WIPO
WORLD
INTELLECTUAL PROPERTY
ORGANIZATION

Roving Seminar on WIPO Services and Initiatives





Newcastle, United Kingdom
April 26, 2018

Introduction to WIPO

Mr. Vazquez Lopez, Head,
Section for Coordination with Developed Countries,
Department for Transition and Developed Countries

Newcastle, 26 April 2018

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Who we are

- International intergovernmental organization
- Established in 1967
- 191 member states
- 350 + accredited observers
- 1300 staff from 120 countries
- 26 treaties

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Where we are

WIPO main offices

What we do

We help governments, businesses and individuals make **intellectual property** work for **innovation** and **creativity**

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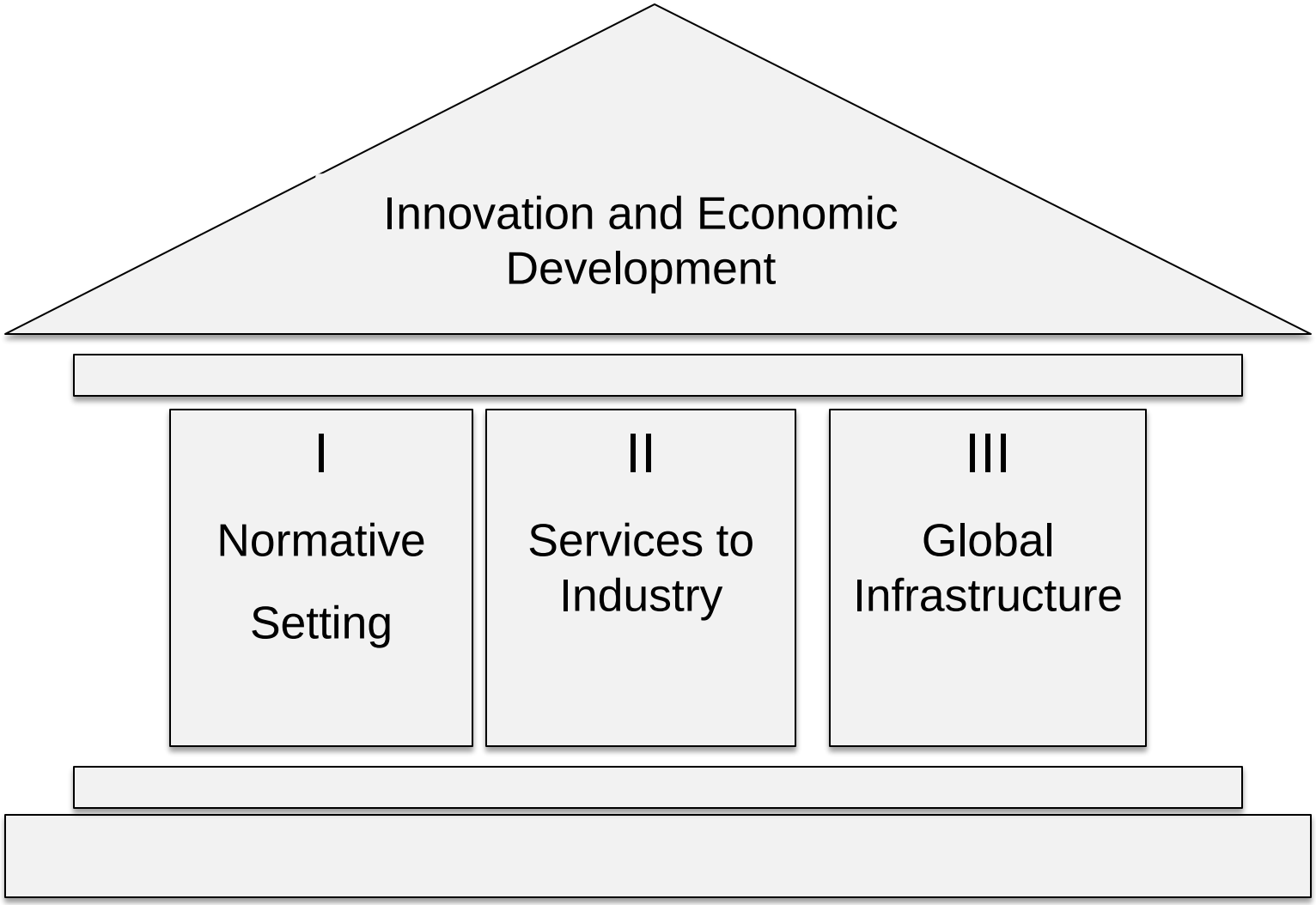
How we do it



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1. Normative Developments

- Singapore Treaty on the Law of Trademarks (2006)
- Marrakesh Treaty for Visually Impaired Persons (2013)

2. Provider of Premier Global IP Services

Madrid System (Trademarks)

Patent Cooperation Treaty (Patents)

Hague System (Industrial Designs)

WIPO Arbitration and Mediation Center

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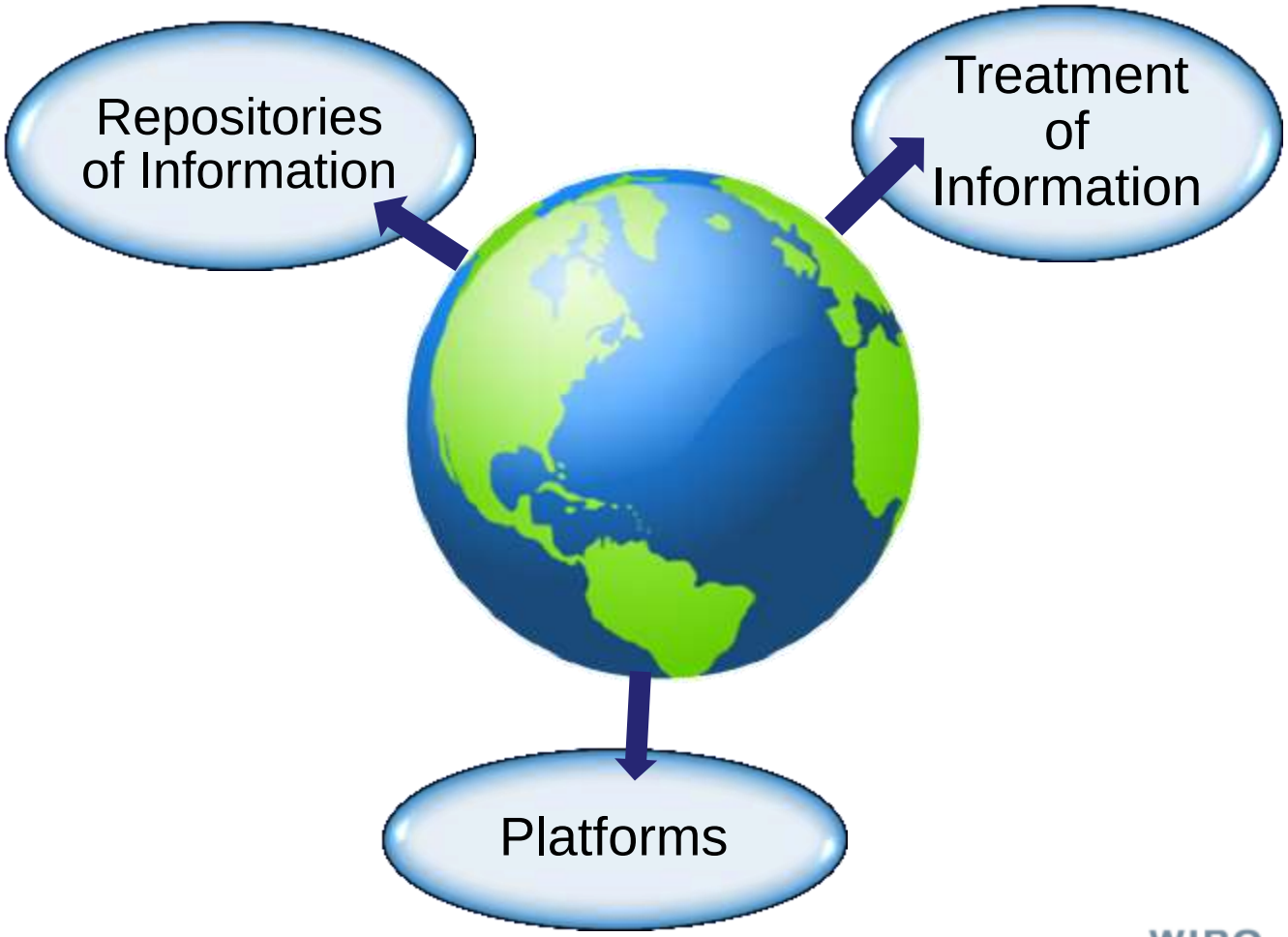
3. Global IP Infrastructure



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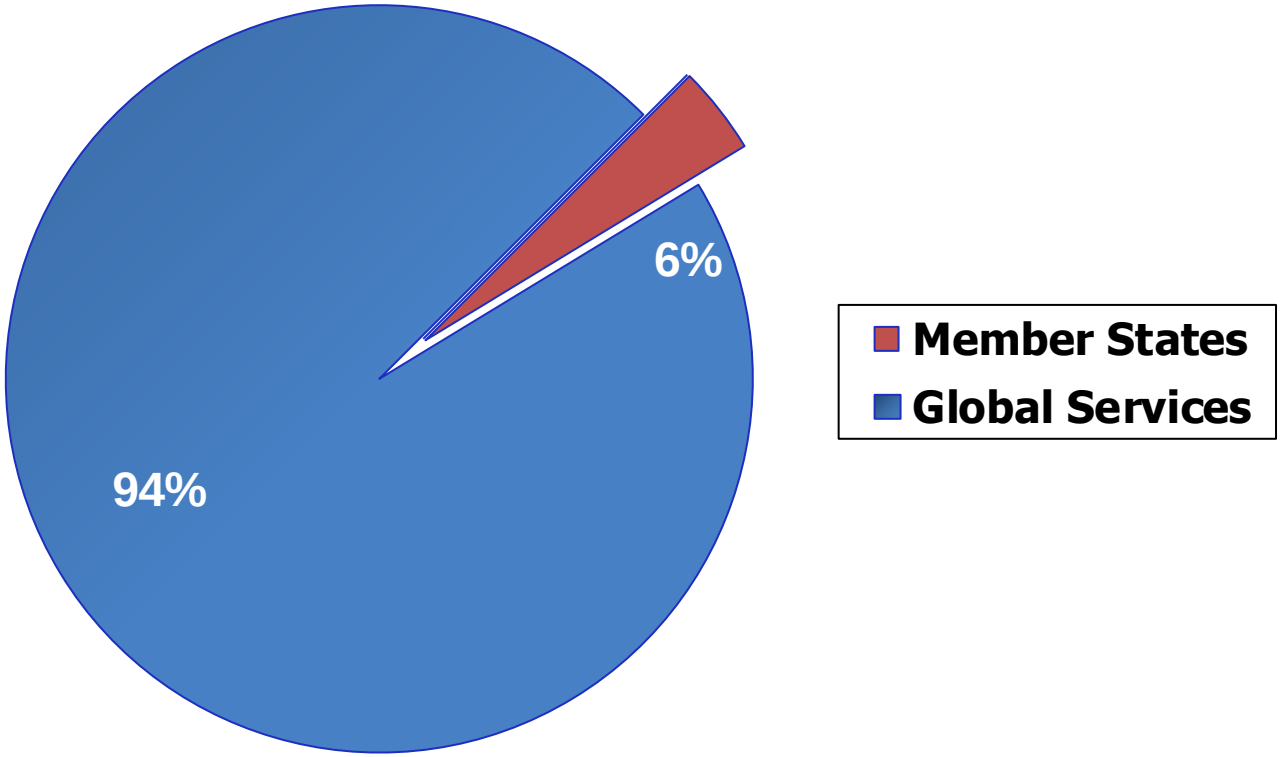
Sources of Income



