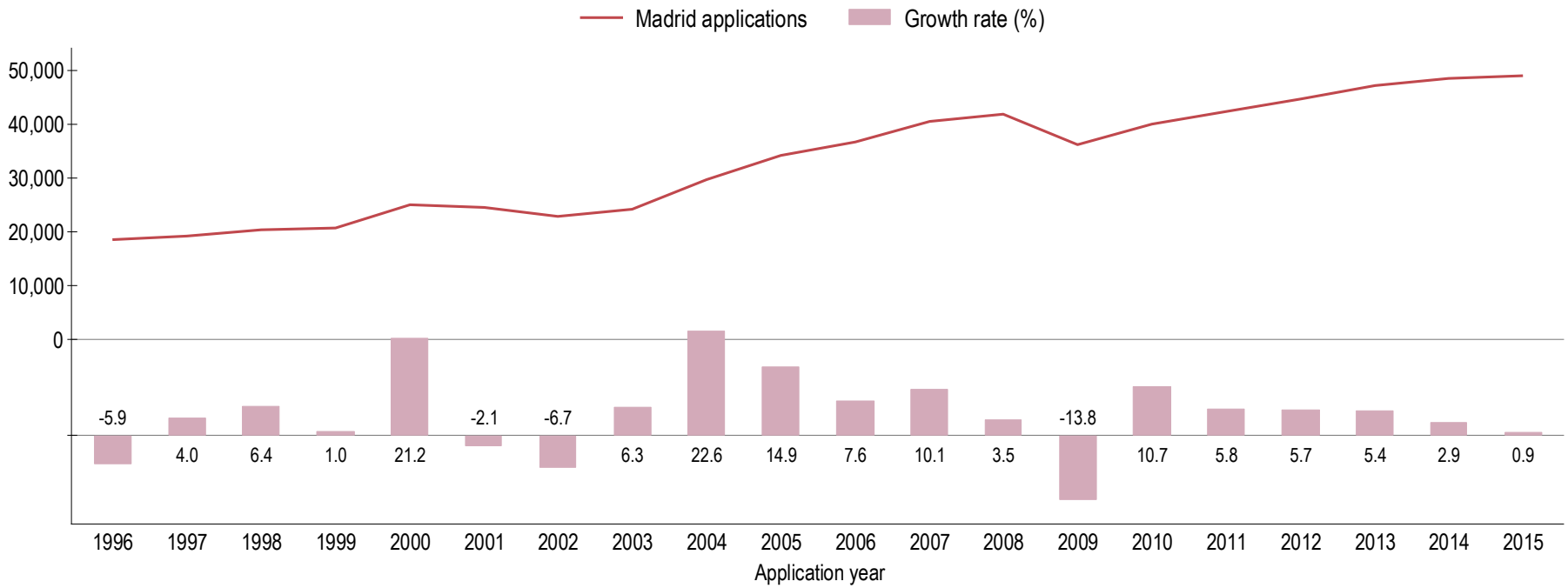
International Applications

Figure A.1.1 Trend in international applications



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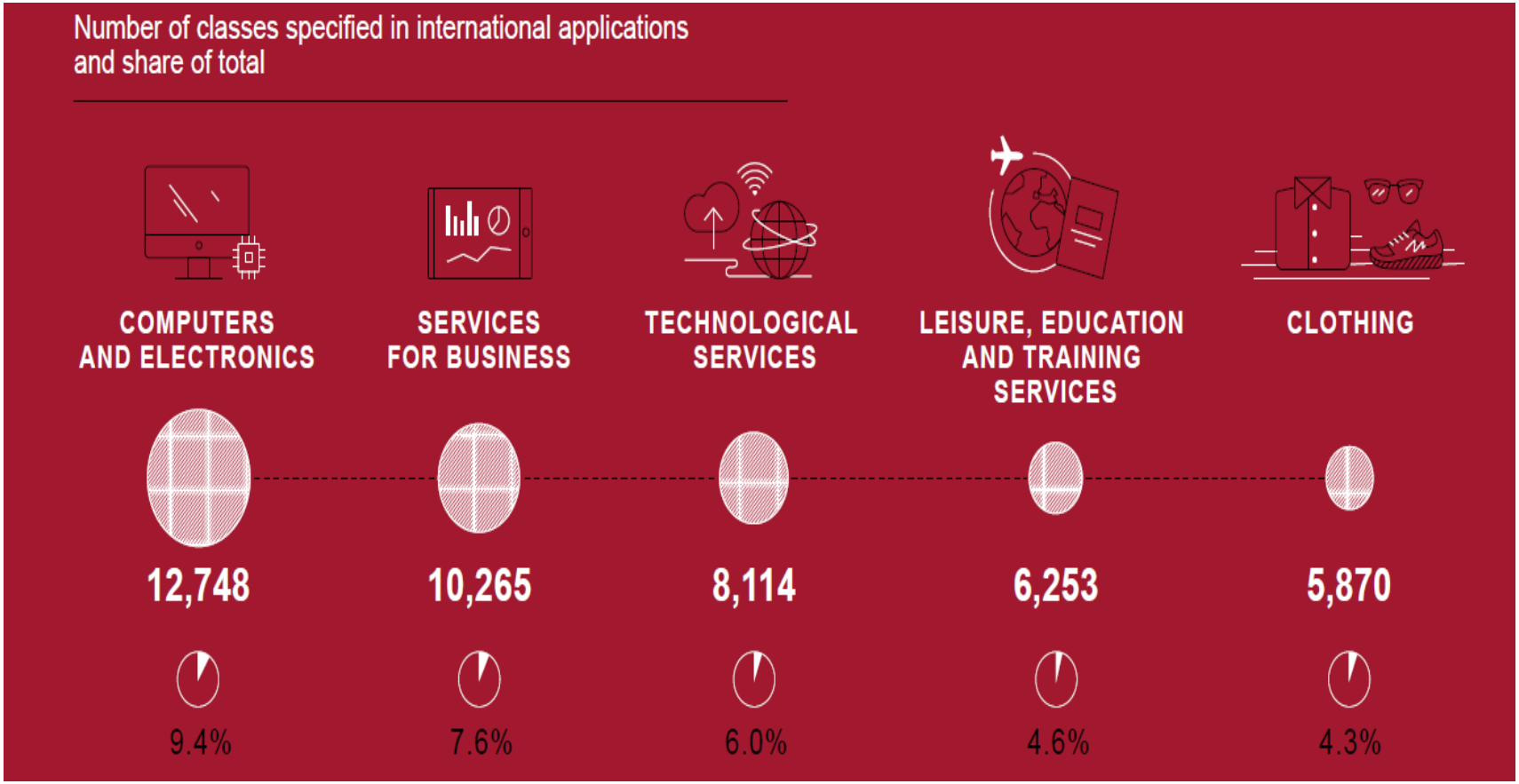
Top Five Classes



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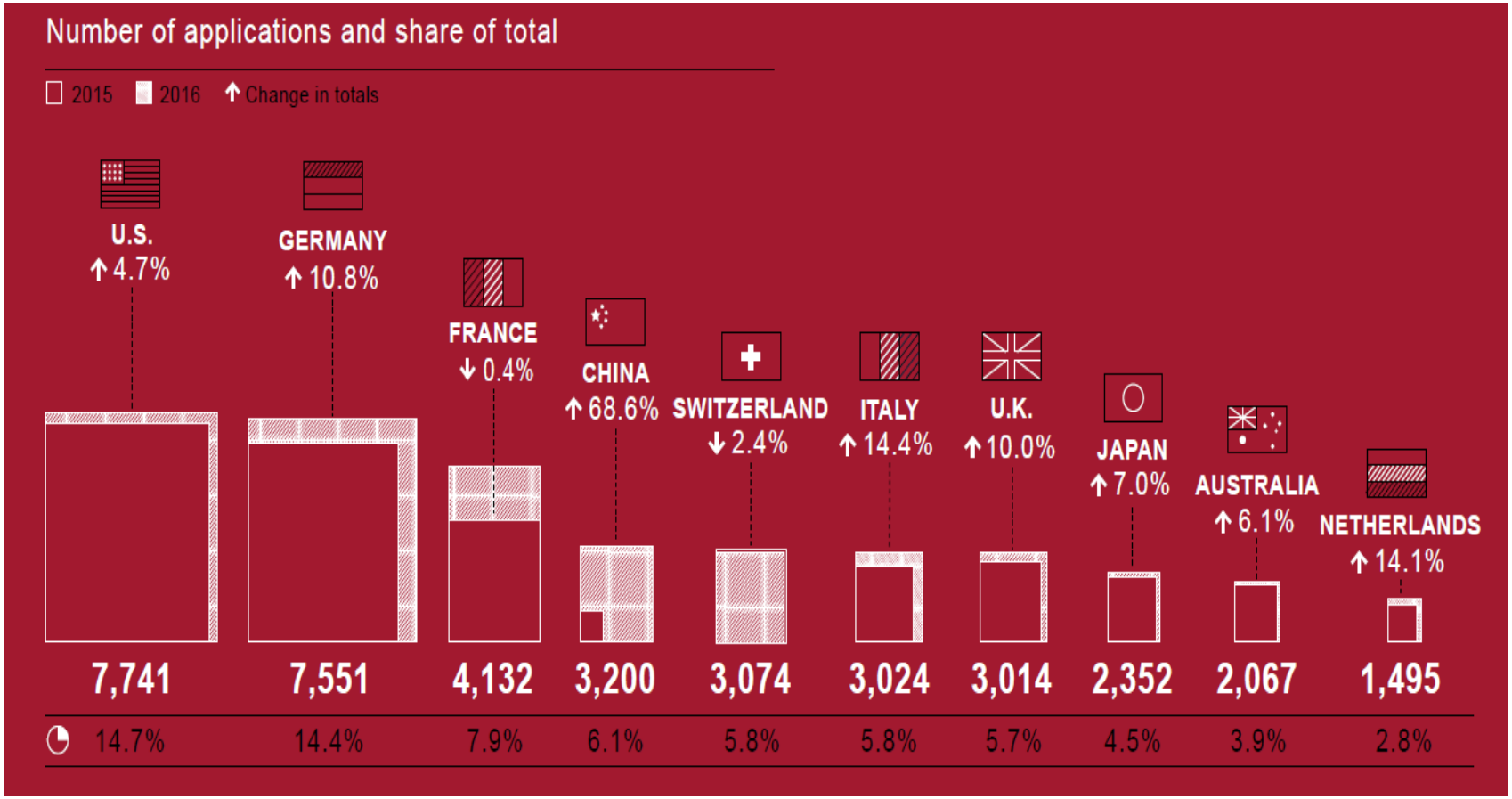
Top Ten Countries



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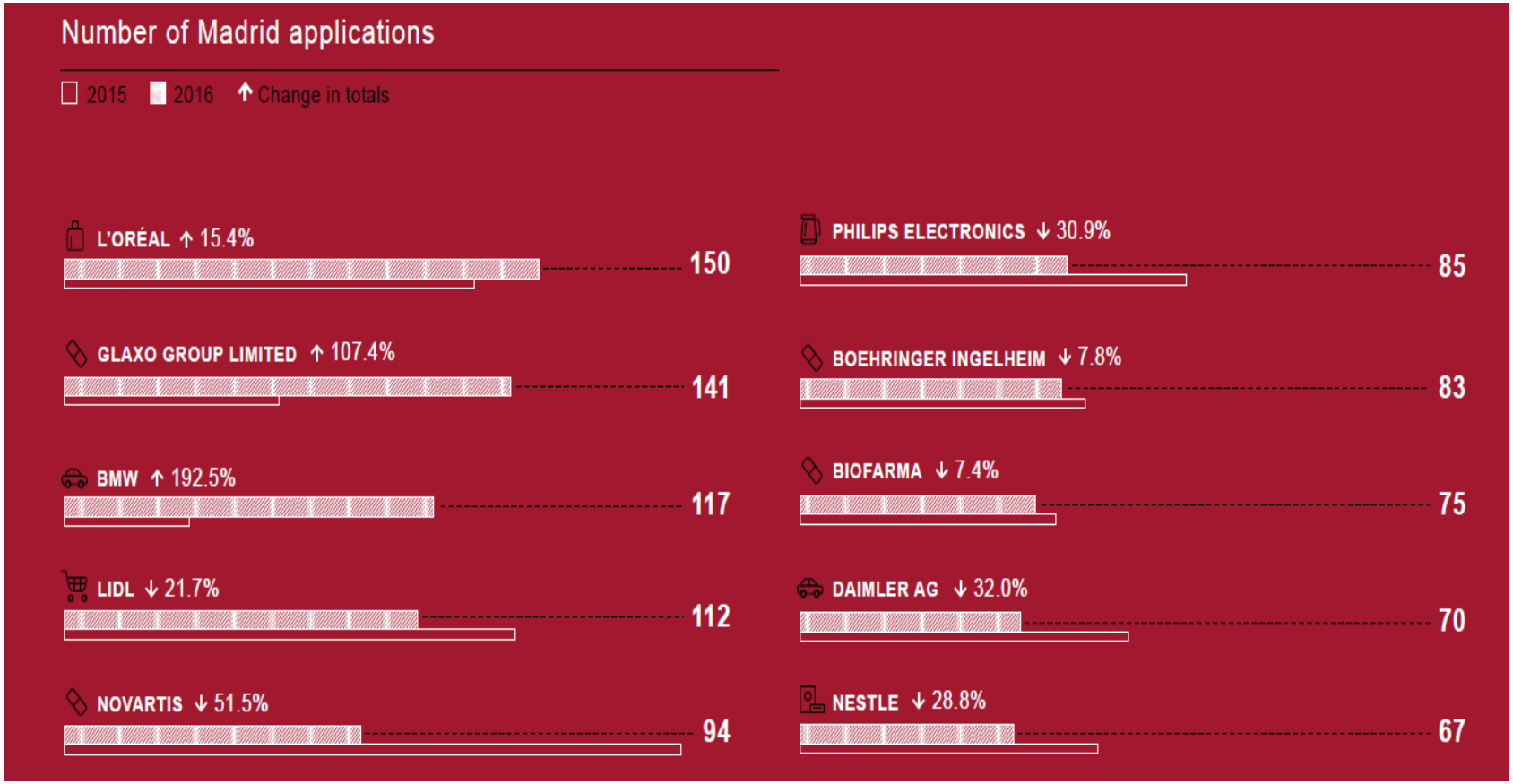
Top Ten Applicants



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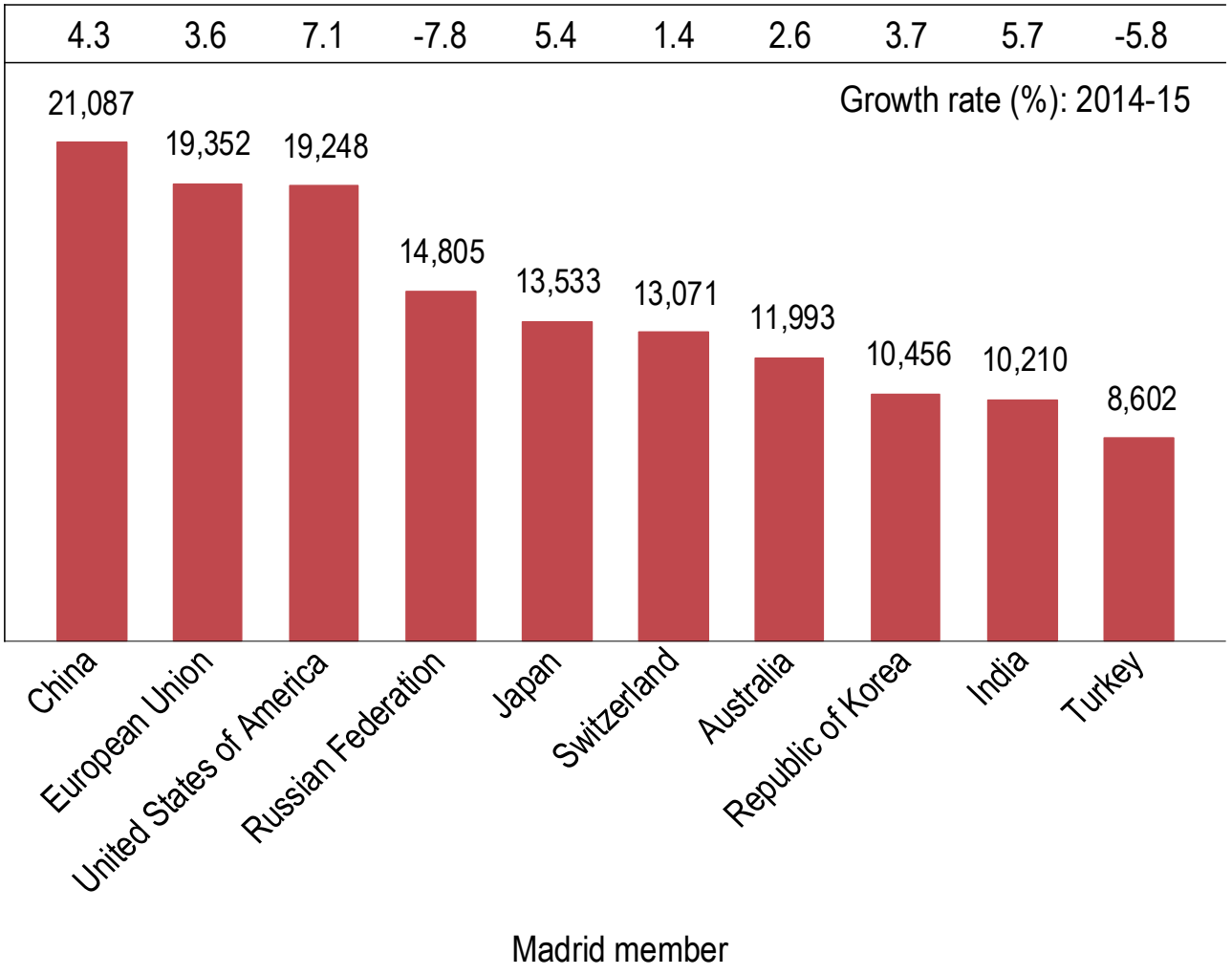
Top Designated Contracting Parties



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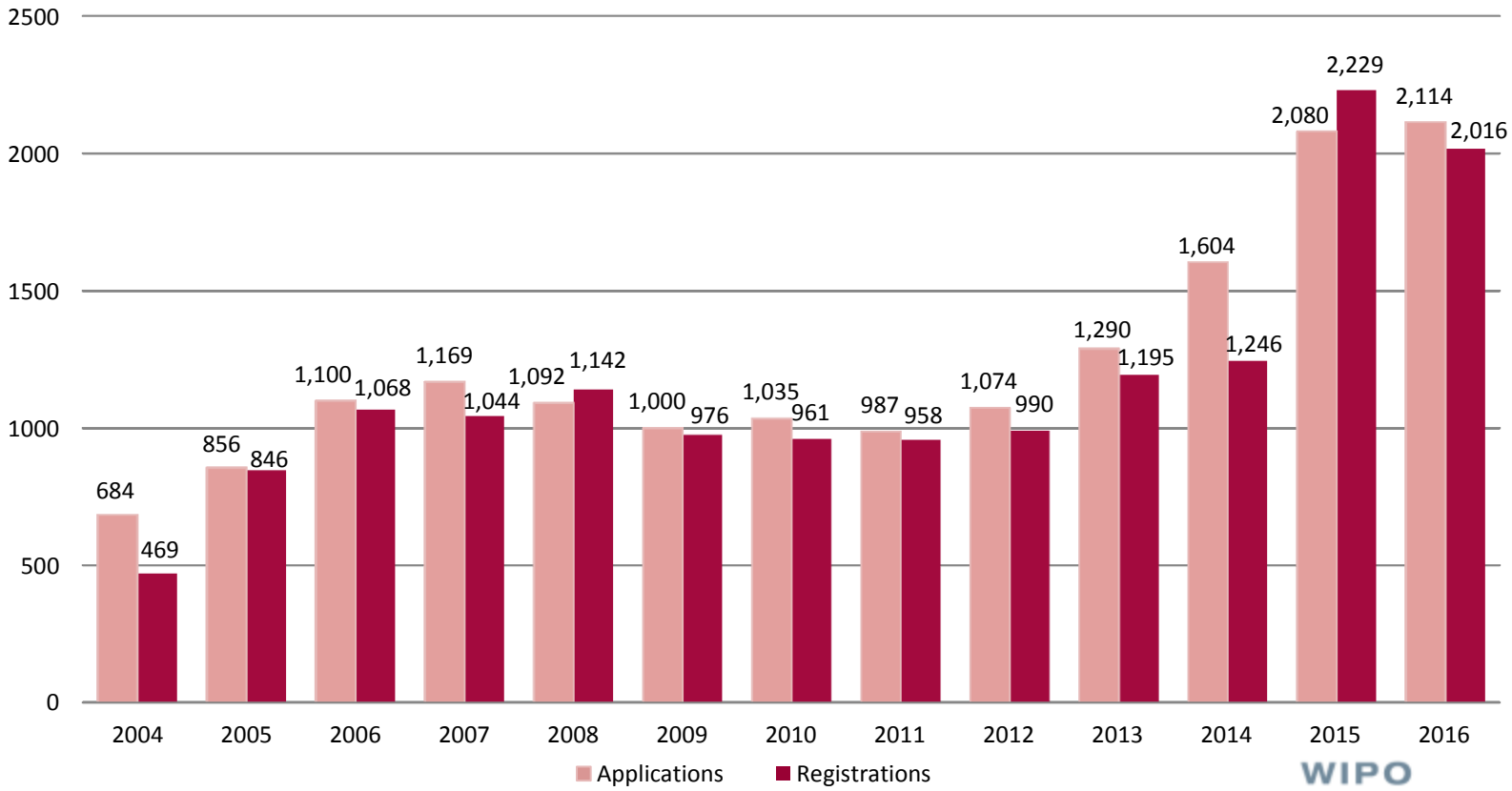
International Applications and Registrations: Australia

International Applications and Registrations by Office of Origin: Australia



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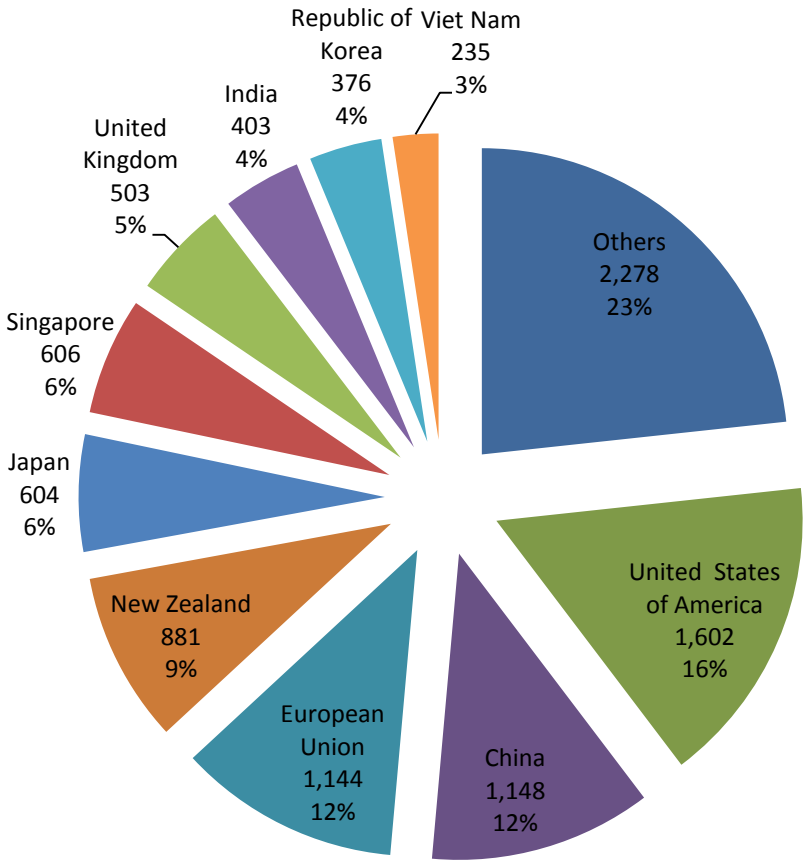
Top 10 Designated Madrid Members by Australian Holders



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

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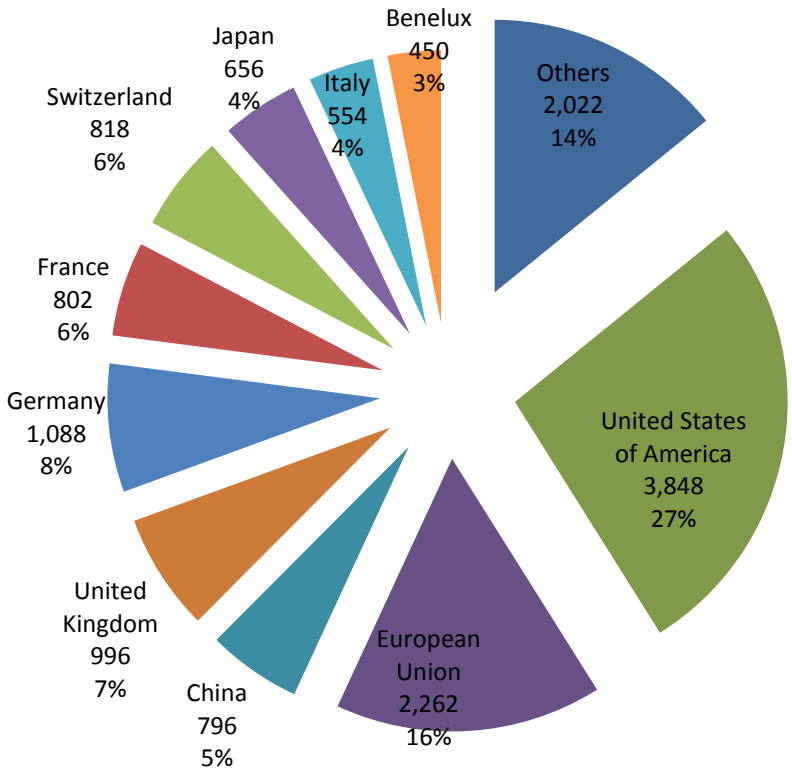
Designations of Australia by Madrid Members



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

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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

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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

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Thank you
for your attention

matthew.forno@wipo.int

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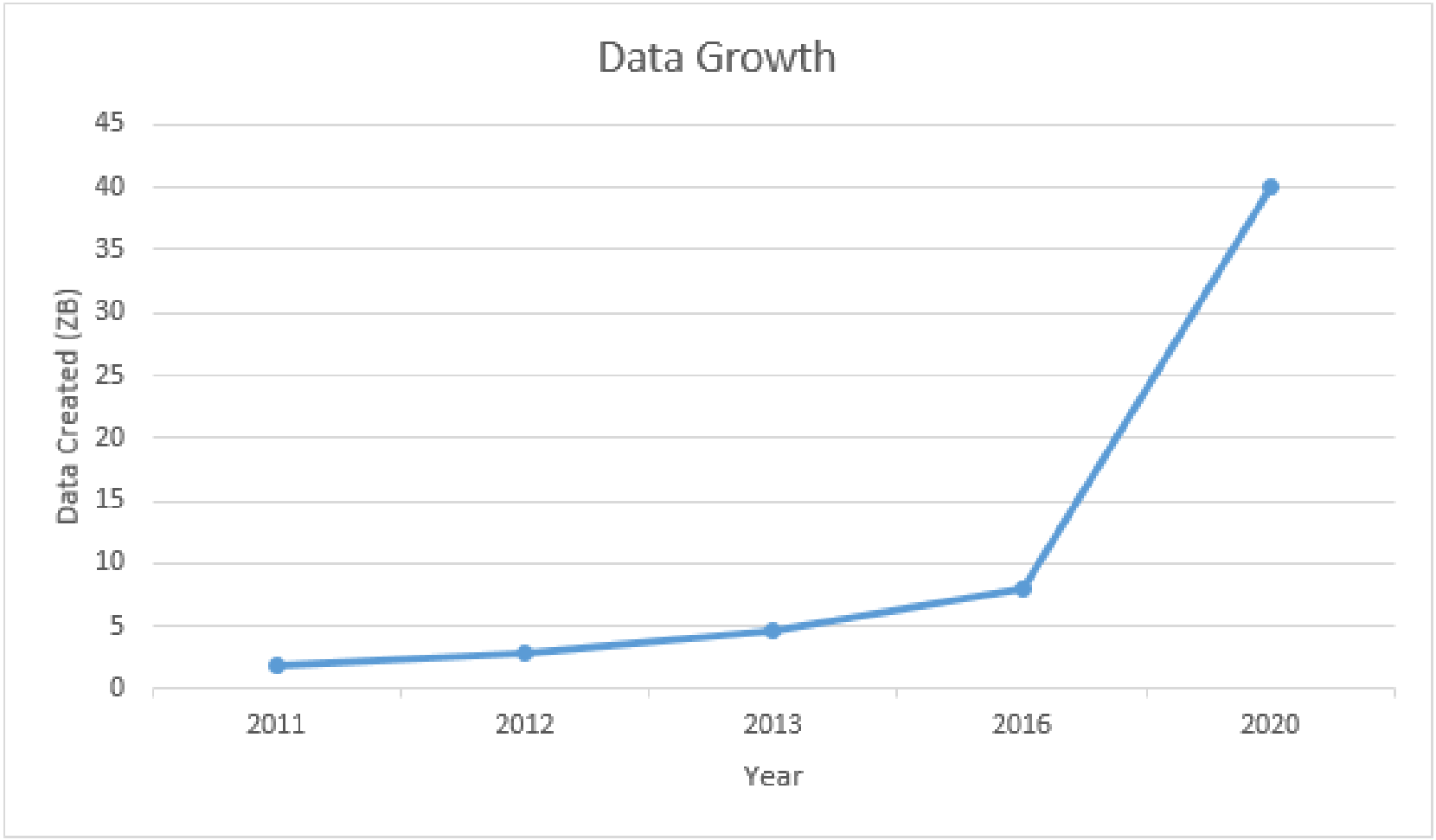
Global IP Infrastructure

Yo TAKAGI, Assistant Director General,
Global Infrastructure Sector

Perth, Australia
24 March 2017

Big Data!