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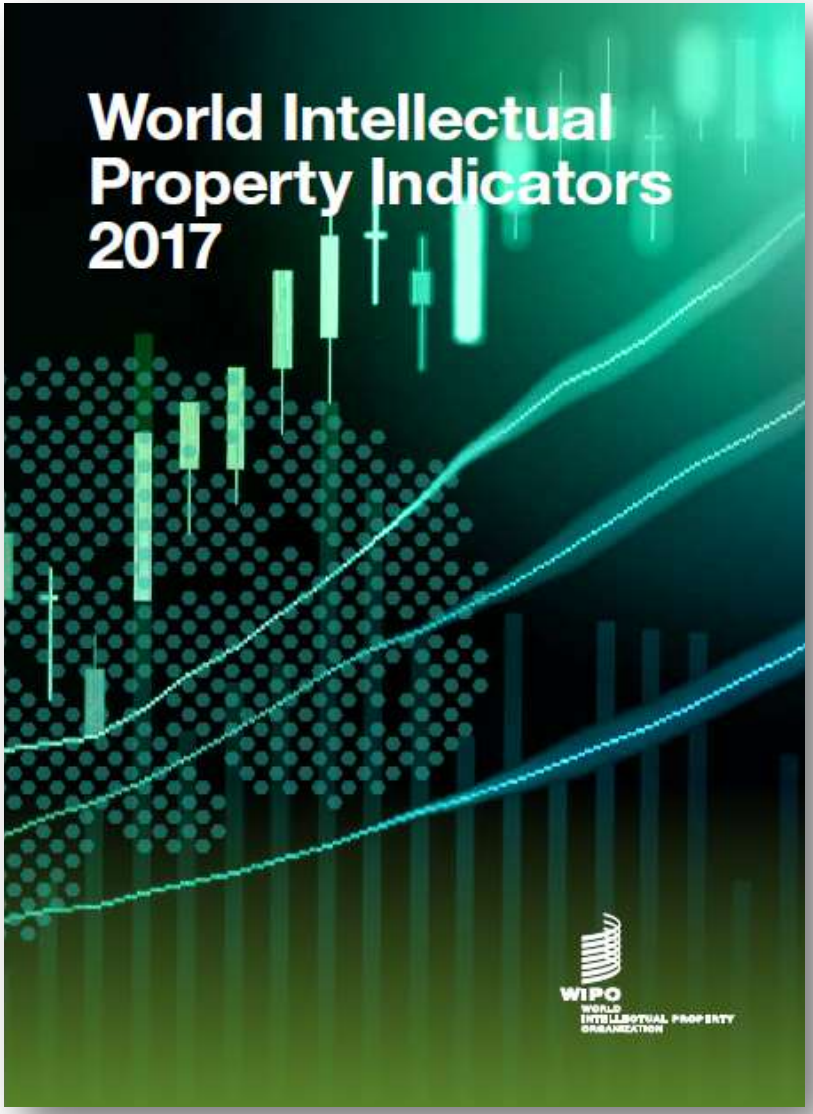
Major Economic Studies on IP



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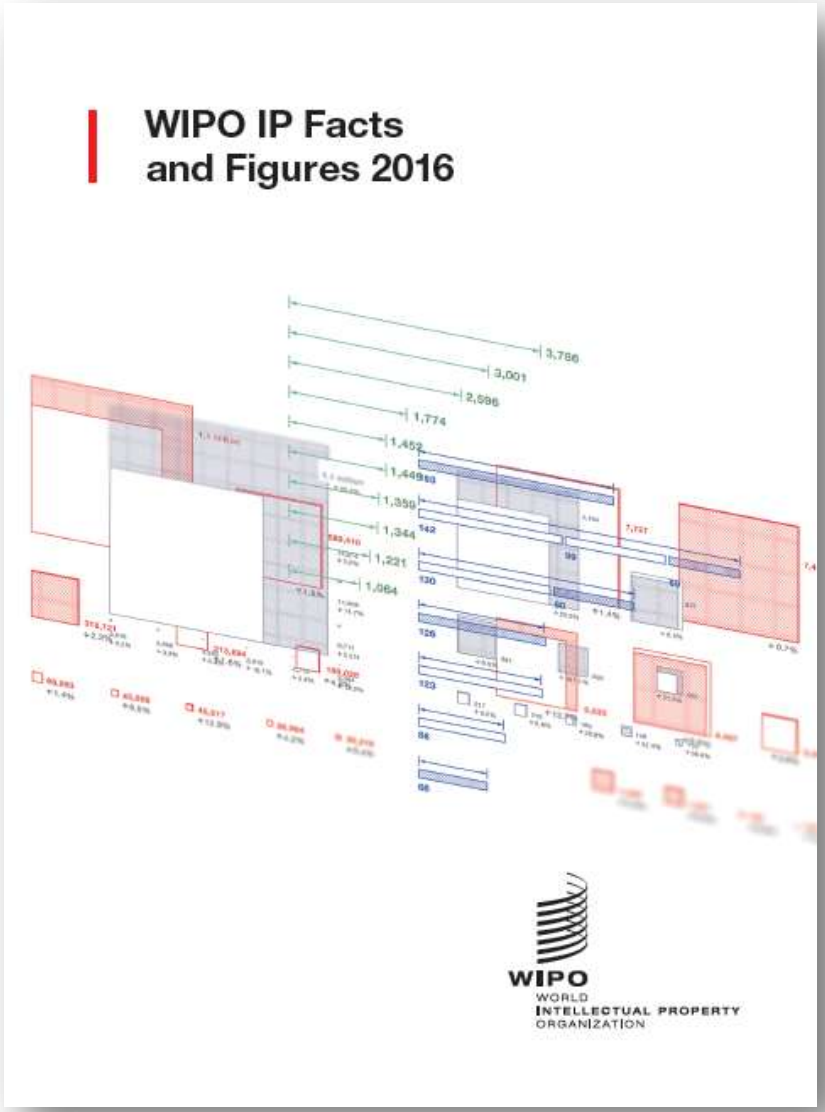
Major Economic Studies on IP



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Major Economic Studies on IP

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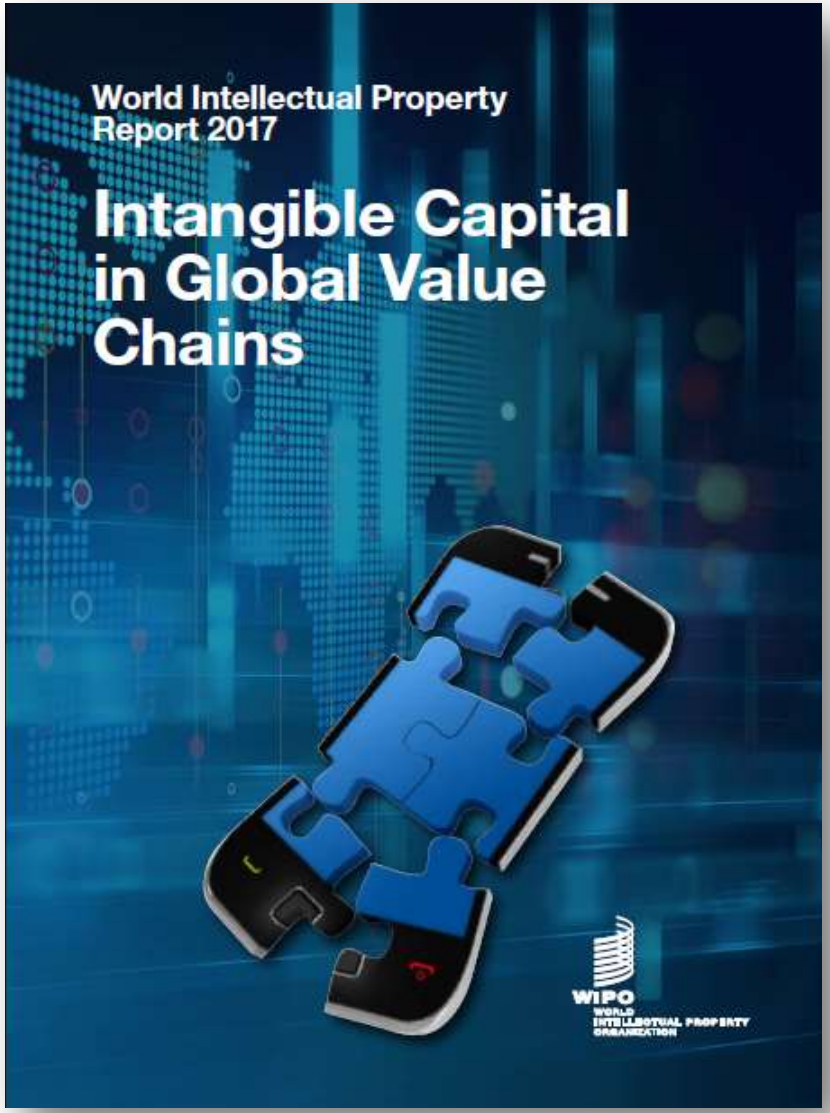
Major Economic Studies on IP



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United Kingdom

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
15. NEW ZEALAND

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)
15. CANADA

RANKING 2017

1. SWITZERLAND
2. SWEDEN
3. NETHERLANDS
4. UNITED STATES OF AMERICA
5. **UNITED KINGDOM**
6. DENMARK
7. SINGAPORE
8. FINLAND
9. GERMANY
10. IRELAND
11. REPUBLIC OF KOREA
12. LUXEMBOURG
13. ICELAND
14. JAPAN
15. FRANCE

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	Strengths	Challenges
Institutions	1. Regulatory quality	
Human capital & research	2. QS university ranking	1. Gov't expenditure/pupil 2. Pupil-teacher ratio 3. Tertiary enrolment
Infrastructure	3. ICT access 4. Government's online service 5. E-participation	4. Gross capital formation
Market sophistication	6. Intensity of local competition	5. Applied tariff rate
Business sophistication		6. FDI net inflows 7. Research talent, in business enterprise
Knowledge & technology outputs	7. Citable documents H index 8. Computer software spending	8. Growth rate of PPP$ GDP/worker 9. FDI net outflows
Creative outputs	9. ICTs & business model creation 10. ICTs & organization model creation 11. Video uploads on YouTube	10. Trademarks by origin

Everything you always wanted to know about WIPO

www.wipo.int/pressroom/en/news/2016/news_0009.html

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Powering change: Women in innovation and creativity

World Intellectual Property Day 2018

April 26

#worldipday
wipo.int/ipday
youtube.com/wipo

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  www.wipo.int/wipo_magazine/en/
- WIPO Wire:
  www.wipo.int/newsletters/en
- Press releases
  www.wipo.int/pressroom/en/

Introduction to the Patent Cooperation Treaty (PCT)

Mr. Michael Richardson, Director,
PCT Business Development Division,
PCT Legal and International Affairs Department,
Patents and Technology Sector (PTS), WIPO

Newcastle, 26 April 2018

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WHY INTERNATIONAL PROTECTION?

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International Patent Protection

- Attract investors
- Increase bargaining power
- Strengthen your market position
- Licensing opportunities

WHY PCT?

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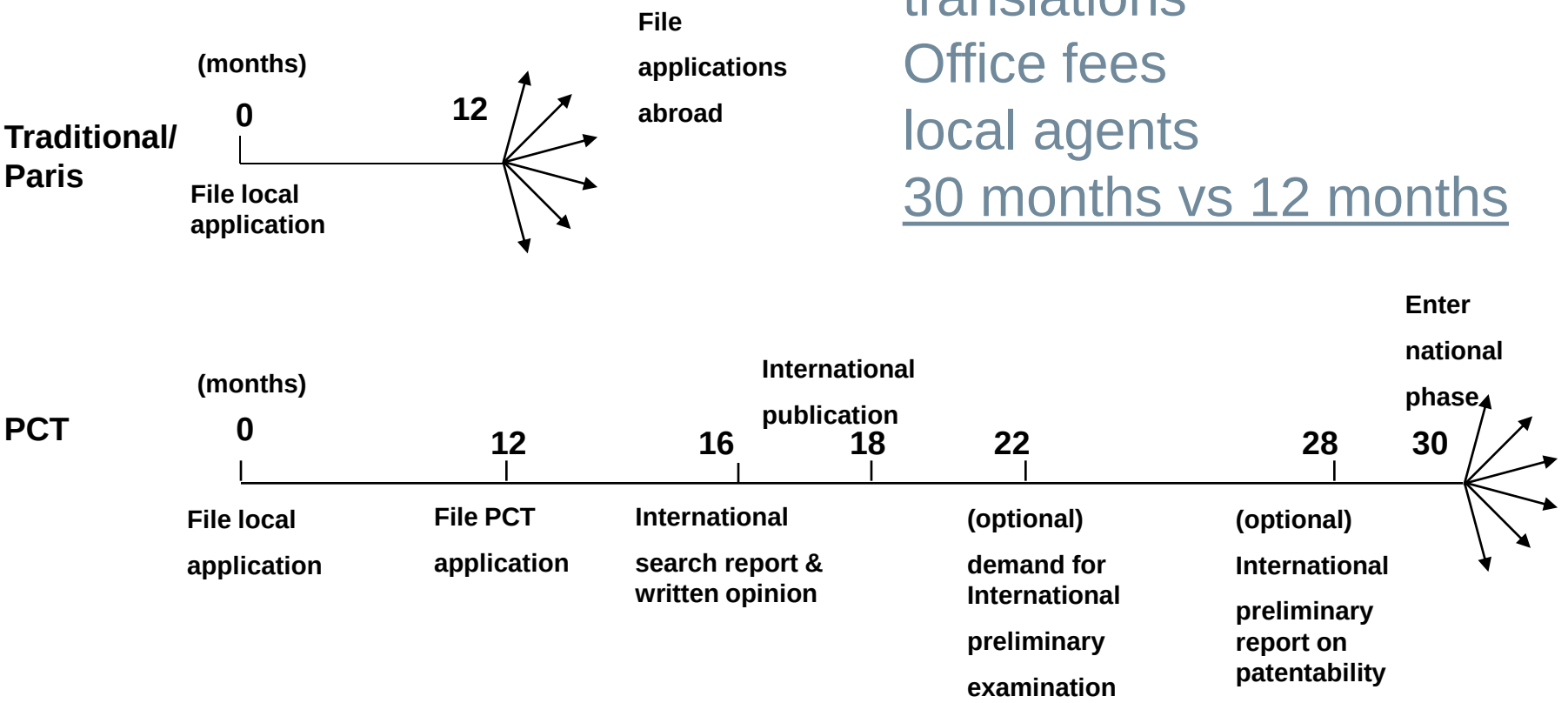
Questions

- Do you really know whether your invention is new and patentable?
- Do you really know whether there is a market?
- Do you really know where that market could be?
- Do you have a realistic strategy to develop that market?
- Including enough consideration of design and branding?
- Do you have the capacity or partners to finalize a product and supply the market?

Postpone Costs



Fees for:
translations
Office fees
local agents
30 months vs 12 months

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Strong Basis for Patenting Decisions

Example: PCT International Search Report

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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Summary of Advantages

Not an international patent, but (for most) a safer and more efficient route into the international patent system

- Postpone costs
- Strong basis for patenting decisions
- Opportunity for centralized amendments
- Protection from certain inadvertent errors
- Harmonizes formal requirements
- Can result (if PCT reports are positive) in accelerated national phase processing

Key Messages

- Study the market properly
- Get professional assistance early
- Find good partners
- But don’t disclose your invention before filing your application without a non-disclosure agreement
- Think about the effect of branding and appearance as well as technical functionality
- Consider the differences in markets worldwide

- Use the PCT if it helps you to do this effectively

PCT TESTIMONIALS

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Testimonial: Start-up

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

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

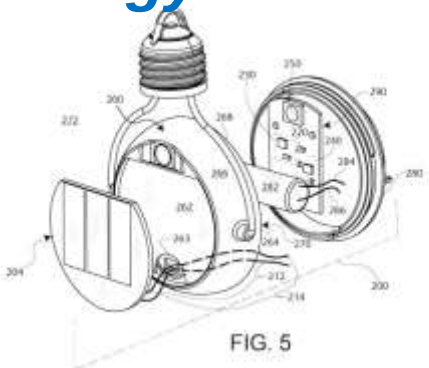

FIG. 5

Source: WIPO Magazine, February 2016

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Testimonial: Inventor

Professor Shuji Nakamura—co-winner of the 2014 Nobel Prize for Physics for his work on blue LED technology

"… 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."

December 2014 *WIPO Magazine*

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Testimonial: Large Company

Qualcomm:

- Started in 1985 with 7 people
- Today more than 170 offices in more than 40 countries, and 33,000 employees
- $25.3 billion in revenue in FY 2015
- #5 user of PCT in 2017: 2,163 PCT applications published

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

CEO Paul Jacobs, 2011

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RECENT AND FUTURE DEVELOPMENTS

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PCT Changes from July 2017

- National Offices required to provide national phase entry information (Rules 86 and 95)
  - better information on worldwide scope of protection

- Receiving Offices required to forward search and classification information from priority applications (Rules 12*bis*, 23*bis* & 41)
  - Intended to improve work-sharing
  - Some exceptions

Future Developments

- Further improvements to electronic filing and processing
  - Don’t use fax!
  - Better integrated payment systems
  - Integration with patent management systems
  - Color drawings
  - Full text applications
- Continued efforts towards quality of international search
- IP5 collaborative search and examination
- Fee reductions for universities?

More Information

www.wipo.int/pct/en

- Applicant's Guide
- Monthly Newsletter
- Videos
- Distance learning course
- Webinars
- Seminar calendar

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The Madrid System
Introduction and Future Developments

Mr. Matthew Forno, Senior Counsellor,
Madrid Information and Promotion Division,
Madrid Registry, Brands and Designs Sector
(BDS), WIPO

Newcastle, 26 April 2018

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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

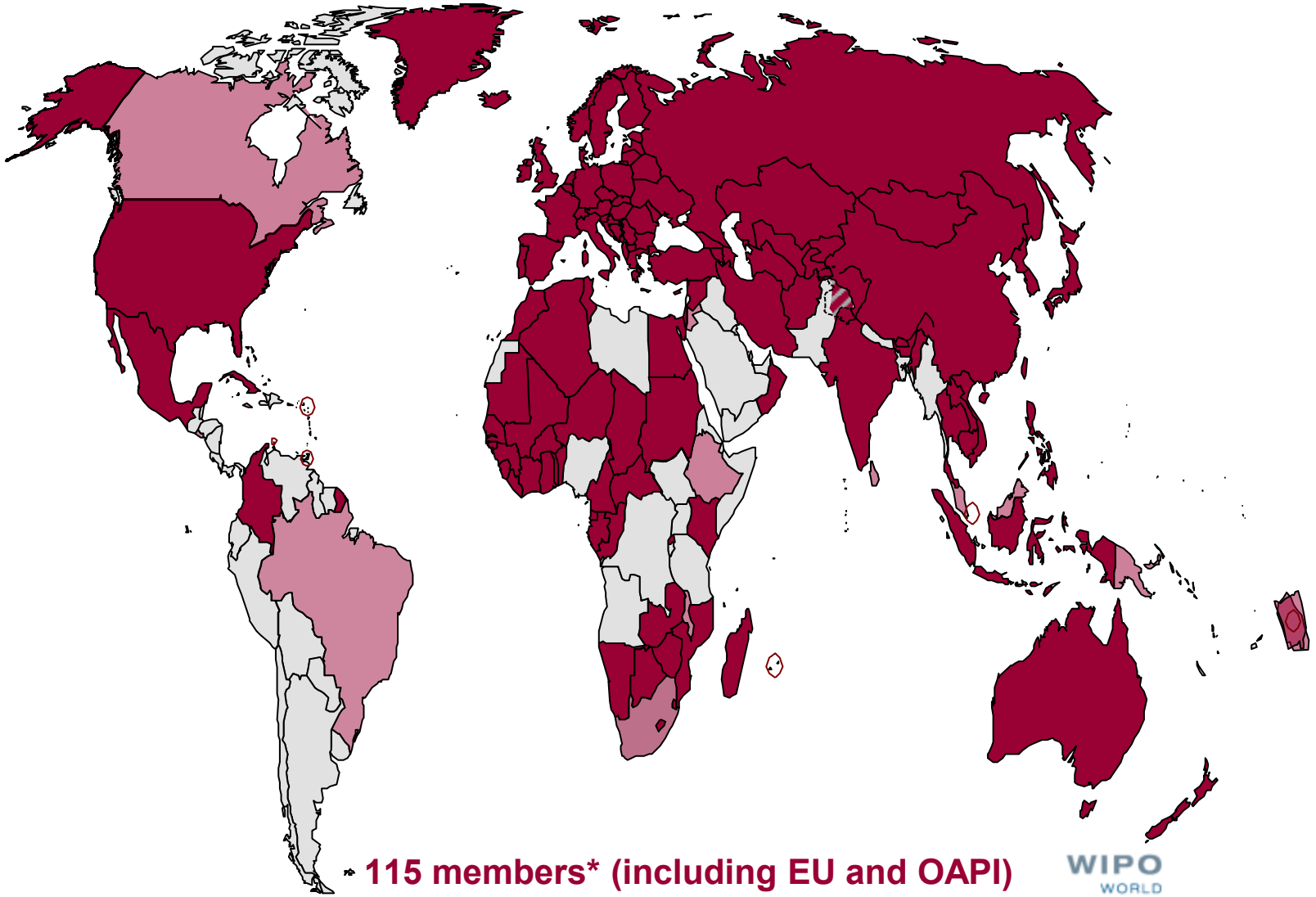
- File an international application, which is the equivalent of a bundle of national applications, effectively saving time and money

- Avoid paying for translations into multiple languages or working through the administrative procedures of multiple IP Offices

The Madrid System is Global

- Currently: 117 countries covered by the 101 members
- Markets that represent more than 80% of world trade
- Recent accessions include:
  - 2014: OAPI and Zimbabwe
  - 2015: Algeria, Cambodia, The Gambia and Lao People's Democratic Republic
  - 2016: Brunei Darussalam
  - 2017: Thailand, Indonesia
  - 2018: Islamic Republic of Afghanistan

Accession Outlook 2018/19



115 members* (including EU and OAPI)
covering 131 countries

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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