Source: Gartner

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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)

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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

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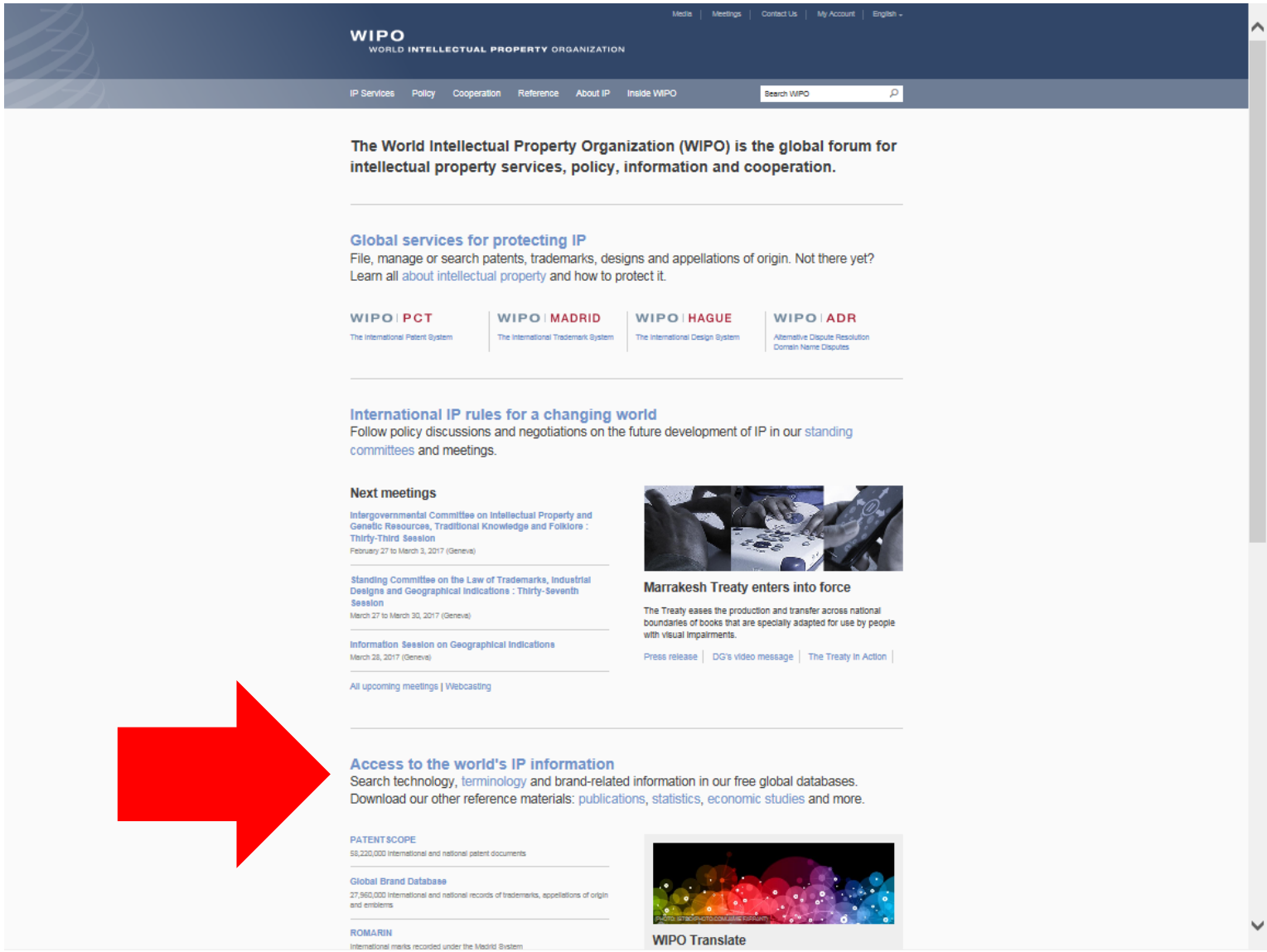
Global IP Databases: Access Point



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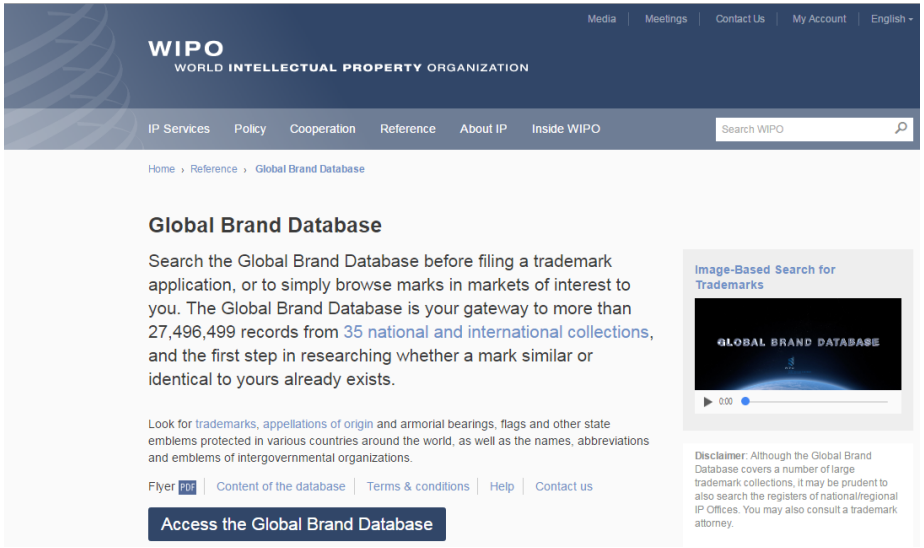
Global Brand Database

- 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



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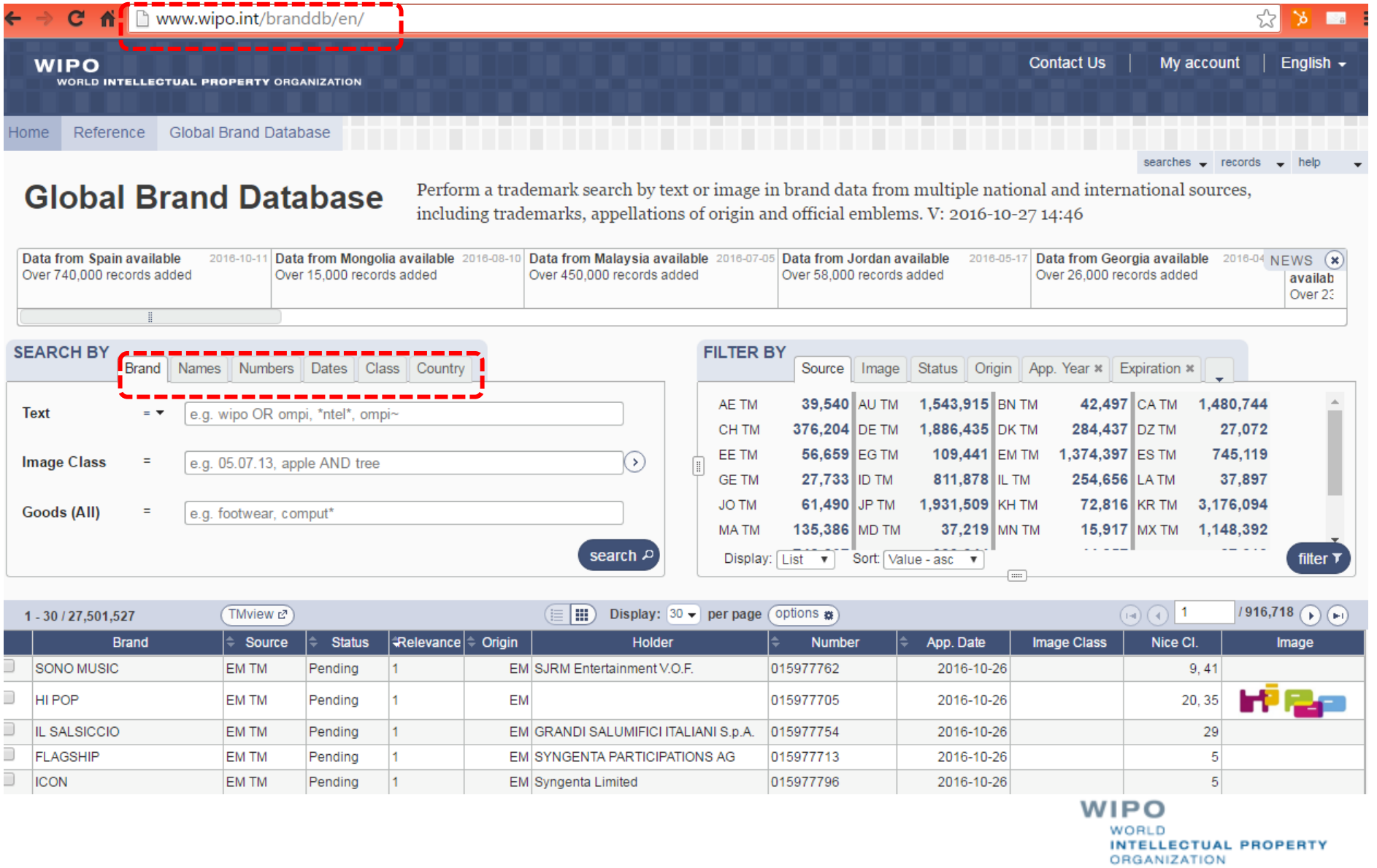
Global Brand Database



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	

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IMAGE SEARCH

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

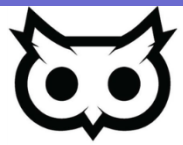
Search For	Find (in top results – without Vienna Class)
	   
	   
	   

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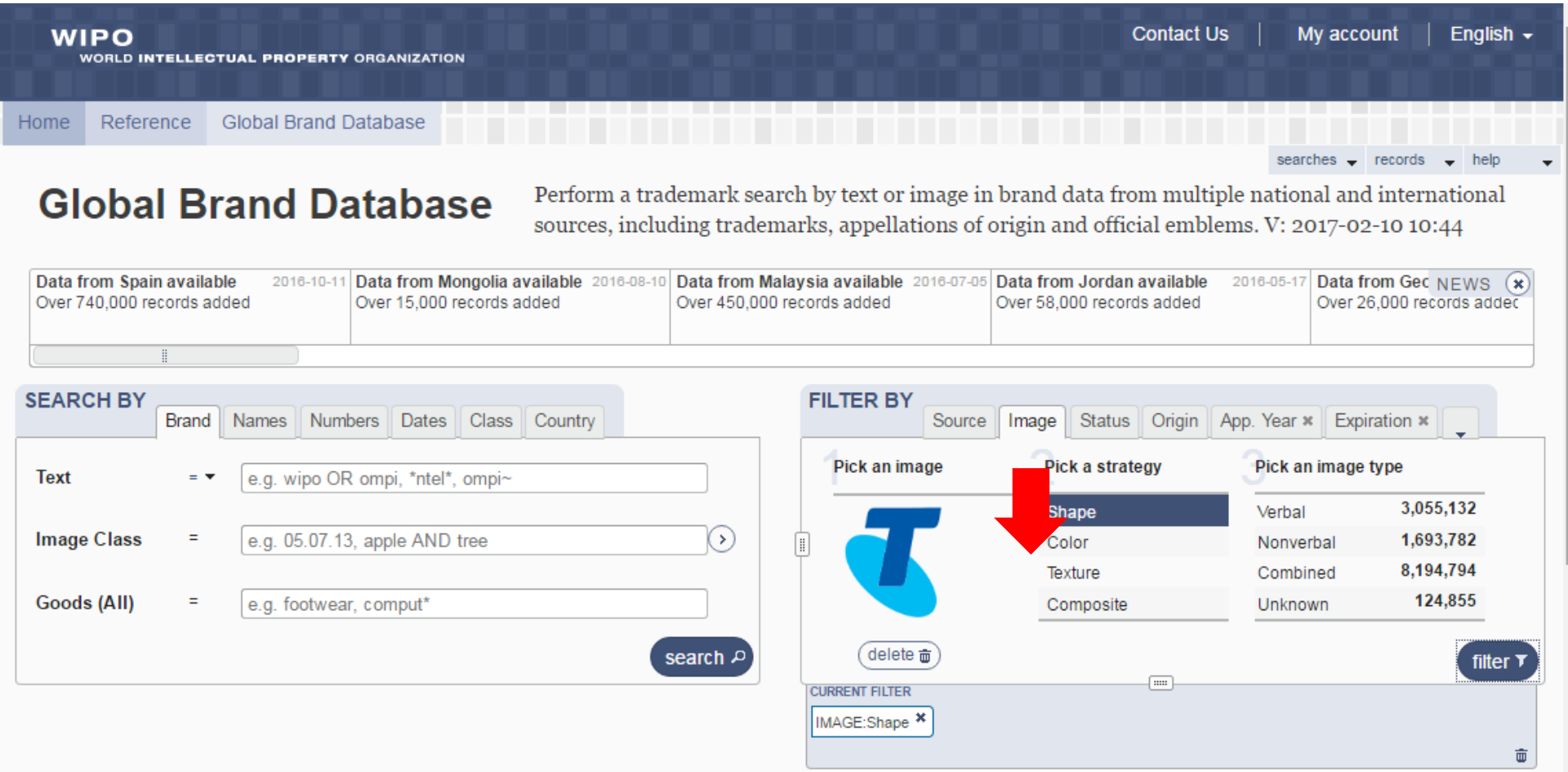
Image Search
Use of AI to match similar images



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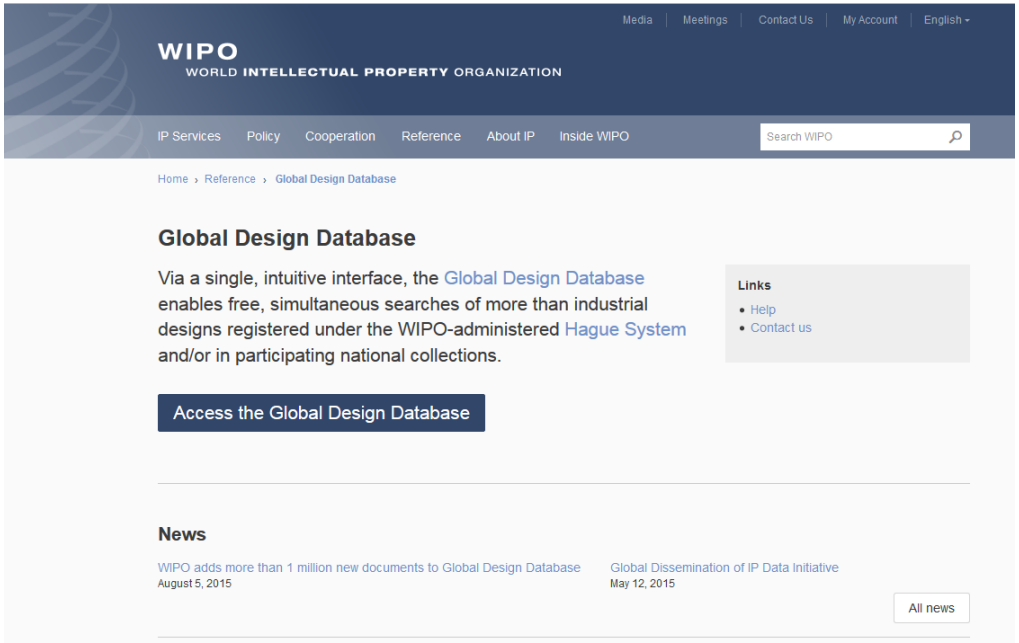
1 - 100 / 13,070,810 TMview Display: 100 per page options 1 / 130,709

Sort by Relevance - desc

Global Design Database



- 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

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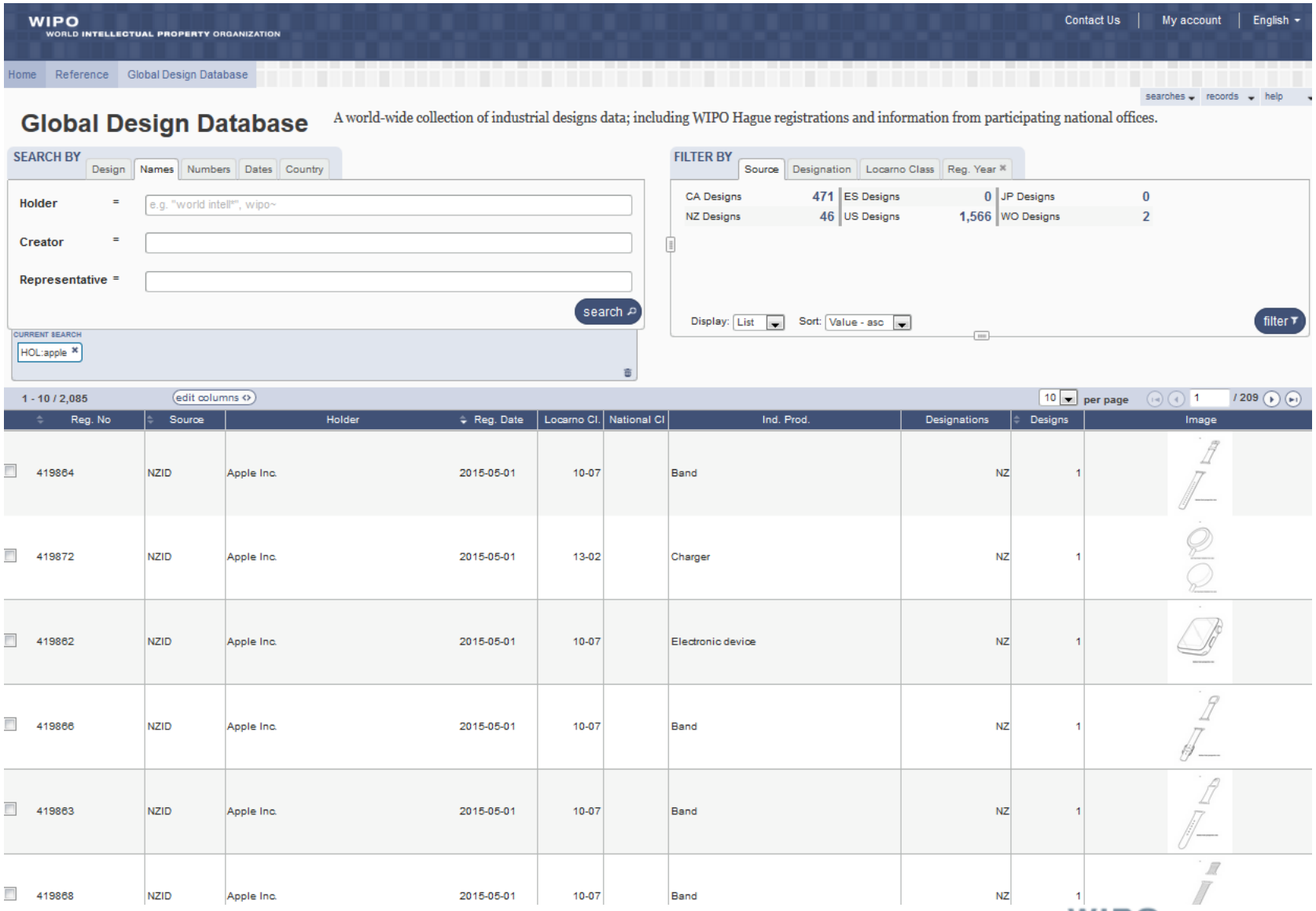
iWatch in the Global Design Database