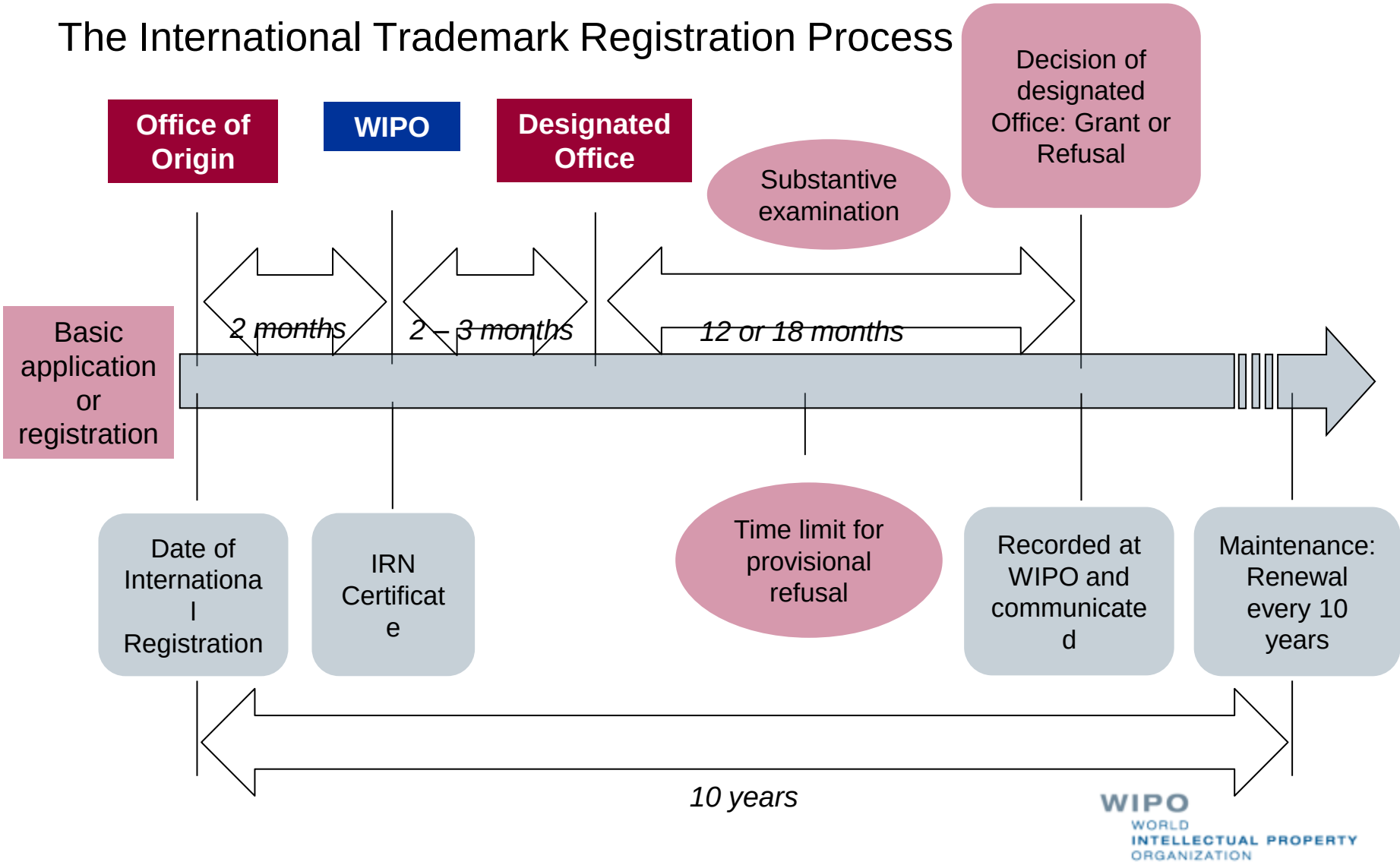
- WIPO conducts a **formalities examination**
- Once requirements have been met, the mark is **recorded in the International Register**
- WIPO sends a **certificate of international registration** to the holder and notifies the IP Offices, of the **designated Contracting Parties (dCP)**, in which protection 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 dCP)

- 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 dCPs

Timeline


The International Trademark Registration Process
Office of Origin
WIPO
Designated Office
Decision of designated Office: Grant or Refusal
Substantive examination
Basic application or registration
2 months
2 – 3 months
12 or 18 months
Date of International Registration
IRN Certificate
Time limit for provisional refusal
Recorded at WIPO and communicated
Maintenance: Renewal every 10 years
10 years

Costs

Fees are payable to WIPO in Swiss francs

- Basic fee*
  - 653 Swiss francs – b/w reproduction of mark
  - 903 Swiss francs – color reproduction of mark
- Fees for designated 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

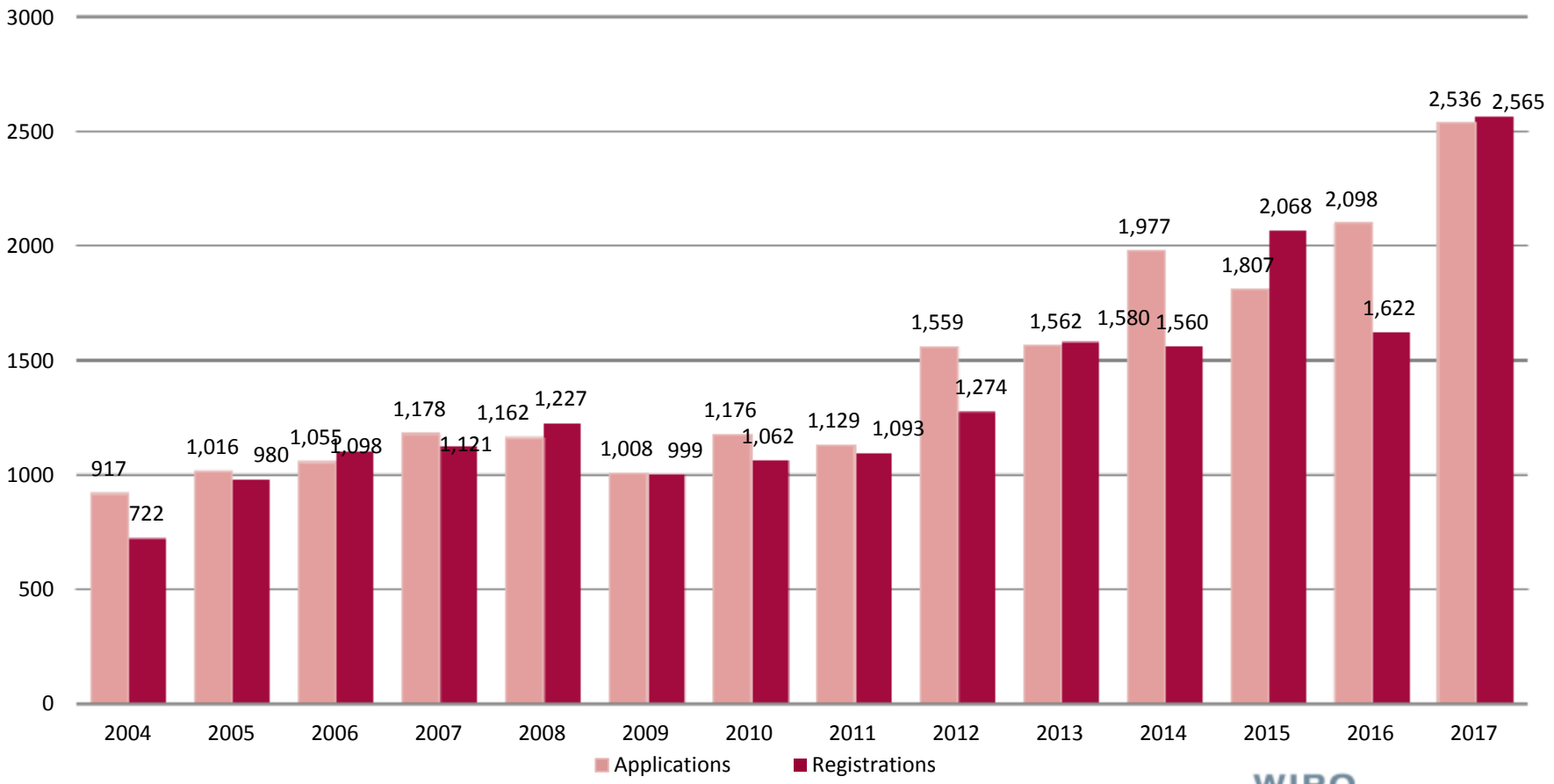
General Profile

International Registrations

Average Number of Designations	6.7
Average Number of Classes	2.47
Average Fee	CHF 2,968
All Fees	70% < CHF 3,000

International Applications and Registrations: United Kingdom

International Applications and Registrations by Office of Origin: UK



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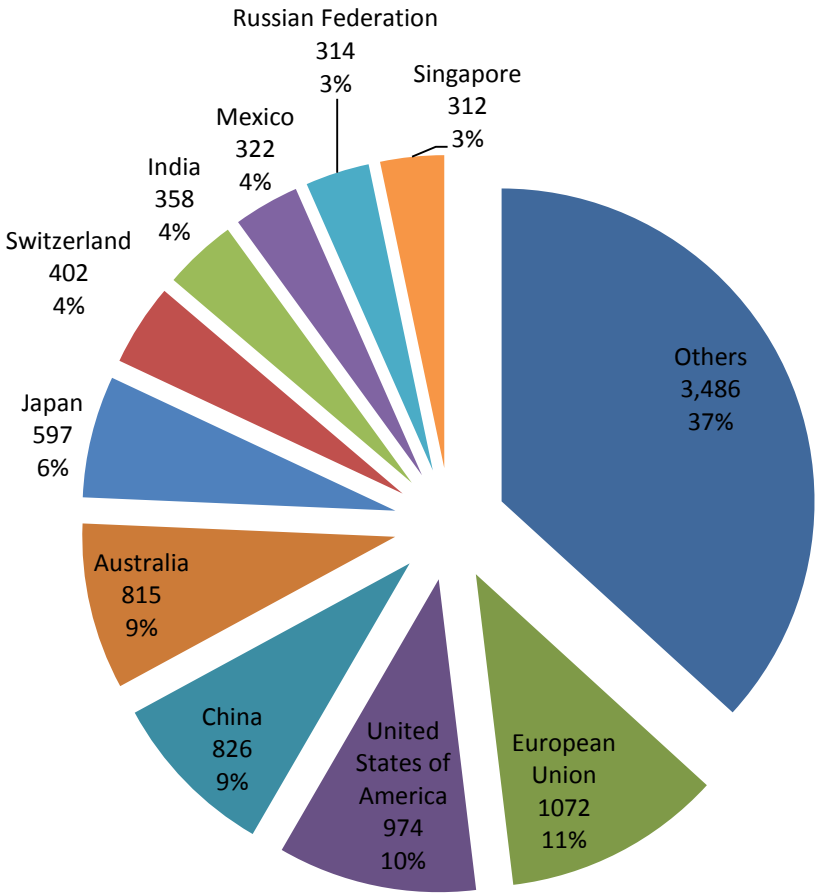
Top Designated Contracting Parties: UK Holders



Designations in international registrations & subsequent designations by DCPs, Country of Holder: United Kingdom (2016)

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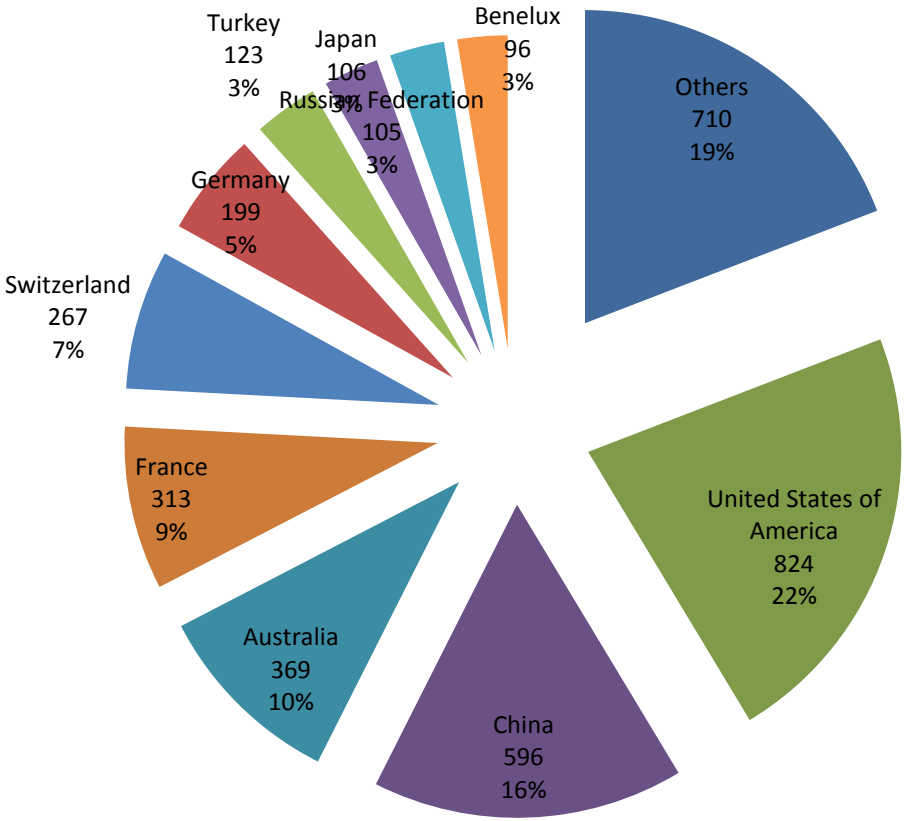
Designations of United Kingdom by Country of Holder



Designations of United Kingdom in international registrations & subsequent designations by Country of Holder (2016)

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Website and E-Services

- The Madrid Website provides information on how to search before filing, file an application, monitor and manage registrations, and how to pay fees.
- Madrid E-Services are available to assist users at each stage of their mark's lifecycle.

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E-Services

Global Brand Database

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

Madrid Goods & Services Manager

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

Member Profiles Database

Fee Calculator

Madrid Monitor

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

Madrid Portfolio Manager

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

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Recent Developments

- Accession of Islamic Republic of Afghanistan
- Rule Changes in the Common Regulations
- Classification Guidelines
- WIPO Current Account
- Madrid Monitor – integrates ROMARIN (the WIPO Gazette, Madrid E-Alert and Real-time Status
- Member Profiles Database
- Contact Madrid service (online form) – *Nov.1, 2017*
- Madrid System webinars

Classification Guidelines

- Purpose – to decrease irregularities
- Describes WIPO classification practices
- 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 users 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

NEW – Contact Madrid

Single point of contact

Standardized input data

Mandatory fields
Input fields allow better understanding of needs

Quick & automated distribution to relevant team
Speedy processing of requests

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Keep Updated on the Madrid System

- Visit the Madrid Website www.wipo.int/madrid/en
- Register to free Madrid Webinars
- Subscribe to Madrid Notices, our legal and news updates
- Sign up for Madrid Highlights

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Thank you
for your attention

matthew.forno@wipo.int

The Hague System: Introduction and Future Developments

Ms. Päivi Lähdesmäki
Head, Development and Promotion Section
The Hague Registry
World Intellectual Property Organization (WIPO)

Newcastle, 26 April 2018

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Hague System: A Simple But Timeless Concept

The centralized acquisition and maintenance of industrial design rights by filing a single international application for a single international registration with effect in one or more designated Contracting Parties

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Independent filings vs. Hague Route

Direct/Paris Route

The Hague System

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Main Features of the Hague System

Simplicity

The Hague System enables holders to obtain protection for their designs with a minimum of formality

Cost-effectiveness

Payment of a single set of fees in one currency

Efficiency

Considerable facilitation of the subsequent management of the registration

Flexibility

Right holders have more opportunities in targeting national, regional or global markets

What is the Hague System?

One to many relationships

- File a single international application for a single international registration in which one or more Contracting Parties are designated

"Bundle of rights"

- If no refusal, the resulting international registration has the effect of a grant of protection in each designated Contracting Party

The Hague System is a Procedural Arrangement

Issues such as:

the conditions for protection

the refusal procedure to be applied when deciding whether a design may be protected

the rights which result from protection

are governed by the law of each Contracting Party designated in an international registration

The International Application

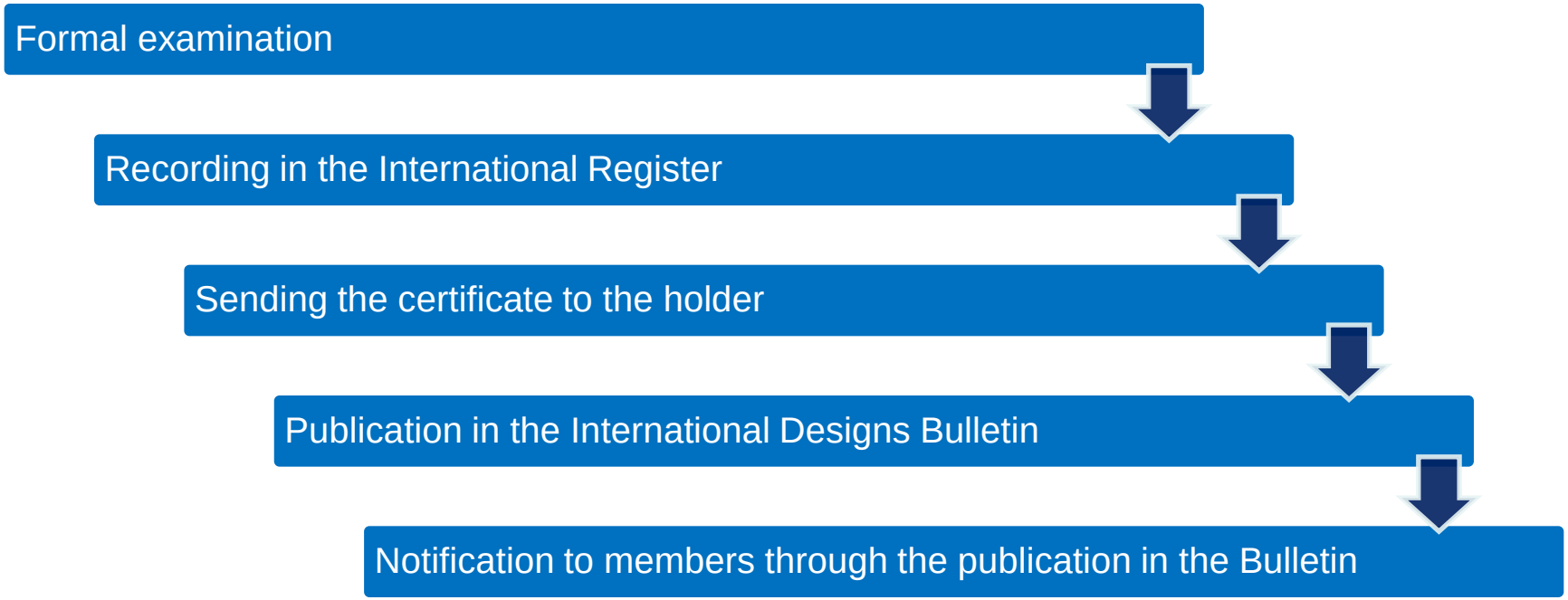
In English, French or Spanish

May be filed directly with the International Bureau through the E-filing interface but also on paper

May comprise several different designs up to a maximum of 100 if they belong to the same class of the International Classification (Locarno)

One set of fees (in CHF) is to be paid

The Hague System Procedure: Role of the International Bureau



If the International Bureau finds that the international application does not fulfill the applicable requirements, it invites the applicant to make the required corrections within three months from the date of invitation sent by the International Bureau.

International registration has the same effect as a regularly-filed application in all designated Contracting Parties.

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The Hague System Procedure (II)

Refusal by a designated Contracting Party		
on same substantive grounds as for national/regional filings	must be communicated within time limit	effect limited to territory of the member that has refused

International registration (where not refused)		
no refusal = same rights as a local design registration	a bundle of independent national/regional rights	advantages of central management

The Hague System Procedure (III)

Duration of protection: five years

Renewable at least twice

Longer renewal period, if allowed by the law of the designated Contracting Party

General Advantages of the Hague System

Hague System (international route)	National/regional route
one Office for filing	many Offices for filing
one language	many languages
one currency	many currencies
one international registration	many registrations
one renewal	many renewals
one modification	many modifications
foreign attorney or agent (first needed if refused)	foreign attorney or agent (first needed at filing)

Going Global – Geographical Scope of the Hague System

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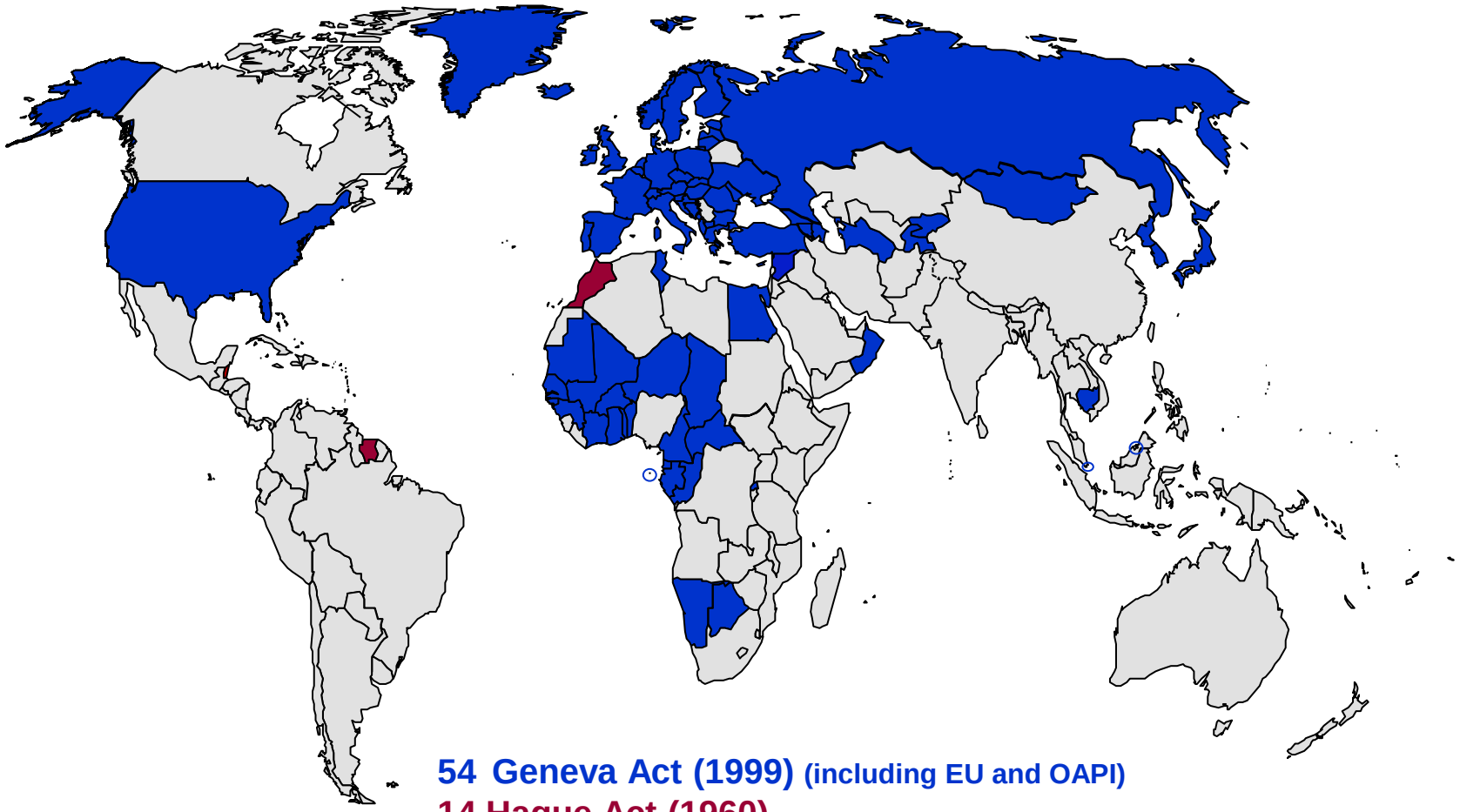
Hague Union