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An example of a Design Database Entry

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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

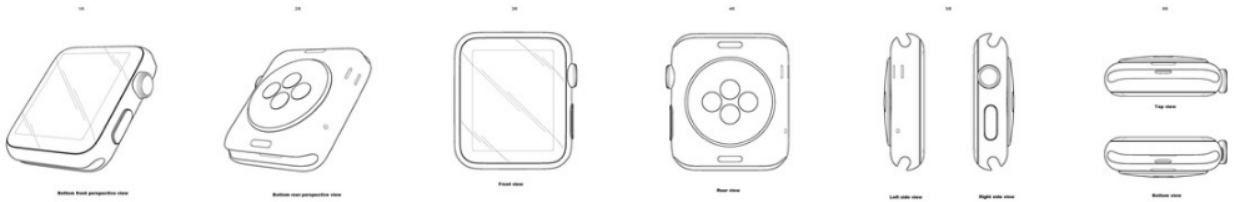
(54) Indication of products
Electronic device

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



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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.

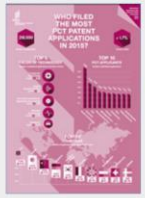
PATENTSCOPE
57,240,000 international and national patent documents

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



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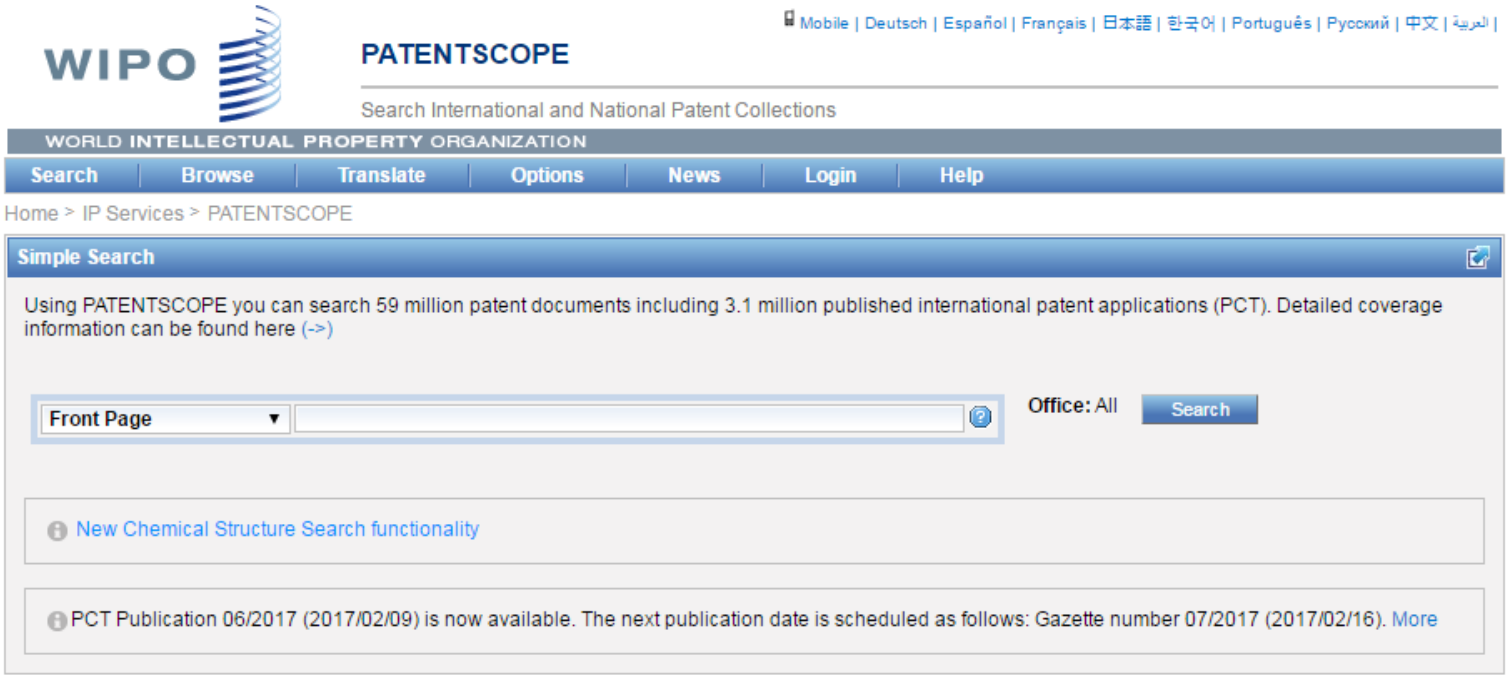

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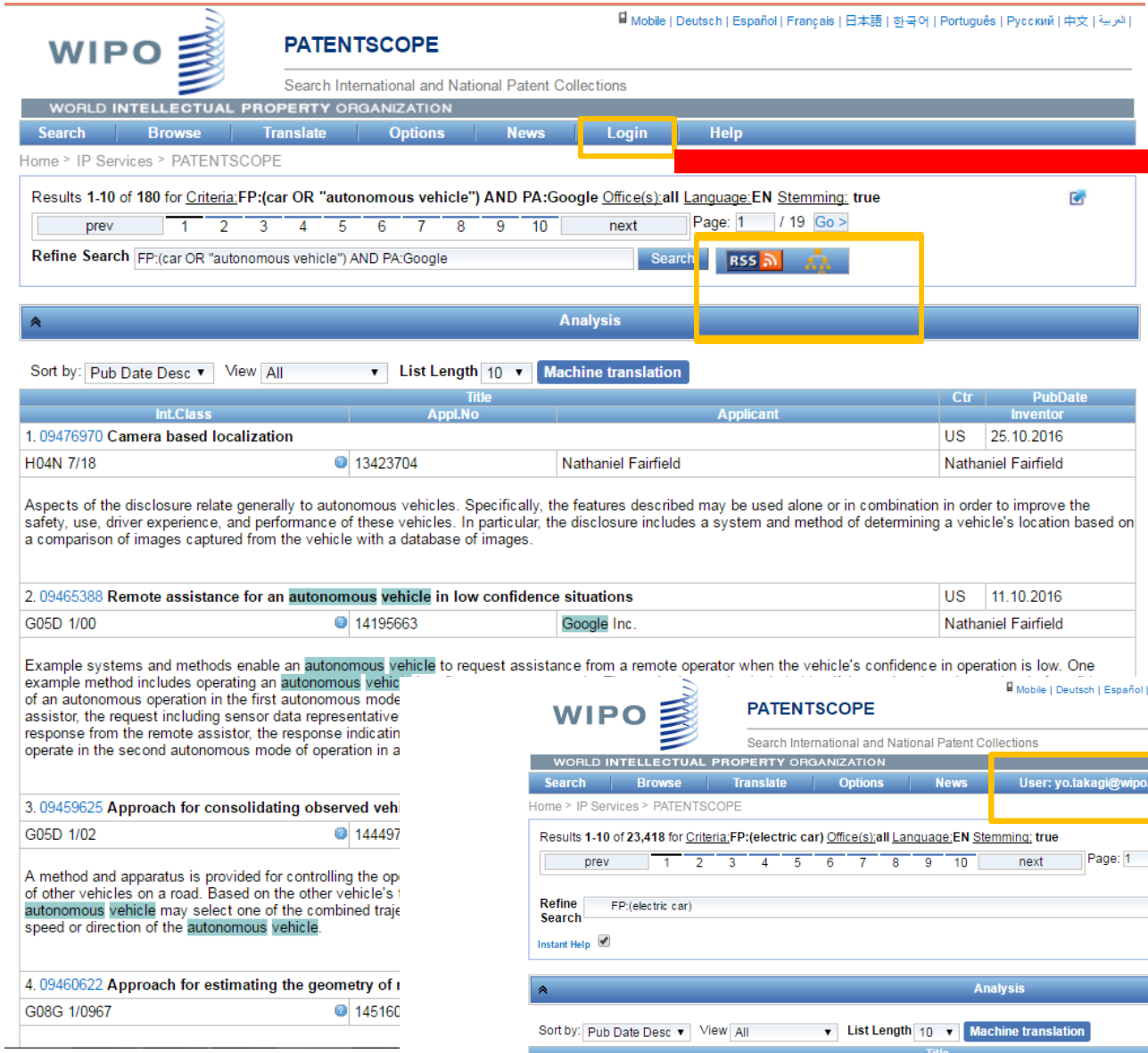
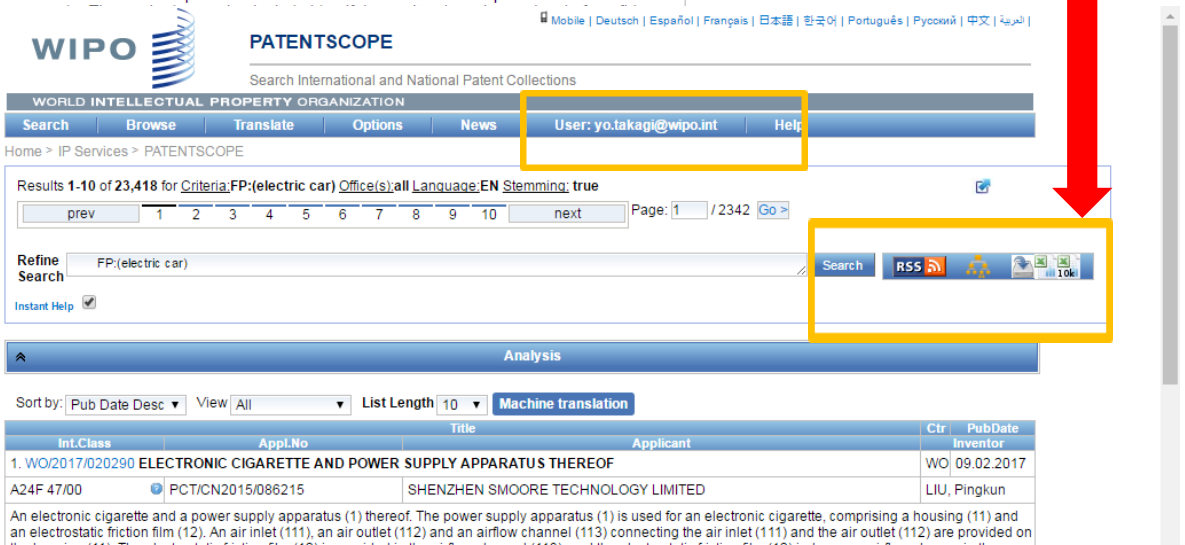
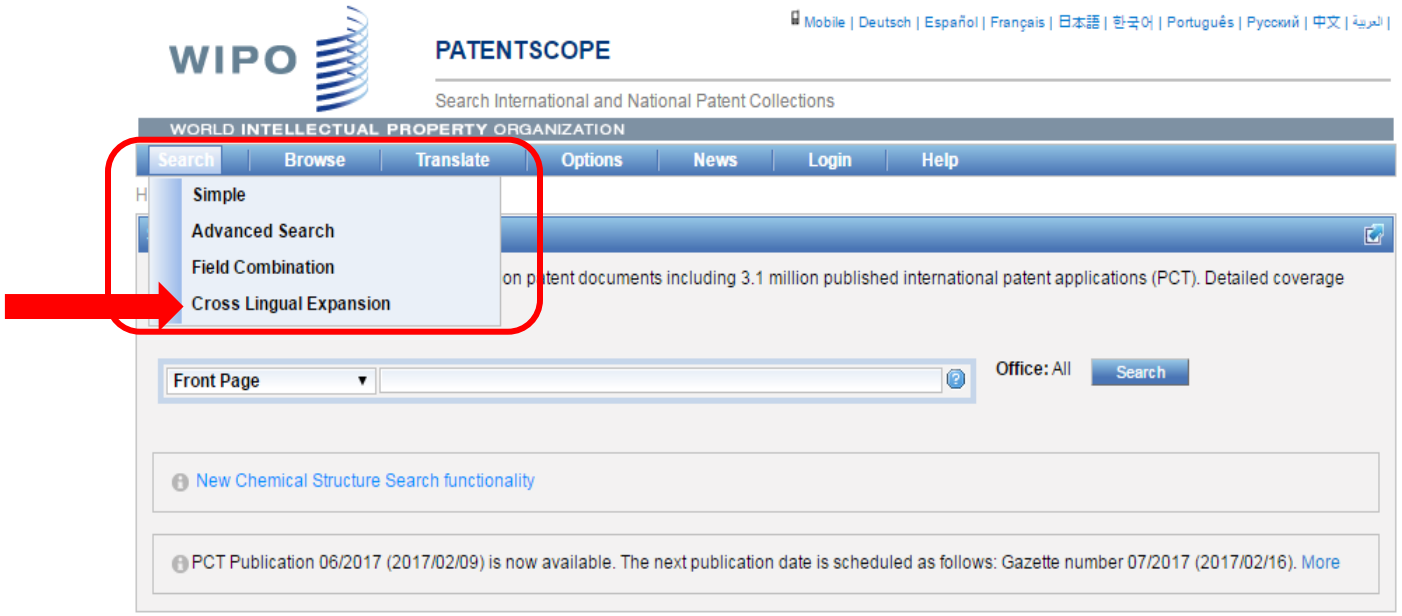