54 Geneva Act (1999) (including EU and OAPI)
14 Hague Act (1960)

68 Contracting Parties

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Hague Union Members According to the Most Recent Applicable Act

Geneva Act (1999)

- African Intellectual Property Organization, Albania, Armenia, Azerbaijan, Bosnia and Herzegovina, Botswana, Brunei Darussalam, Bulgaria, Cambodia, Croatia, D.P.R. of Korea, Denmark, Egypt, Estonia, European Union, Finland, France, Georgia, Germany, Ghana, Hungary, Iceland, Japan, Kyrgyzstan, Latvia, Liechtenstein, Lithuania, Monaco, Mongolia, Montenegro, Namibia, Norway, Oman, Poland, Republic of Korea, Republic of Moldova, Romania, Russian Federation, Rwanda, Sao Tome and Principe, Serbia, Singapore, Slovenia, Spain, Syrian Arab Republic, Switzerland, Tajikistan, the former Y.R. of Macedonia, Tunisia, Turkey, Turkmenistan, Ukraine, United Kingdom* and the United States of America (54)

* The Geneva (1999) Act of the Hague Agreement Concerning the International Registration of Industrial Designs will come into force in respect of the United Kingdom on June 13, 2018.

Hague Act (1960)

- Belgium, Belize, Benin, Côte d'Ivoire, Gabon, Greece, Italy, Luxembourg, Mali, Morocco, Netherlands, Niger, Senegal and Suriname (14)

Geneva Act (1999)

Recent Accessions

- United Kingdom* (March 13, 2018)
- Russian Federation (November 30, 2017)
- The Kingdom of Cambodia (November 25, 2016)
- D.P.R. of Korea (June 13, 2016)
- United States of America (February 13, 2015)
- Japan (February 13, 2015)
- Republic of Korea (March 31, 2014)

Potential Accessions

- China
- Morocco
- ASEAN countries
- Israel
- Canada
- Mexico
- Madagascar
- Belize

* The Geneva (1999) Act of the Hague Agreement Concerning the International Registration of Industrial Designs will come into force in respect of the United Kingdom on June 13, 2018.

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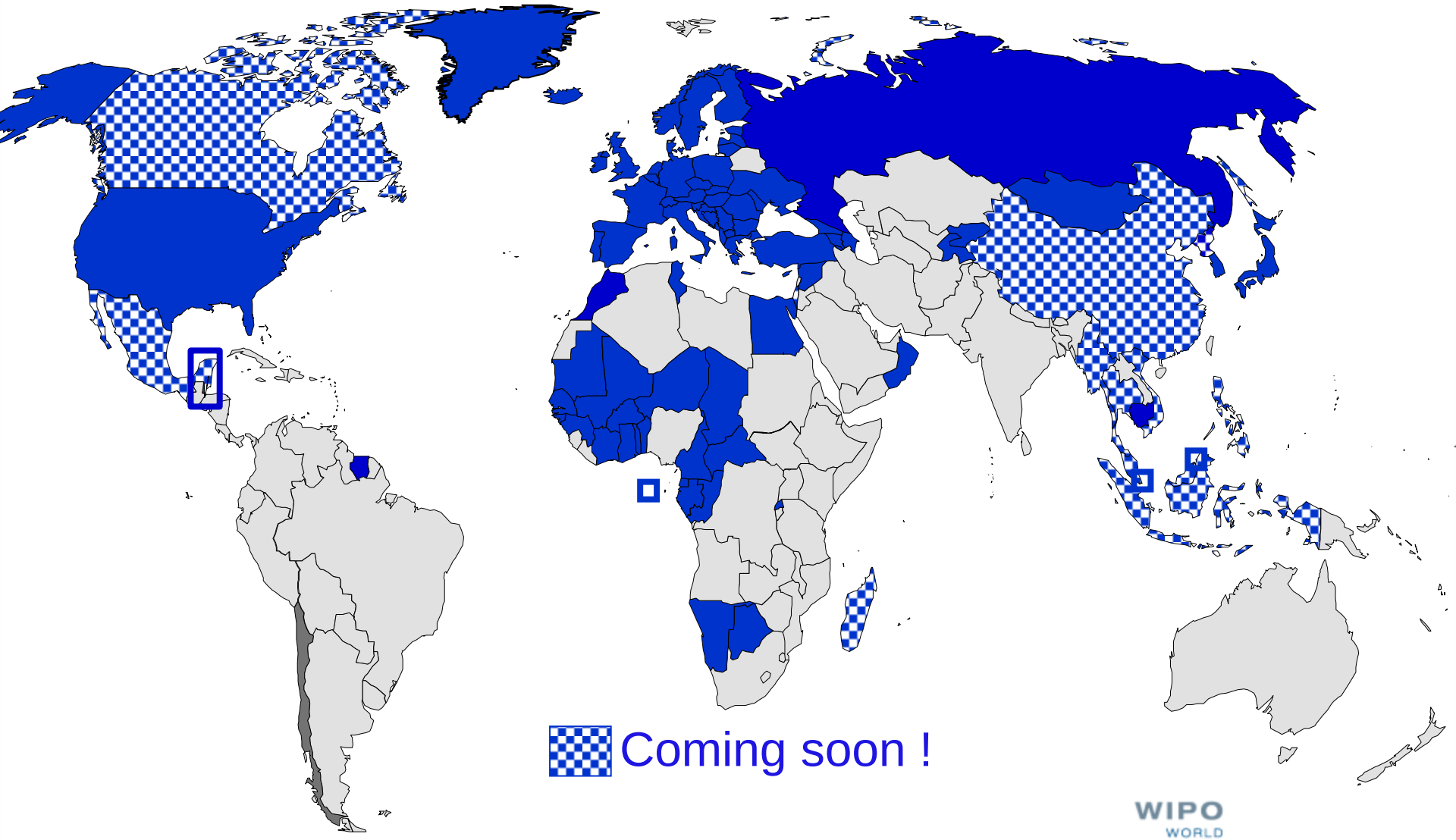
Hague System : Current and Foreseen Coverage



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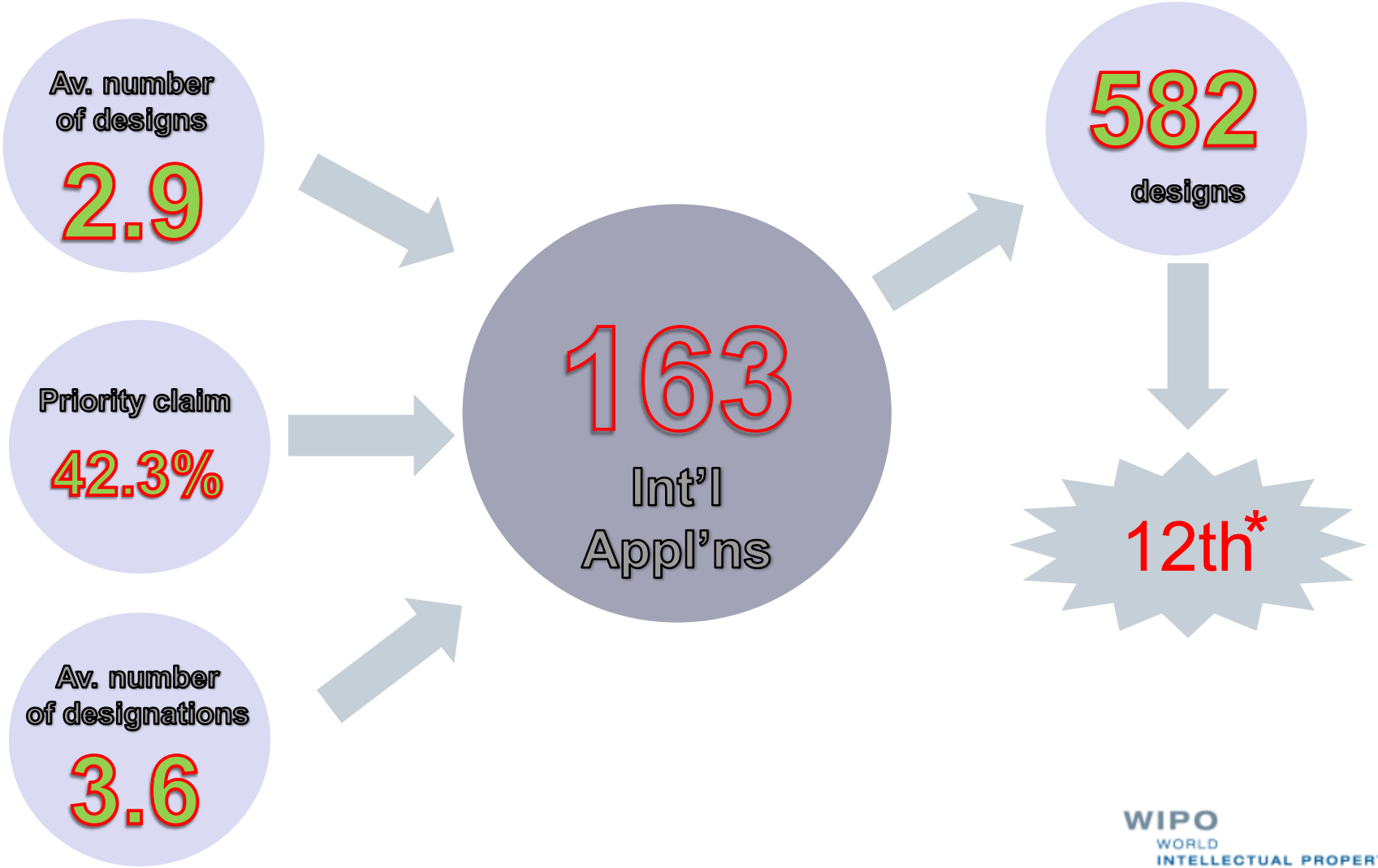
UK Filings in 2017-2018

(Jan.2017-Mar.2018)



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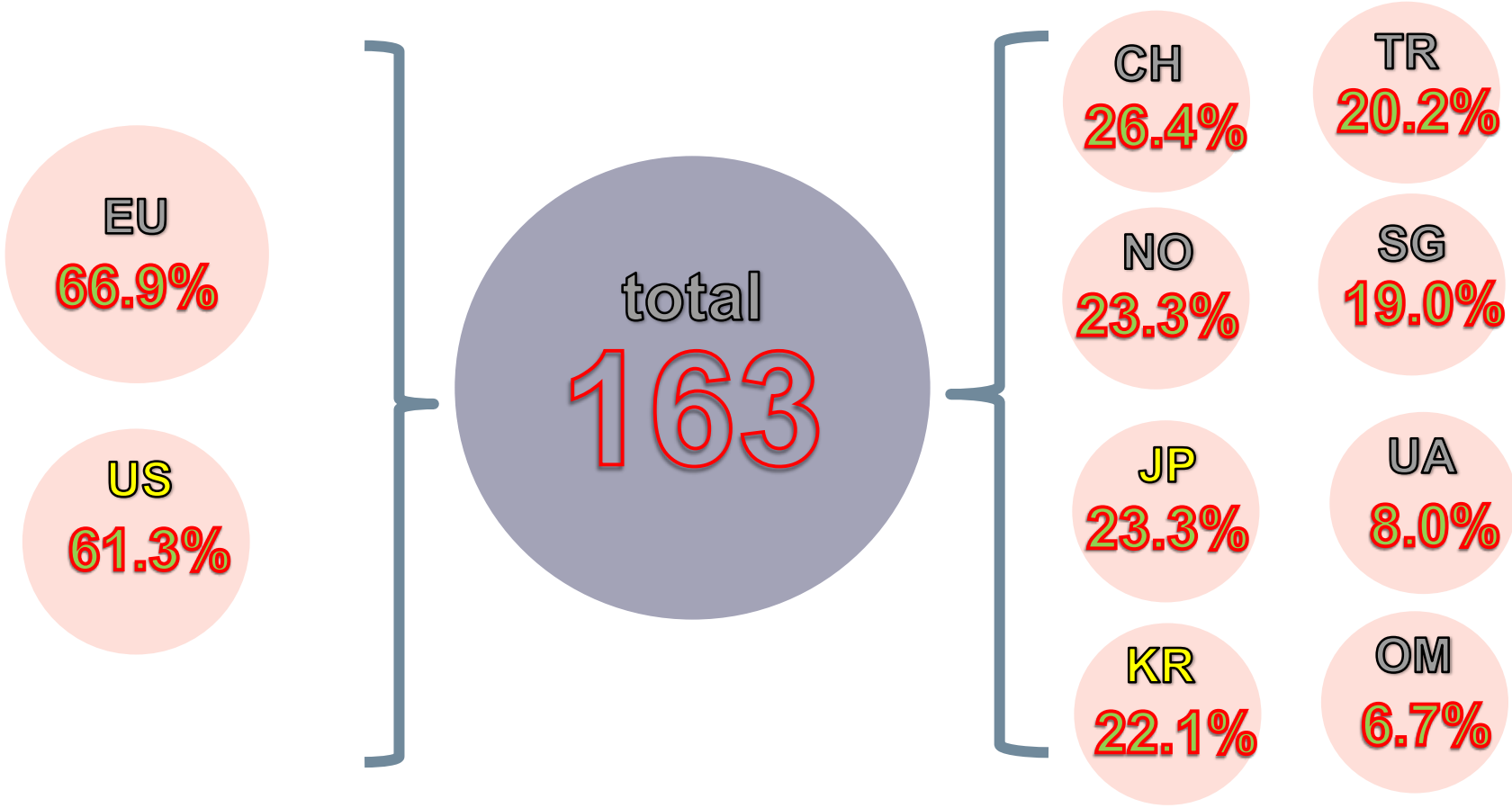
Designations in 2017-2018 UK Filings: Top 10



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UK Filings in Examining Jurisdictions:

How Have They Been Faring?

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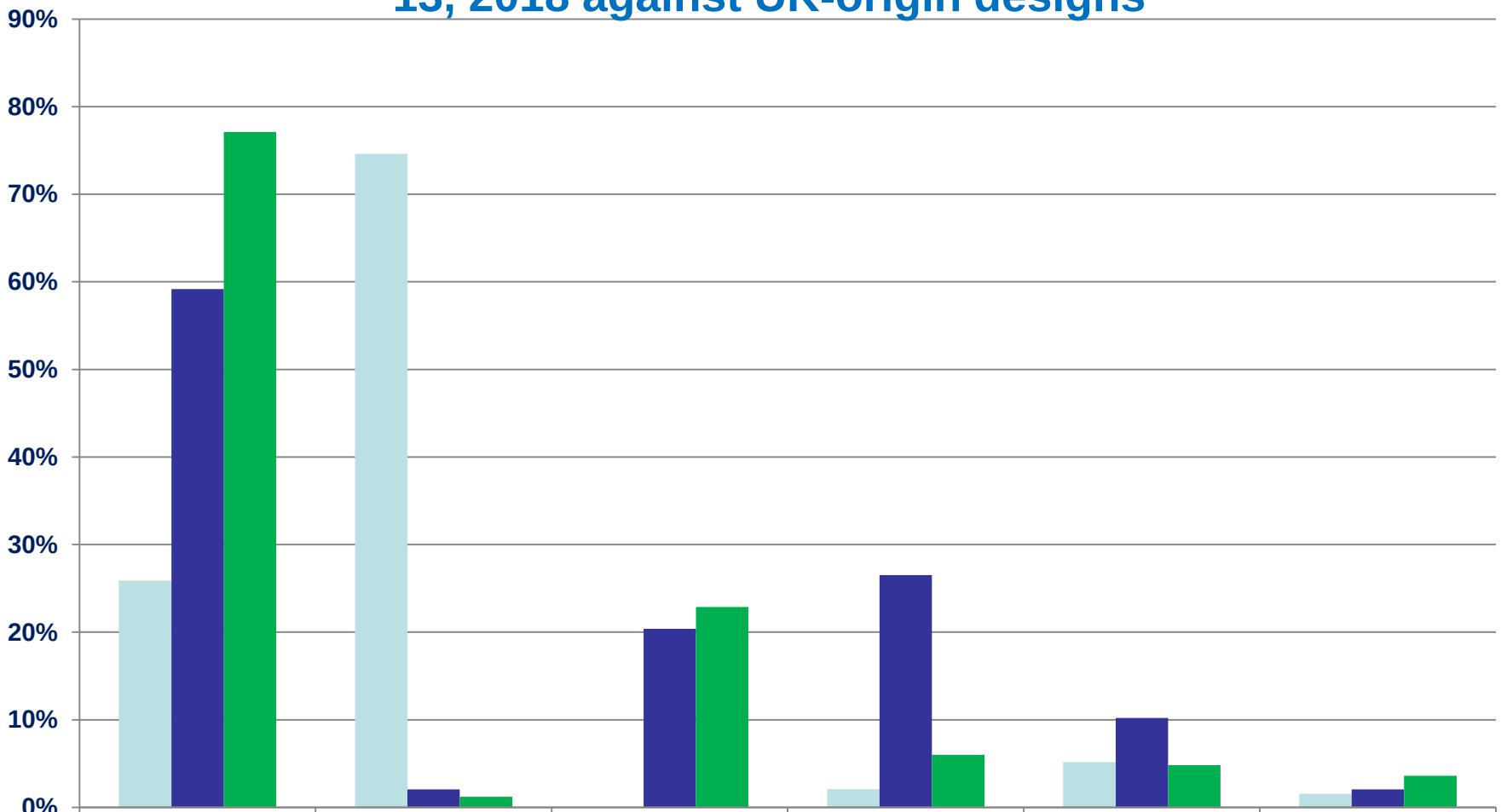
USPTO, JPO & KIPO - Refusal Grounds
Representative sample of refusal recorded up to March 13, 2018 against UK-origin designs



	Insufficient disclosure	Unity of Design	Conflict Appl/Reg	Lack of Novelty	Ambiguous Product Designation	Definition of Design
USPTO	25.90%	74.61%	0.00%	2.07%	5.18%	1.55%
JPO	59.18%	2.04%	20.40%	26.53%	10.20%	2.04%
KIPO	77.10%	1.20%	22.89%	6.02%	4.82%	3.61%

Source: Internal WIPO statistics

WIPO's Reaction to Help Users

- Intelligent **E-filing** system to keep it simple

- Prevention of omission or systemic mistakes
- Prepopulated declarations and claim
- Links to national websites for guidance
  - on prior art issues
  - the applicable level of fees (USPTO)
  - on related design practice (JPO and KIPO)

Guidance on Reproductions

Disclosure criteria may differ depending on jurisdiction. This new Guidance is a useful tool to help applicants forestall possible refusals on the ground of insufficient disclosure of an industrial design by Examining Offices.

Prepared in consultation with Examining Offices under the Hague System and several user organizations

Detailed guidance on how to prepare and provide reproductions to overcome the most common refusal issues

- Not enough views
- Unclear representations of the claimed design
- Unclear relief or contours of surfaces of a three-dimensional product
- Difference in form/color between the representations of the claimed design

Information on which guidance should be taken into account when designating specific Contracting Parties

Not self-sufficient or all inclusive

Guidance on Preparing and Providing Reproductions in Order to Forestall Possible Refusals on the Ground of Insufficient Disclosure of an Industrial Design by Examining Offices available at:
http://www.wipo.int/edocs/hagdocs/en/2016/hague_2016_9.pdf

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Hague Express Database

Hague Express

The Hague Express Database, updated weekly, includes bibliographical data and, as far as international registrations governed exclusively or partly by the 1999 and/or by the 1960 Act(s) of the Hague Agreement are concerned, reproductions of industrial designs relating to international registrations that have been recorded in the International Register and published in the International Designs Bulletin as of issue No. 1/1999. International registrations that have lapsed are not removed from the database.

SEARCH BY Design | Names | Numbers | Dates | Country

Indication of Products = watch

Locarno =

Description =

search

CURRENT SEARCH: PROD:watch

FILTER BY Designation | Locarno Class | Reg. Date | Contracting Party

CH	1,535	MC	1,131	TN	991	MA	963	LI	960
FR	894	DE	890	IT	889	EG	887	BX	851
BE	851	NL	851	LU	851	ES	813	ME	684
MK	683	GR	666	MD	642	MN	634	SG	611
TR	594	UA	591	ID	586	EM	583	KP	556
RS	523	VA	489	SI	462	CW	409	BQ	408
SX	406	GE	380	RO	378	KG	376	BZ	364

Display: List Sort: Count - desc

filter

1 - 10 / 1,627 edit columns 10 per page 1 / 163

Reg. No	Holder	Reg. Date	Locarno Cl	Ind. Prod.	Des.	Designs	Image
DM/046674	HYSEK JÖRG	1999-02-03	03-01	Etui pour montre	AN,EG,ES,ID,MA,TN,V	1	
DM/082429	CARTIER CREATION STUDIO SA	2013-12-13	10-02	1. *Watch*; 2. *Watch* case; 3. *Watch* dial; 4. *Watch*; 5. *Watch* bracelet; 6. *Watch* dial; 7. *Watch* dial	CH,EM,SG,TR	8	
DM/083367	FRANCK MULLER WATCHLAND SA	2014-04-09	10-02	1. Montre-bracelet	EM,MC,SG	1	
DM/065362	SWATCH AG (SWATCH SA) (SWATCH LTD.)	2004-05-12	10-02	1. Montre-bracelet	BQ,CW,EG,ID,SX,TN,	1	
DM/073485	BÉDAT & CO SA	2010-03-26	10-02	*Watch*	BX,KP,CH,EM,LI,OA,S	1	
DM/073351	HUBLOT SA, GENÈVE	2010-03-18	10-02	*Watch*	CH,EM,SG	1	
DM/073317	OMEGA SA (OMEGA AG) (OMEGA LTD.)	2010-02-12	10-02	*Watch*	BZ,MA,MC,ME,AL,AM,	1	
DM/072570	ALEXIS BARTHELAY (SOCIÉTÉ ANONYME)	2009-10-20	10-02	*Watch*	MA,CH,EG,EM,OM,SG	1	