TIP 2 Cross Lingual Search



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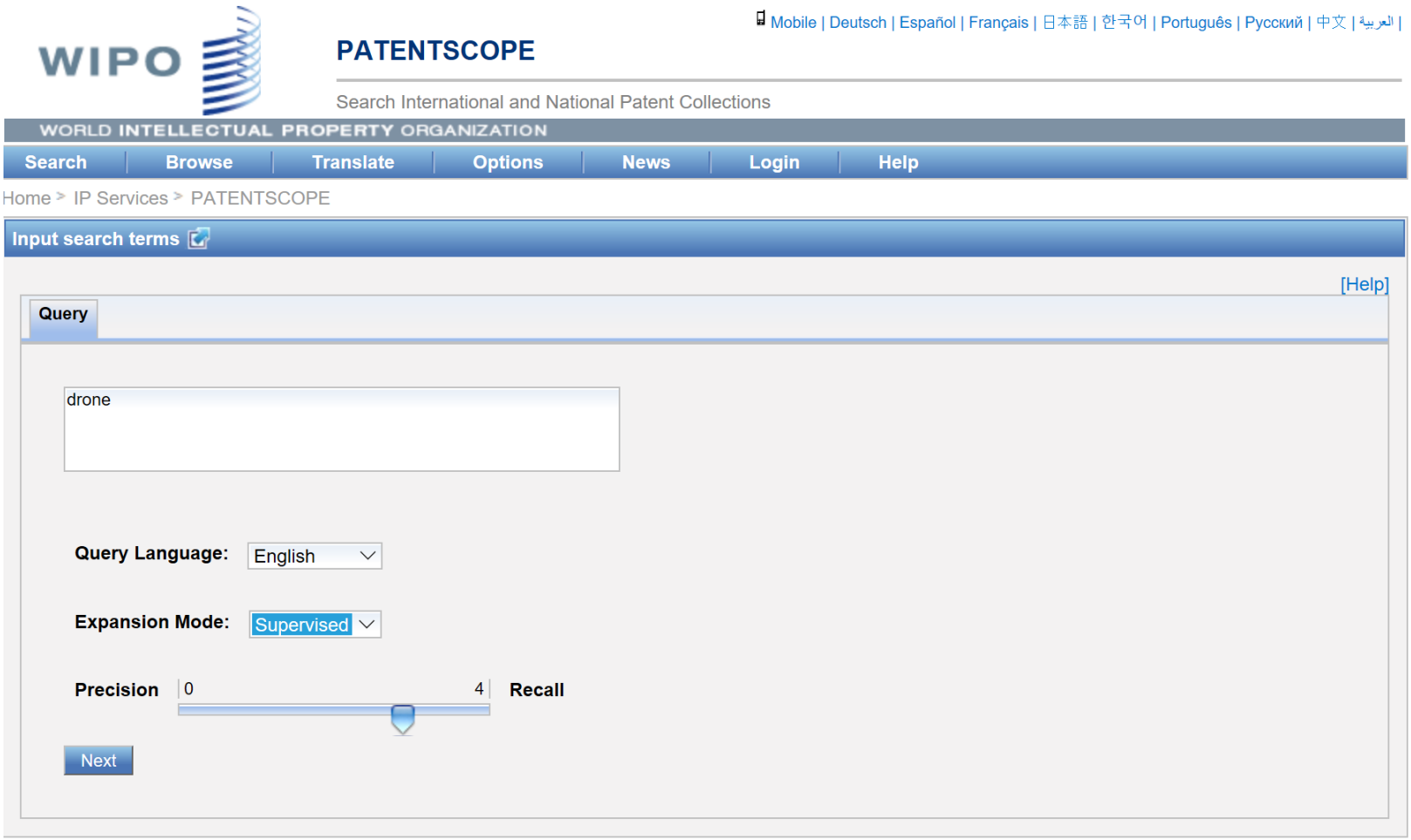
Example: Drone



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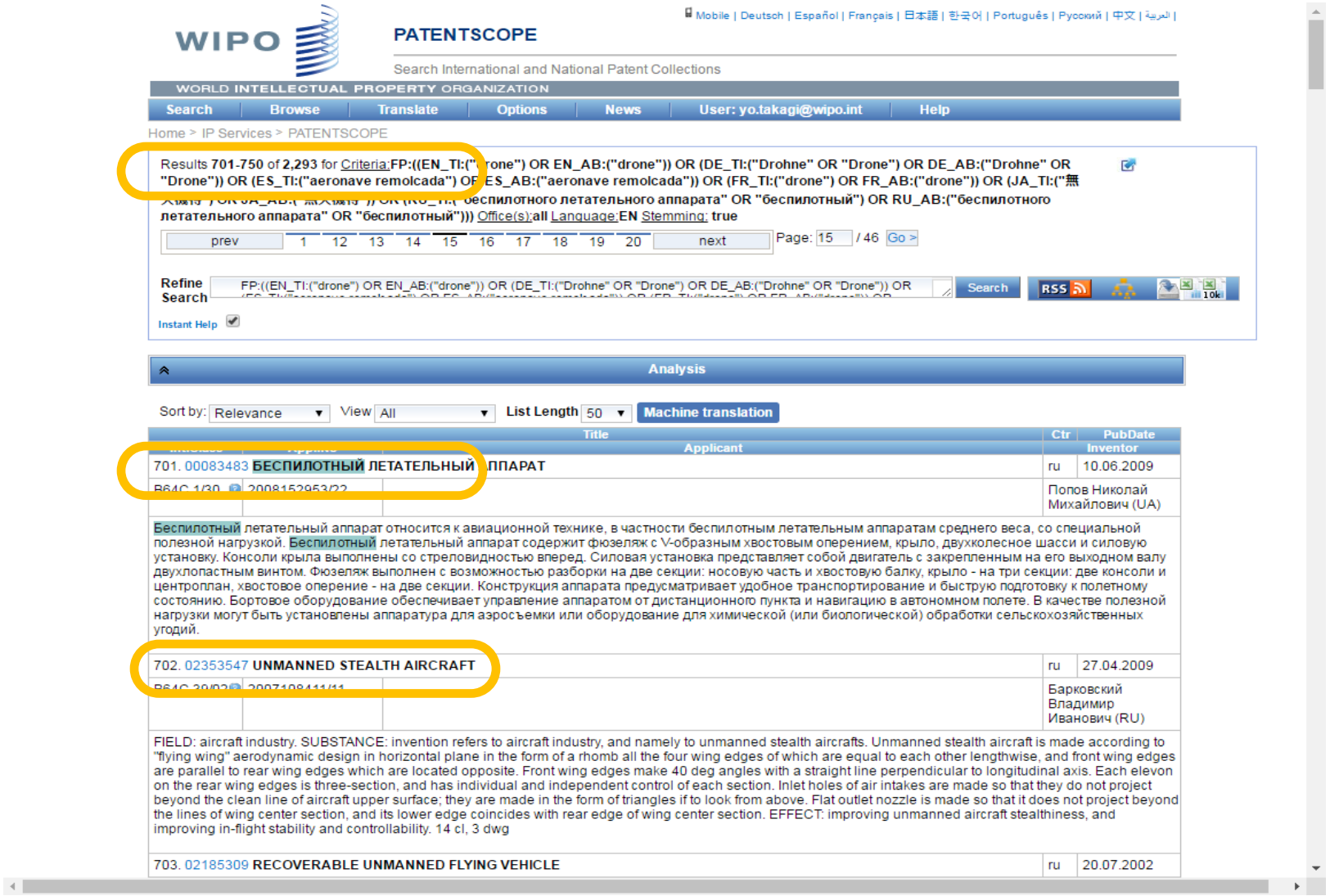

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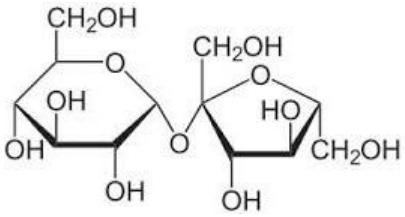
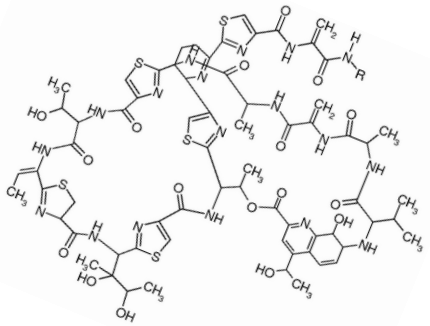
TIP 3 Chemical Compounds Search

- 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





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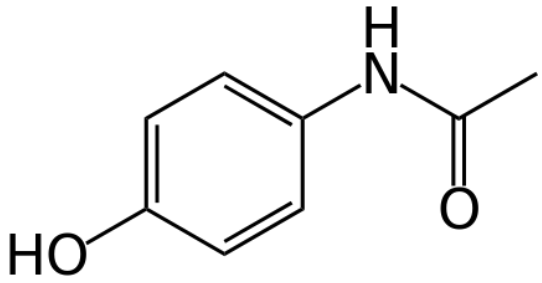
Example: Panadol®

(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.

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Chemical Compounds Search
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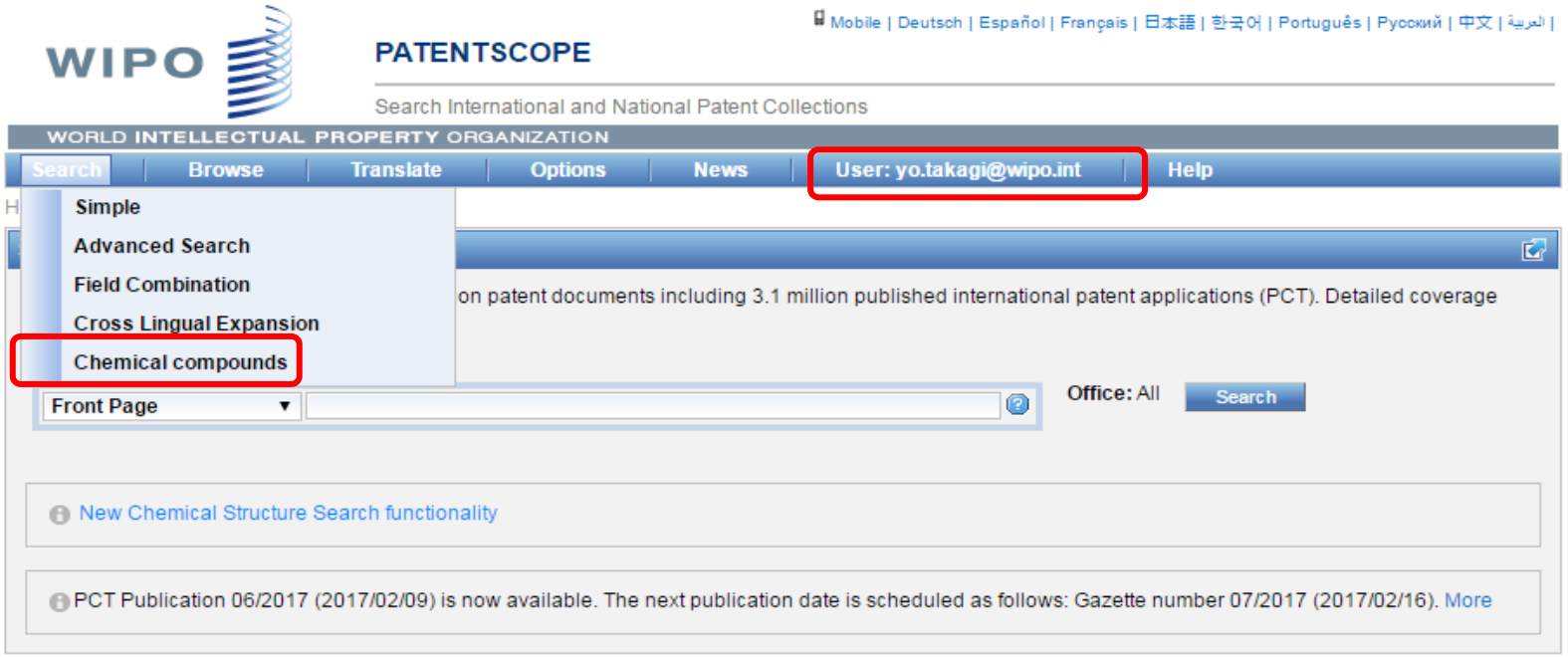

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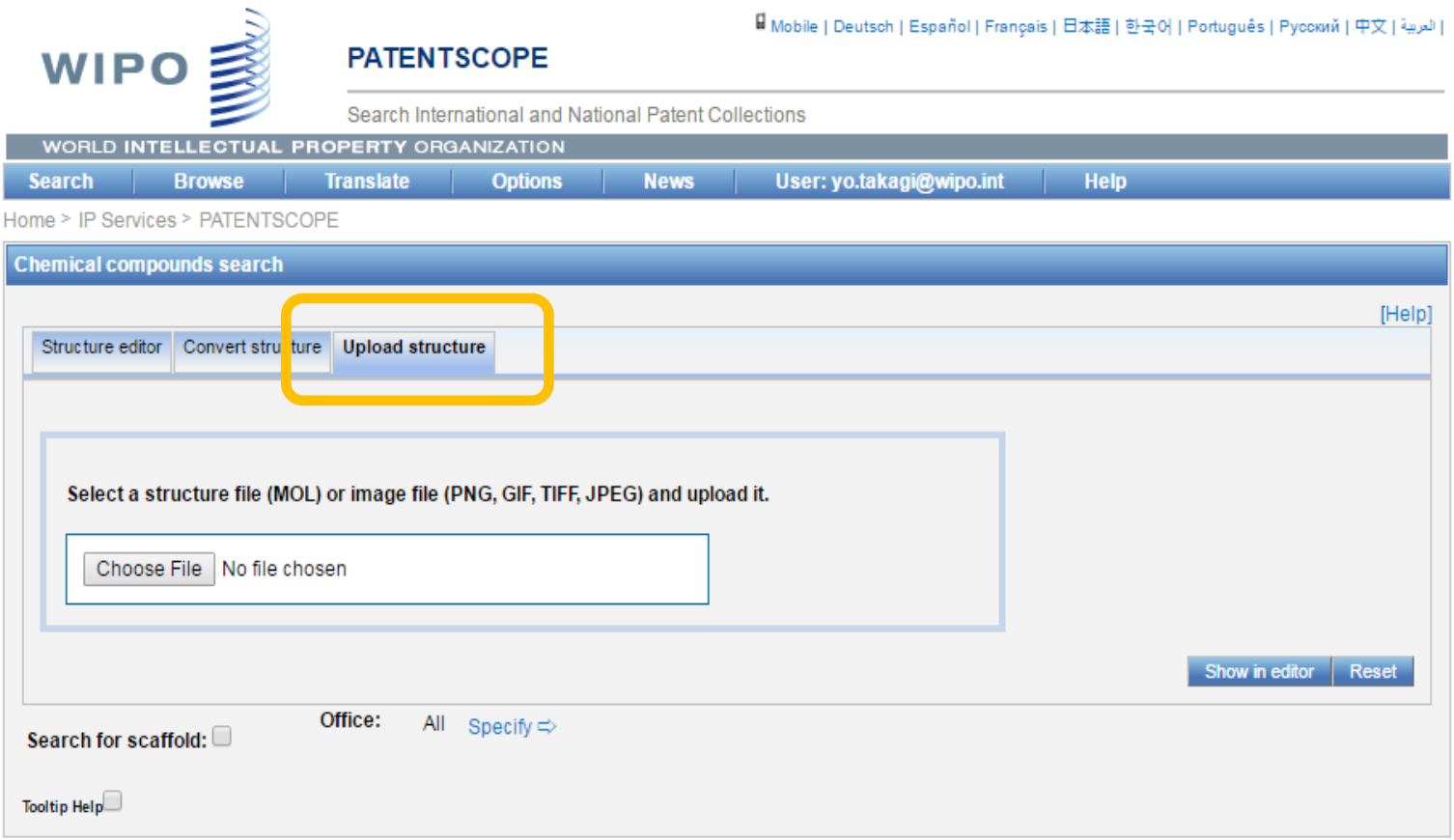
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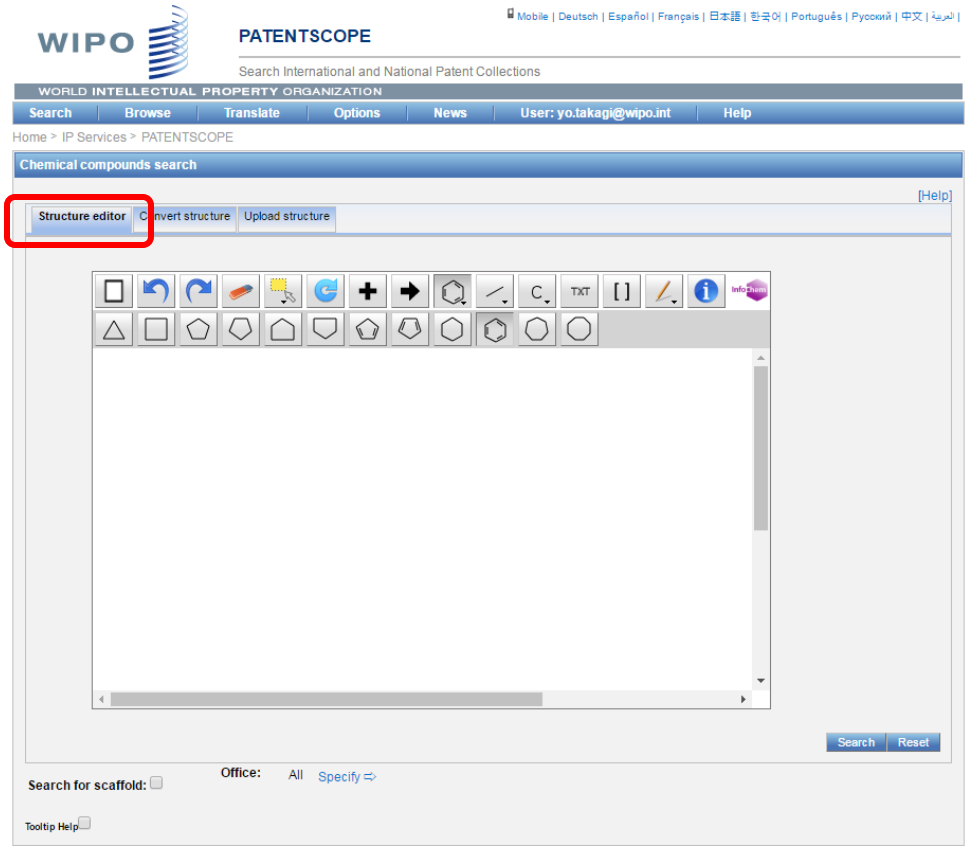
Chemical Compound Search



Draw or edit:

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

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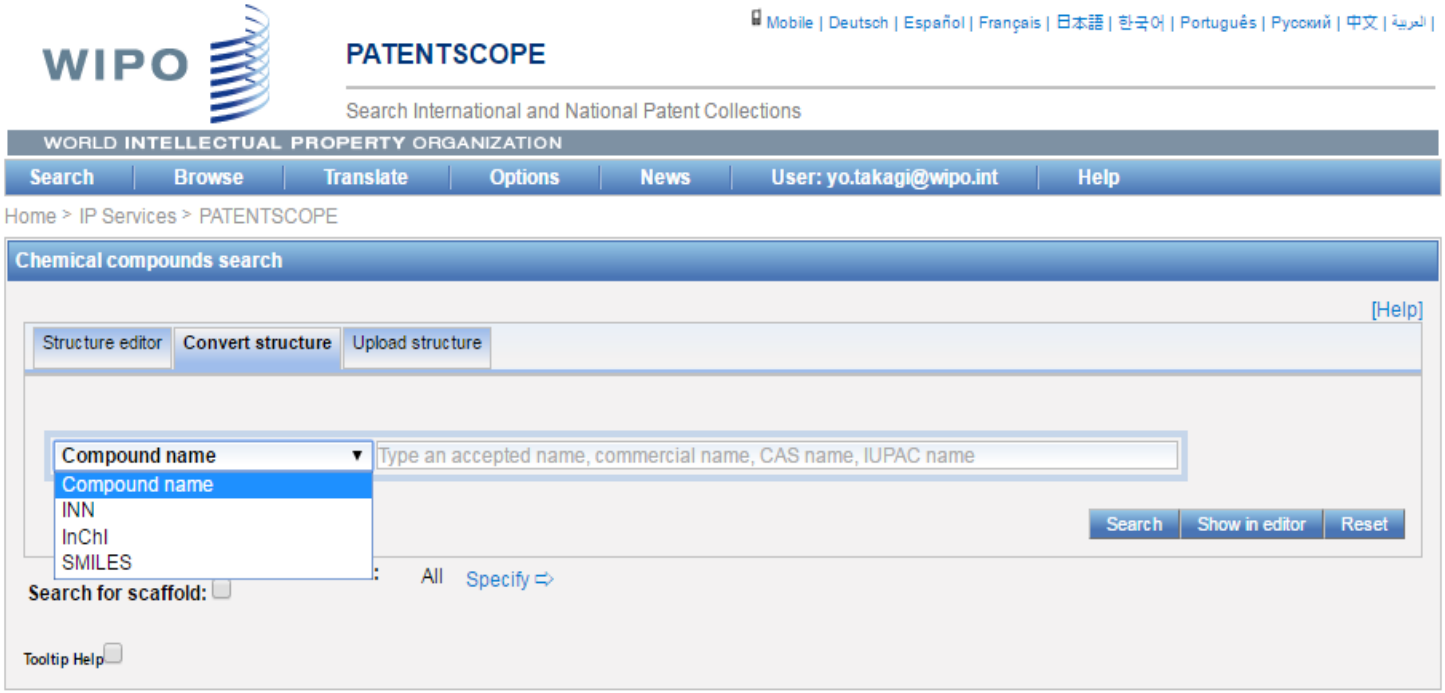
Convert Structure



- 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

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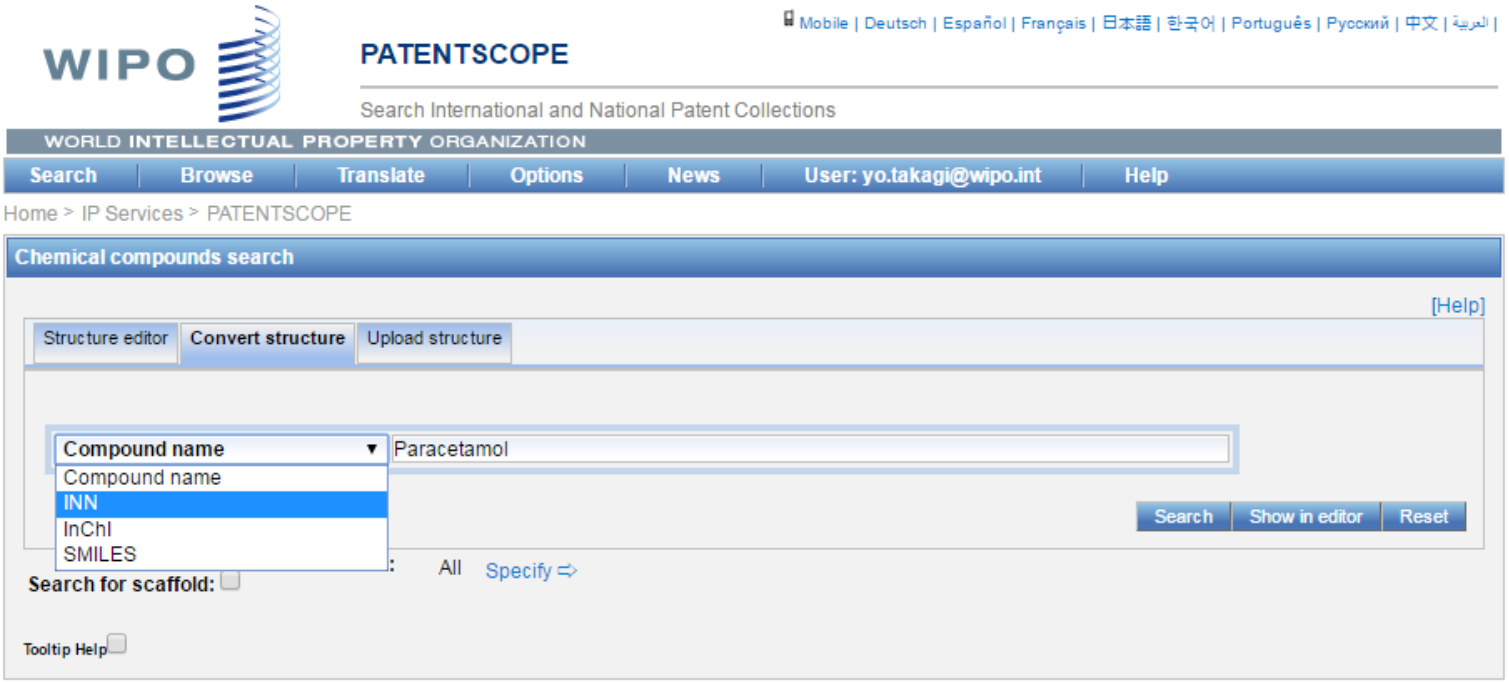
Example: Panadol (Paracetamol)



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

Instant Help

Analysis

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Int.Class	Appl.No	Applicant	Ctr / Inventor	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 27/327	PCT/EP2016/067460	LIFESCAN SCOTLAND LIMITED	HAMER, Malcolm D	

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

Latest bibliographic data on file with the International Bureau | Submit observation | PermaLink

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)
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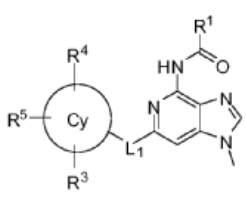
DE BLIECK, Ann; (BE).
BLANC, Javier; (ES)
Agent: **BAR, Grégory, Louis, Joseph**; (BE)

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 R^1, R^3, R^4, R^5, 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 R^1, R^3, R^4, R^5, 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.



I

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)

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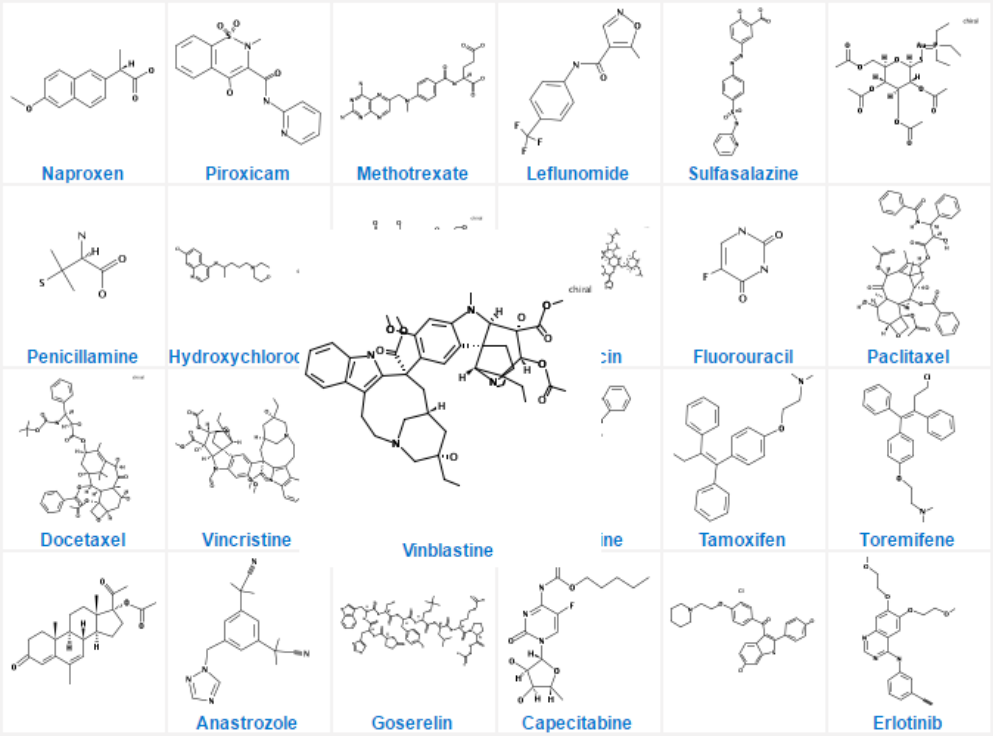
1. (WO2017012647) NOVEL COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS THEREOF FOR THE TREATMENT OF INFLAMMATORY DISORDERS



to reduce or prevent, respectively, cartilage degradation in the joints of said patient, and preferably terminate, 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 admi eady 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, s , the regimen for treatment usually stretches over many months or years so oral dosing is preferred for patient convenience a one to five and especially two to four and typically three oral doses per day are representative regimens. Using these dosing patte bout 0.01 to about 20 mg/kg of a compound of the invention, with particular doses each providing from about 0.1 to about 10 mg/k ut 5 mg/kg.

[0210] Transdermal doses are generally selected to provide similar c hieved using injection doses.

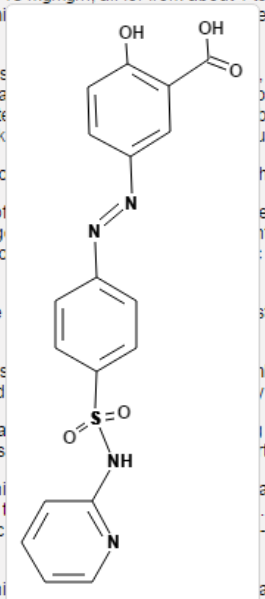
[0211] When used to prevent the onset of a condition, a compound of ed to a patient at risk for developing the condition, typically on the advice and under the supervision of a physician, at the dosag nts at risk for developing a particular condition generally include those that have a family history of the condition, or those who testing or screening to be particularly susceptible to developing the condition.

[0212] A compound of the invention can be administered as the sole stered in combination with other therapeutic agents, including other compounds that demonstrate

the same or a similar therapeutic activity and that are determined to s nbined administration. In a specific embodiment, co-administration of two (or more) agents allows for significantly lower d reducing the side effects seen.

[0213] In one embodiment, a compound of the invention or a pharma a compound of the invention is administered as a medicament. In a specific embodiment, said pharmaceutical compos ther active ingredient.

[0214] In one embodiment, a compound of the invention is co-admini agent for the treatment and/or prophylaxis of a disease involving inflammation; particular agents include, but are not limited t azathioprine, corticosteroids (e.g. prednisolone or dexamethasone), cyclophosphamide, cyclosporin A, tacrolimus, Myc -CD3 (OKT3, e.g. Orthocolone®), ATG, aspirin, acetaminophen, ibuprofen, naproxen, and piroxicam.



Sulfasalazine

[0215] In one embodiment, a compound of the invention is co-admini agent for the treatment and/or prophylaxis of arthritis (e.g. rheumatoid arthritis); particular agents include but are not limited to a lammatory drugs (NSAIDS), steroids, synthetic DMARDS (for example but without limitation methotrexate, leflunomide, sulfasalazi alate, penicillamine, chloroquine, hydroxychloroquine, azathioprine, and ciclosporin), and biological DMARDS (for example , Etanercept, Adalimumab, Rituximab, and Abatacept).

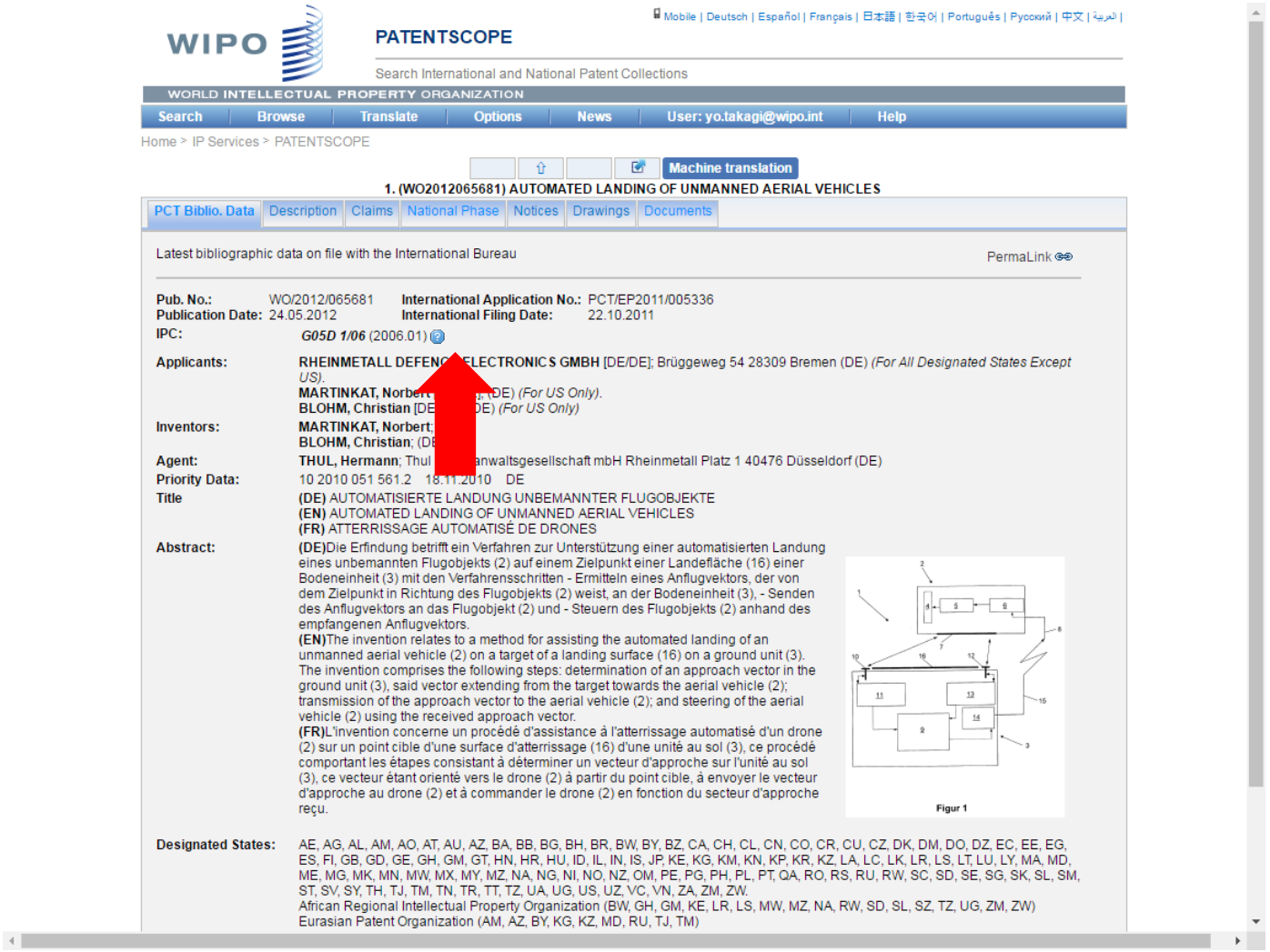
[0216] In one embodiment, a compound of the invention is co-administered with another therapeutic agent for the treatment and/or prophylaxis of proliferative disorders; particular agents include but are not limited to: methotrexate, leukovorin, adriamycin, prenisone, bleomycin, cyclophosphamide, 5-fluorouracil, paclitaxel, docetaxel, vincristine, vinblastine, vinorelbine, doxorubicin, tamoxifen, toremifene, megestrol acetate, anastrozole, goserelin, anti-HER^2 monoclonal antibody (e.g. HerceptinTM), capecitabine, raloxifene hydrochloride, EGFR inhibitors (e.g. Iressa®, Tarceva™, Erbitux™), VEGF inhibitors (e.g. Avastin™), proteasome 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. infliximab (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,

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



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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

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

Inventors: **MARTINKAT, Norbert**;
BLOHM, Christian; (DE)

Agent: **THUL, Hermann**; Thul Patentanwaltsgesellschaft 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) ATTERRISSAGE 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.

Figur 1

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)

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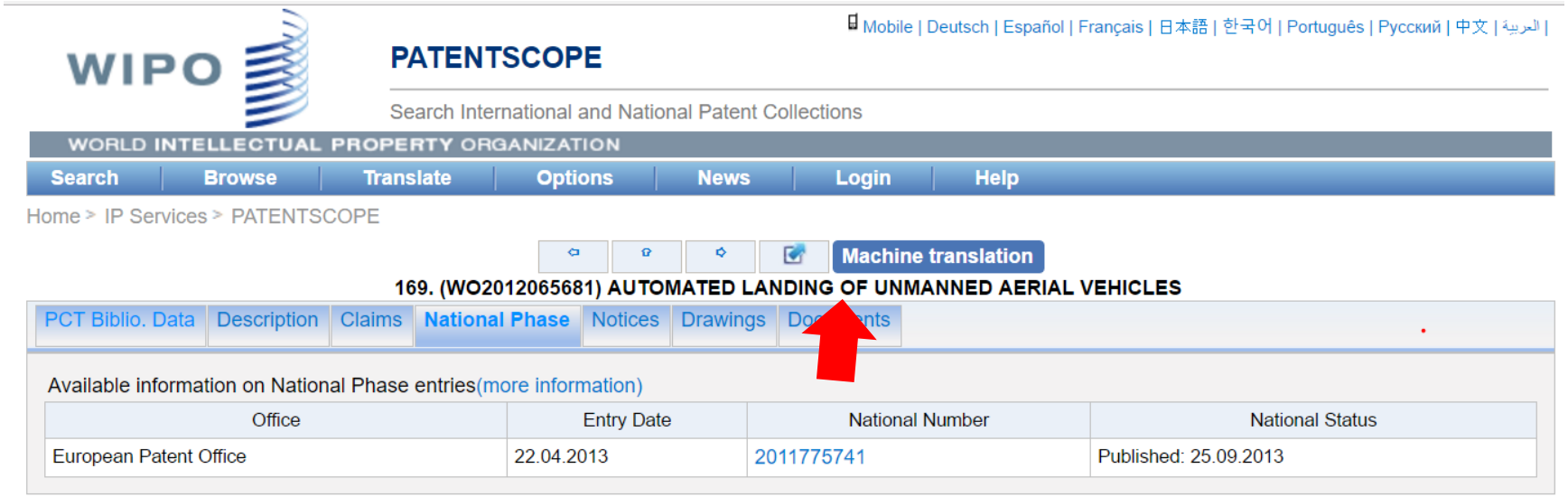
TIP 4 National Phase Information and Examination Reports (WIPO CASE Dossier)



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Machine translation

1. (WO2012065681) AUTOMATED LANDING OF UNMANNED AERIAL VEHICLES

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

International Application Status

Date	Title	View	Download
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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WIPO launched Neural Machine Translation (AI) for Asian Languages in October 2016

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, appellat
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

WIPO Translate

WIPO Translate is a ground-breaking "artificial intelligence"-based translation tool for patent documents. It is available through the PATENTSCOPE database.

Press release | Video

IP for development

Learn about our global cooperation and development activit
assistance to IP offices. Consult information by country. Joi
Center (TISC).

FINANCIAL TIMES

HOME WORLD US COMPANIES MARKETS OPINION WORK & CAREERS LIFE & ARTS

Artificial Intelligence and Robotics ✓ Added

Patent translator flies artificial intelligence flag for public sector

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

Read next

Robots at the Scienc
London – entertaini

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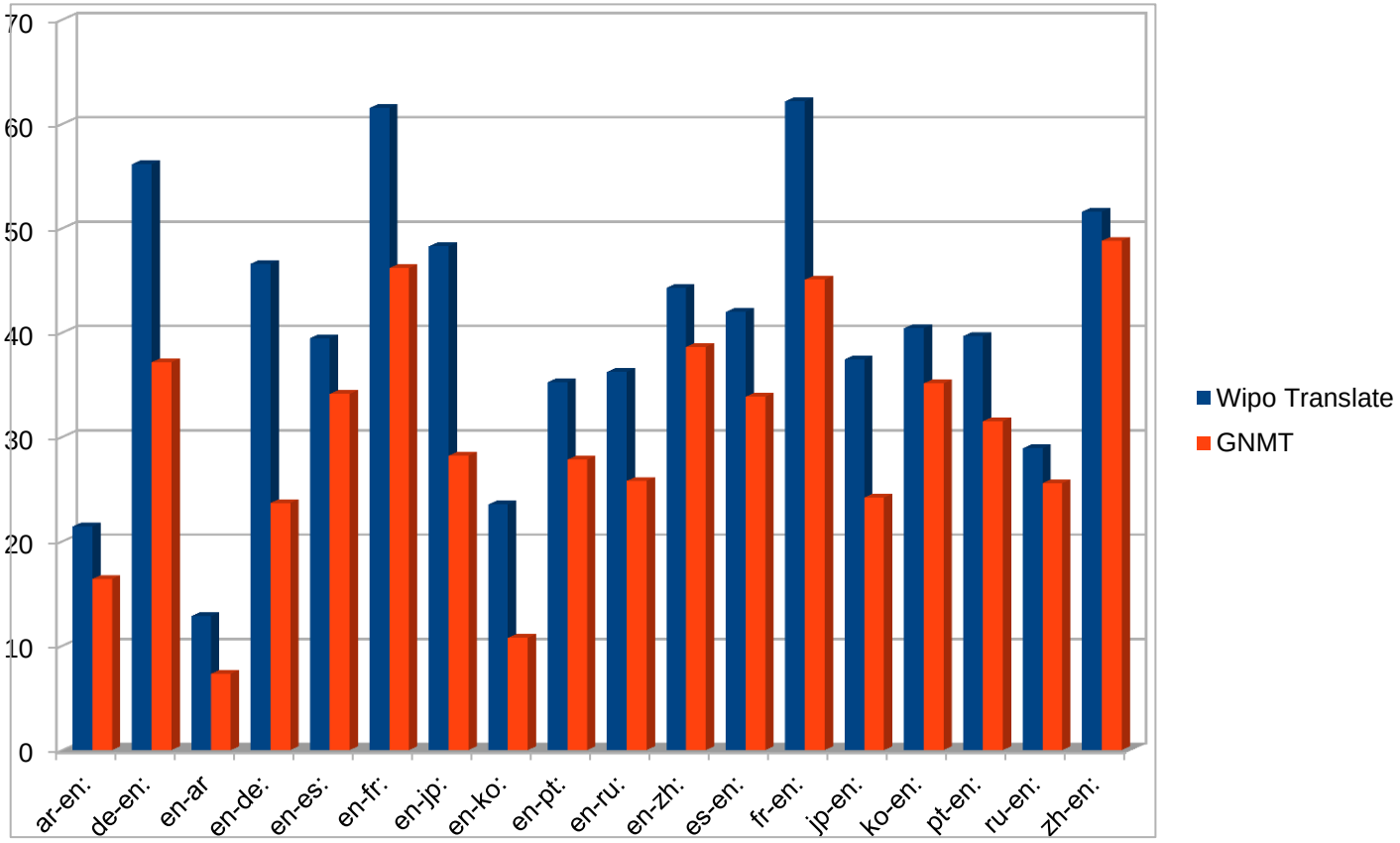
Competitive translation quality: BLEU scores:



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WIPO Translation beta version Chinese, Japanese - English

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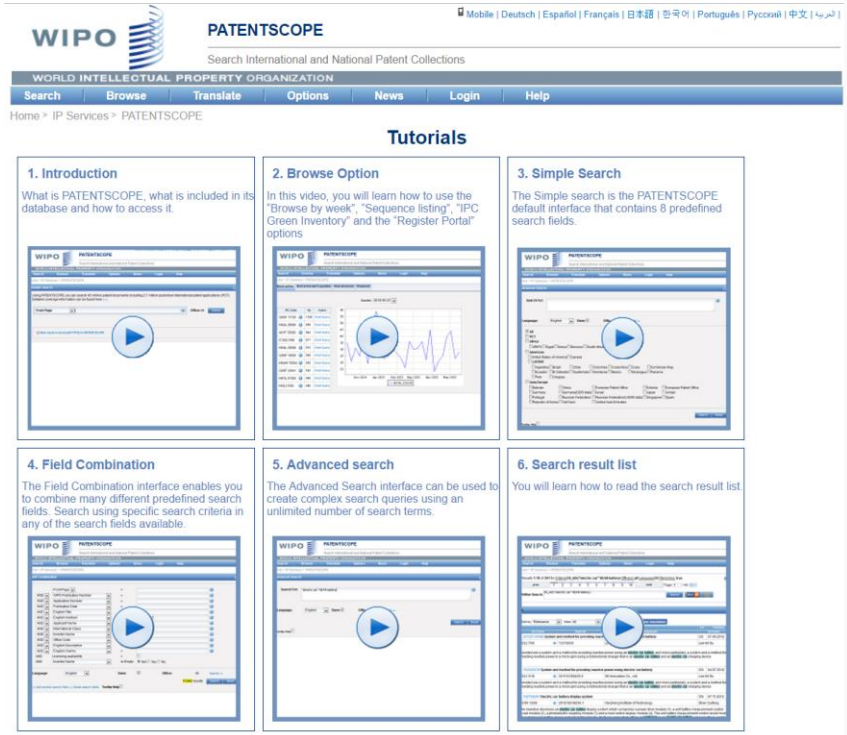
PATENTSCOPE: Learning Resources

Video tutorials



Webinars

Register for upcoming webinars

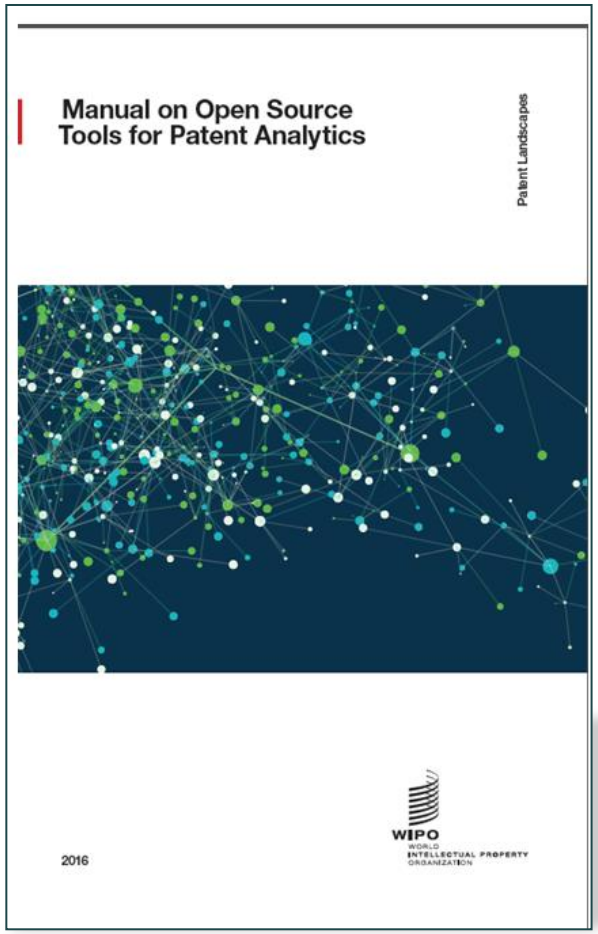
- Overview of PATENTSCOPE (February 14 or 16, 2017)
- Complex queries in PATENTSCOPE (March 14 or 16, 2017)
- Result list and analysis tools in PATENTSCOPE (April 25 or 27, 2017)
- Cross-lingual Information Retrieval tool (CLIR) in details (May 9 or 11,2017)

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

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WIPO Lex

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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

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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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Chile (56)
China (296)
> Hong Kong, China (134)
> Macao, China (32)
Colombia (100)
Comoros (9)

Subject Matter

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News on IP Laws

All news

Email updates

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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))

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 HTM (Version with Automatic Translation Tool)
Related Legislation:	**Amends** • Measures on Administrative Enforcement of Patents (as amended on July 1, 2015) (CN398)
WIPO Lex No.:	CN397

Shortcuts

China

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)

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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

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WIPO DAS

(Digital Access System

for transmitting priority documents)

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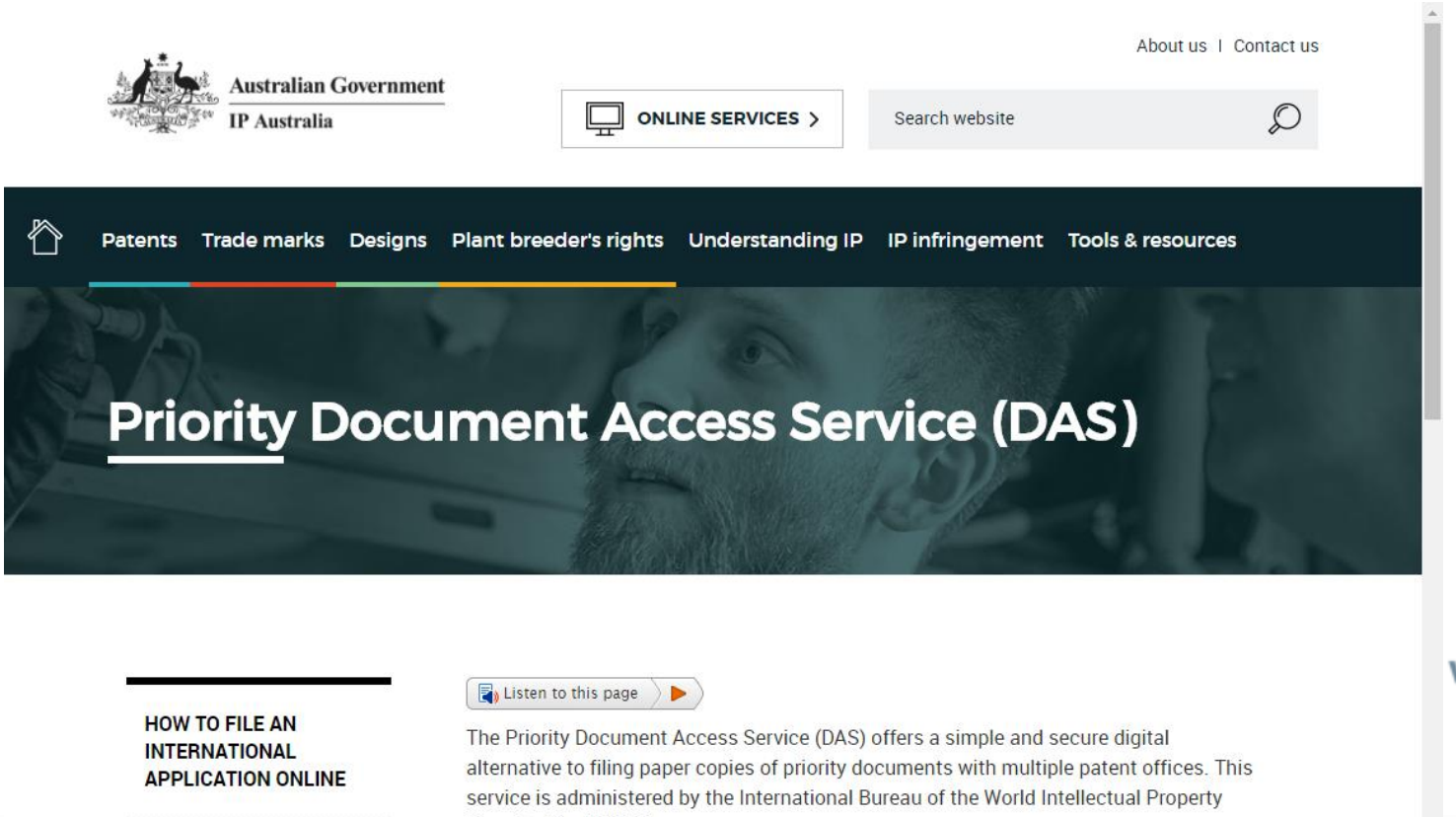
WIPO Digital Access System (DAS)

- 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



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WIPO CASE

(Centralized Access to Search and Examination)

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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
Cambodia	
Eurasian Patent Organization (EAPO)	
India	
Indonesia	
Lao PDR	
Malaysia	
Mongolia	
New Zealand	Indicated willingness to become a providing office.

Accessing-only Offices	Notes
Papua New Guinea	
Philippines	
Singapore	Indicated willingness to become a providing office.
Thailand	
Viet Nam	

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Recent Usage

- Period: 2016, year to date (to September)
- Total: 27,606 (based on Counts of Accessed Documents)
- Top Offices:
  - As Providing Office

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%

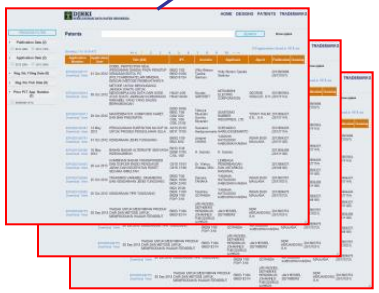
  - As Accessing Office

Office	Recent Usage	
	Count	Percentage of Total
CN	8214	30%
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%

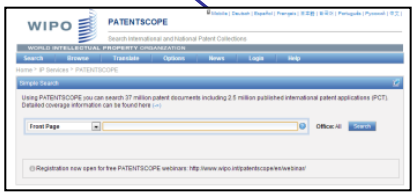
Public Access

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

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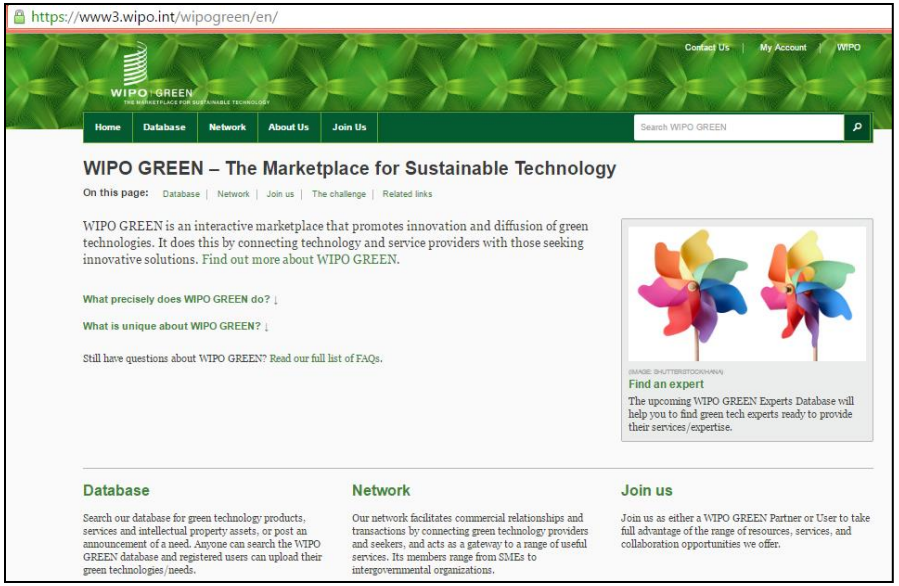
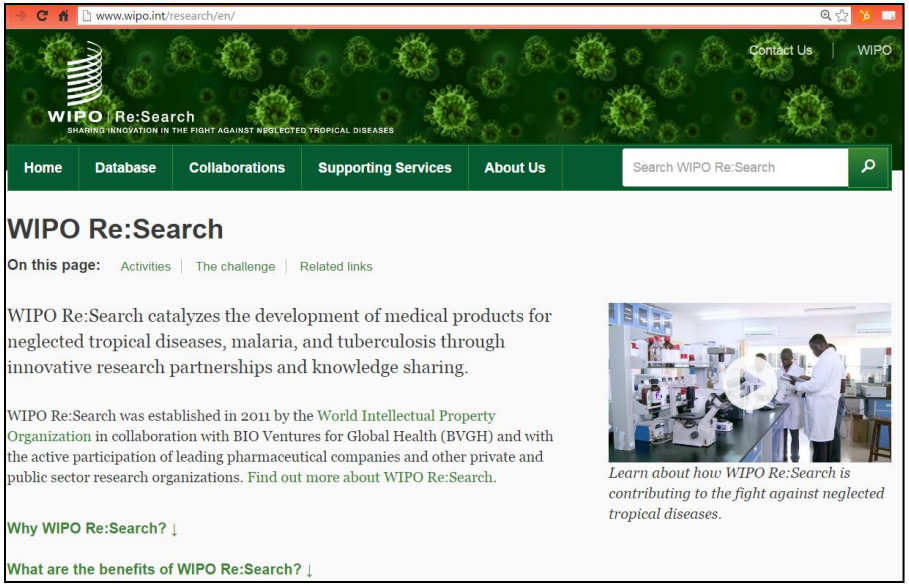
Multi-stakeholder Platforms

WIPO GREEN



WIPO Re:Search



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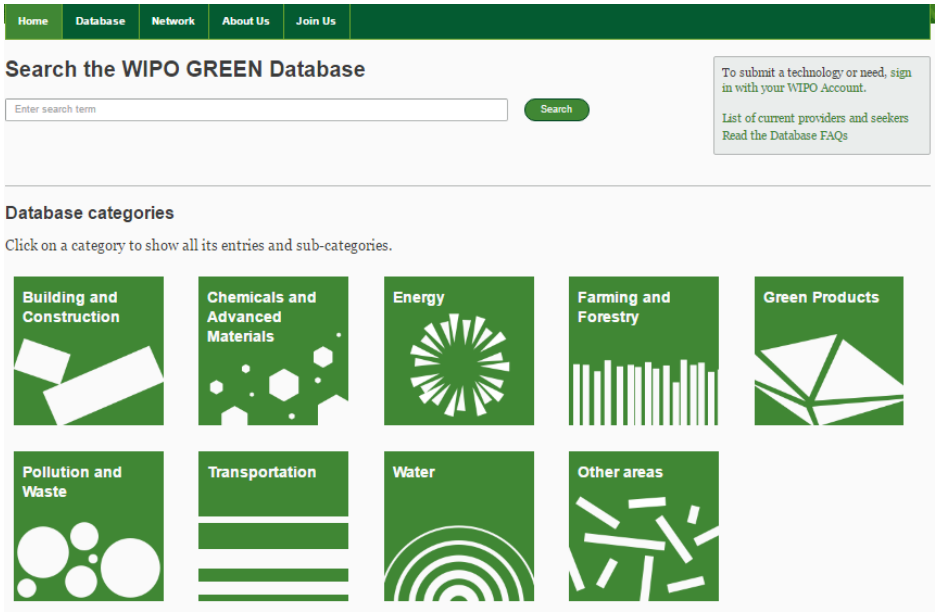
WIPO Green



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

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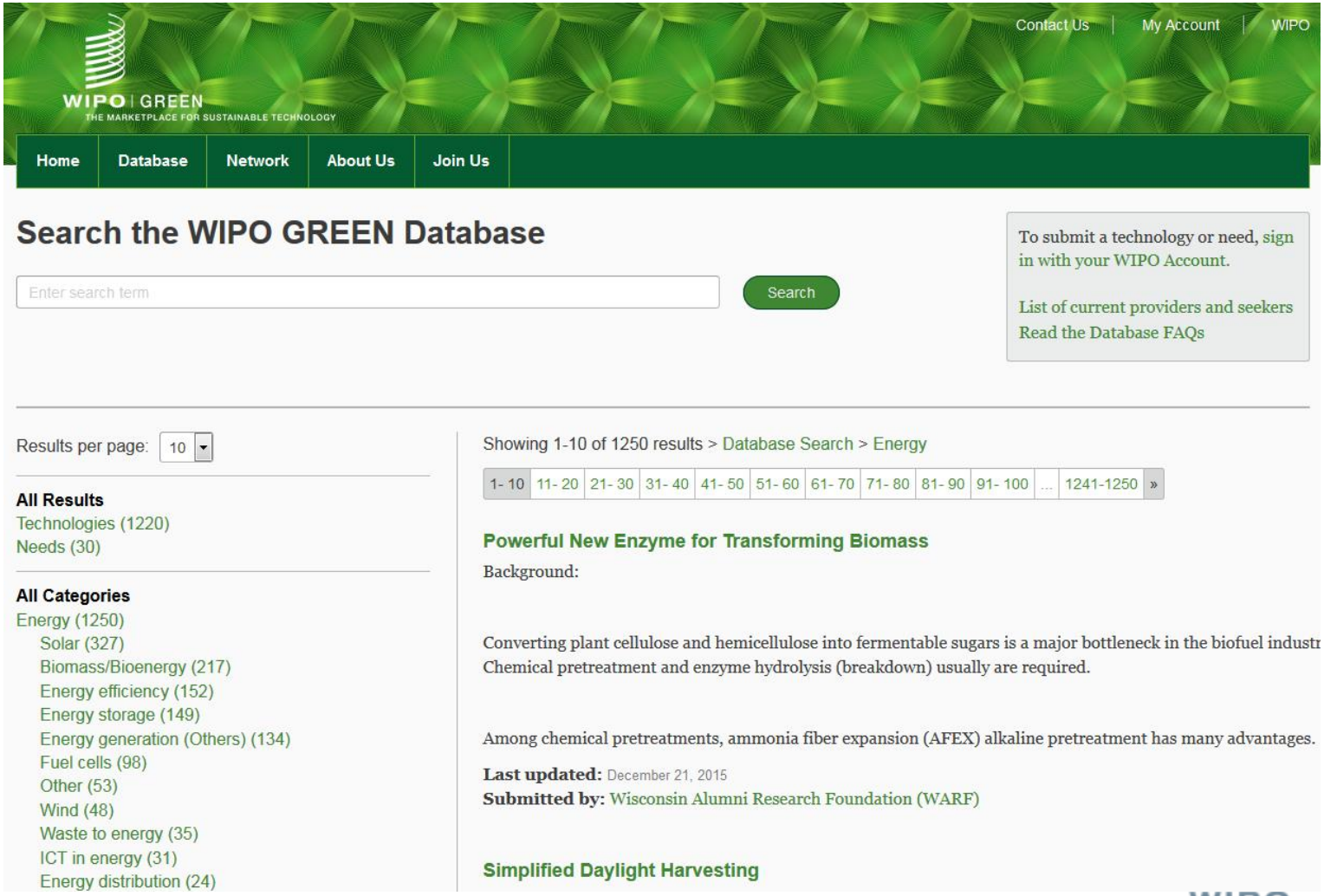
WIPO Green example: Energy



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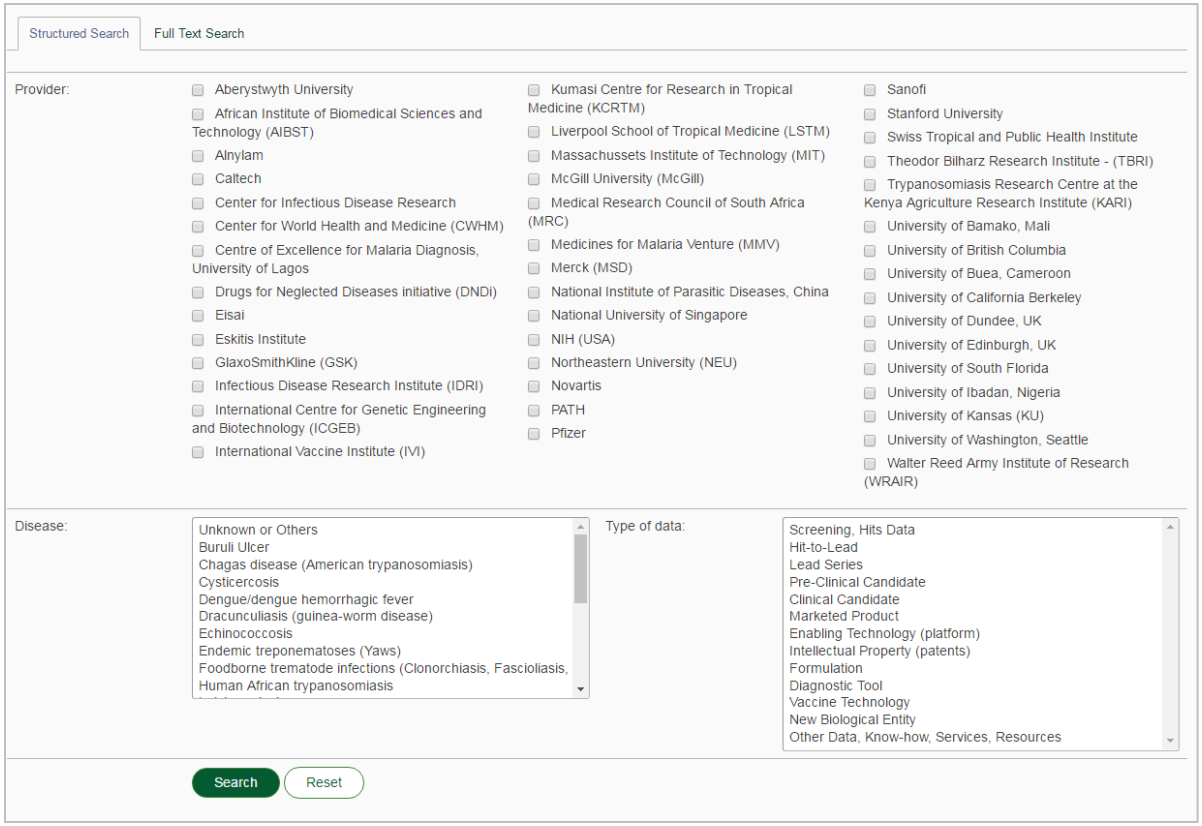
WIPO Re:Search

- Initiative in the field of neglected deseases, tuberculosis and malaria
- Includes a database with information on availability of IP rights and other information
- Based on the principle of voluntary contribution



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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

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