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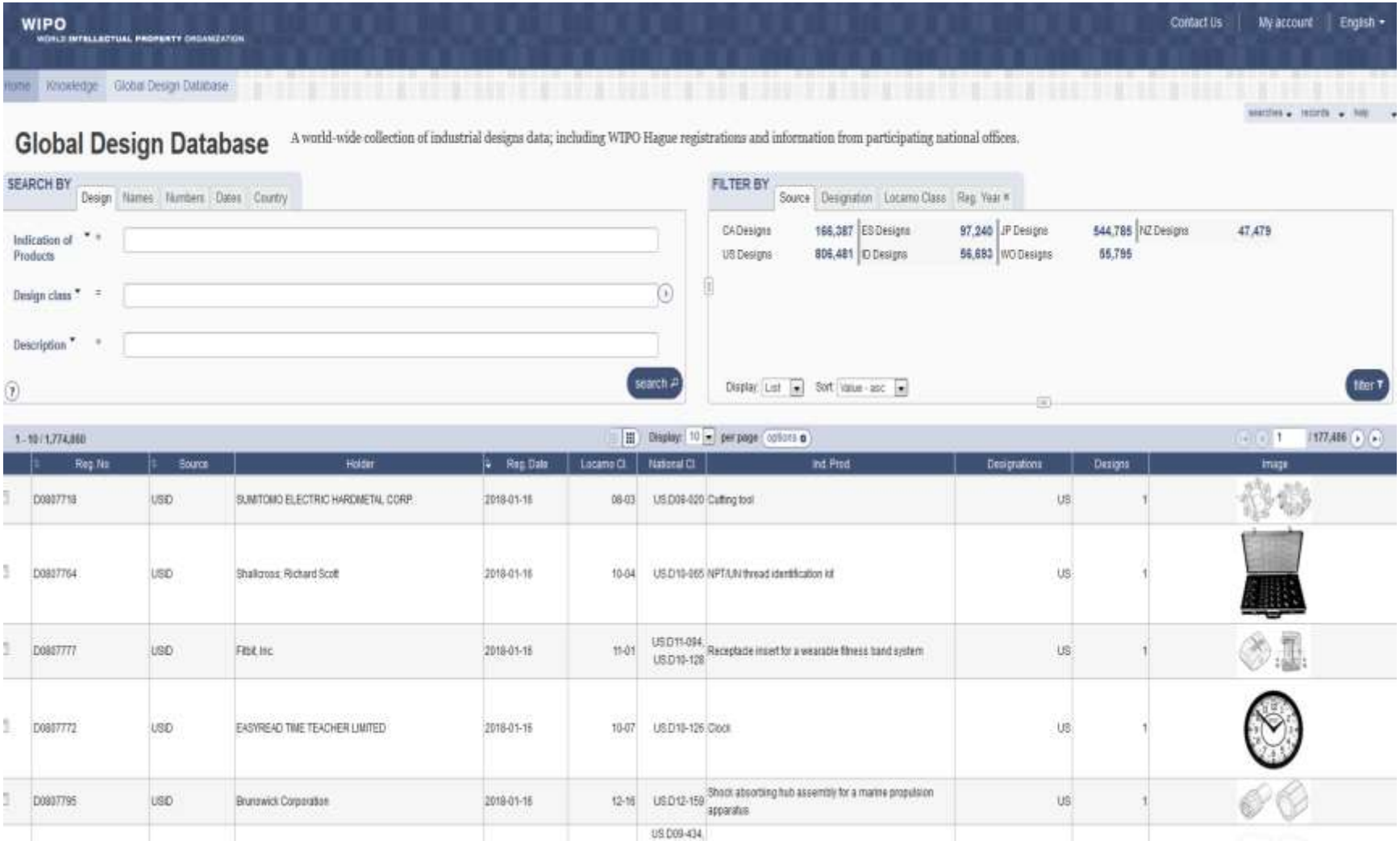
Global Design Database



Reg. No	Source	Holder	Reg. Date	Locarno Cl.	National Cl.	Ind. Prod.	Designations	Designs	Image
D0837719	USD	SUMITOMO ELECTRIC HARDMETAL CORP.	2018-01-16	08-03	US D08-020	Cutting tool	US	1	
D0837764	USD	Shallcross, Richard Scott	2018-01-16	10-04	US D10-065	NPT/UN thread identification kit	US	1	
D0837777	USD	Fitbit, Inc.	2018-01-16	11-01	US D11-094, US D10-128	Receptacle insert for a wearable fitness band system	US	1	
D0837772	USD	EASYREAD TIME TEACHER LIMITED	2018-01-16	10-07	US D10-126	Clock	US	1	
D0837795	USD	Brunswick Corporation	2018-01-16	12-16	US D12-159, US D09-434	Shock absorbing hub assembly for a marine propulsion apparatus	US	1	

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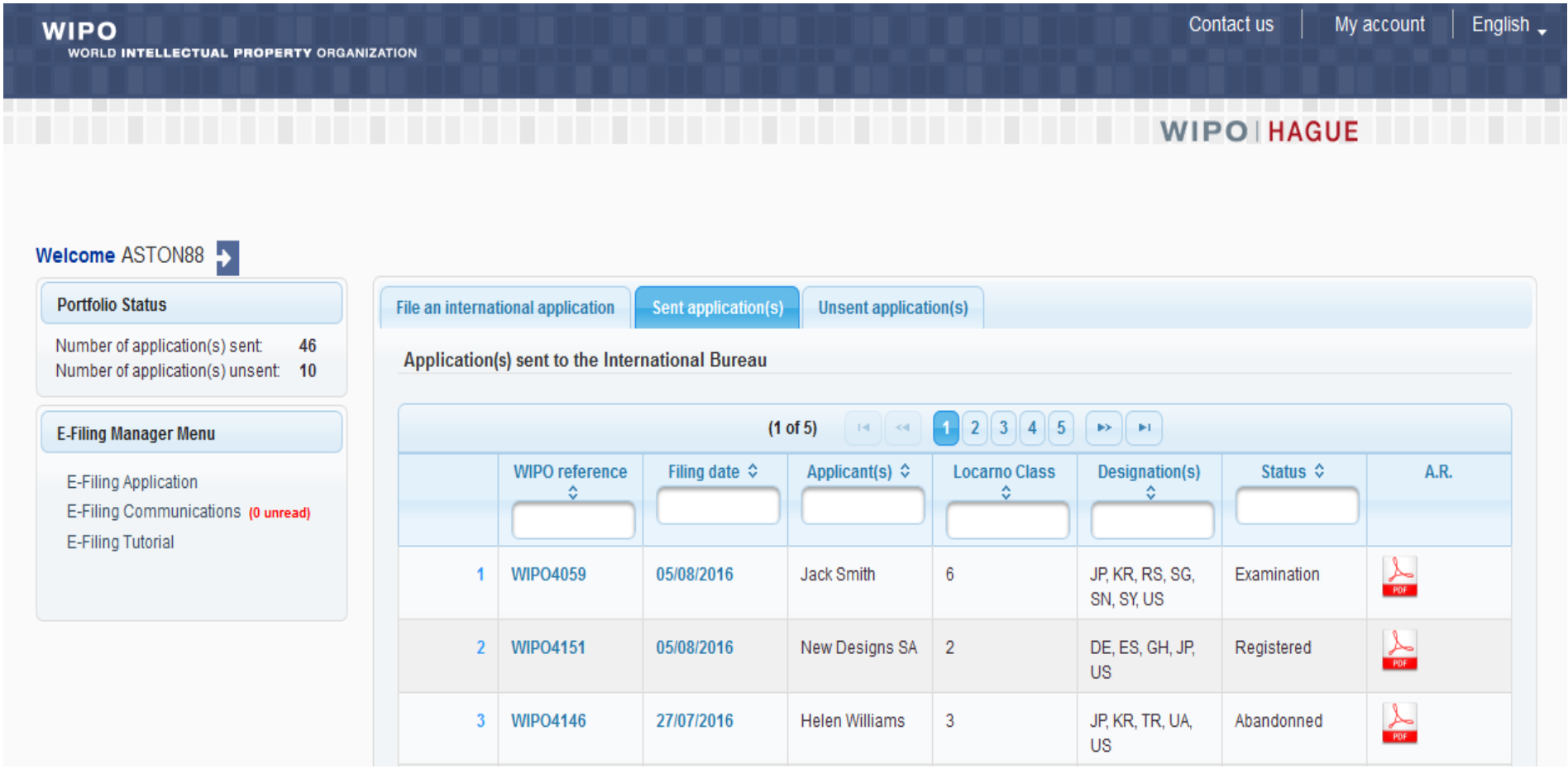
E-Filing Portfolio Manager



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Improvement of the E-Filing Interface

Receive and download notifications from the IB relating to international applications

Send corrections to irregularities or defects

Retrieve in real-time current status of IA

Indication of access code obtained from the IP office of first filing, so that the IP office of the designated Contracting Party is able to access the priority document via the WIPO Digital Access Service (DAS).

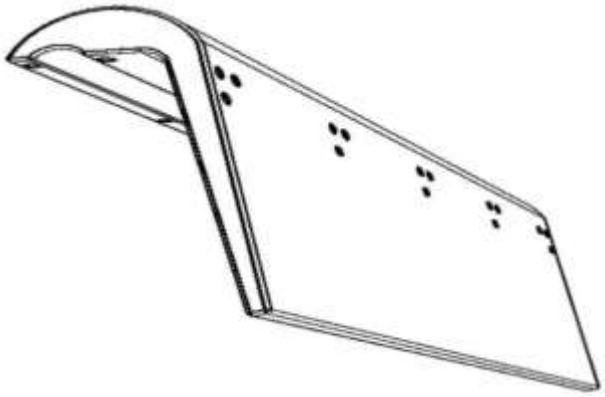
New Hague Information Tools

- New functionalities available at www.wipo.int/hague

  - **Contact Hague Form**
    1. Single point of contact for users;
    2. History

  - **Hague Member Profiles Database**
    1. Compilation of data;
    2. Search tool

Success Stories from the UK



DM/92589 DM/92567 DM/95951
DM/92108 DM/96359 DM/91433

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Thank You!

www.wipo.int/hague/en

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Annex: Some Statistics

International Registrations - 2017

5,041international registrations were inscribed containing 19,241 designs

3.66% decrease compared to the respective period in 2016 in the number of registrations

9.3% increase compared to the respective period in 2016 in the number of designs

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International Applications - 2017

5,213 international applications were received containing 19,429 designs (max. 100 designs / application)

6.27 % decrease compared to the respective period in 2016 in the number of applications

3.8% growth compared to the respective period in 2016 in the number of designs

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2017 - Five Most Popular Classes in International Registrations

Class 14

Recording, communication or information retrieval equipment

579 registrations (11.5%)

Class 12

Means of transport or hoisting

451 registrations (9.0%)

Class 6

Furnishing

368 registrations (7.3%)

Class 10

Clocks and watches and other measuring instruments, checking and signaling instruments

363 registrations (7.2%)

Class 26

Lighting apparatus

326 registrations (6.5%)

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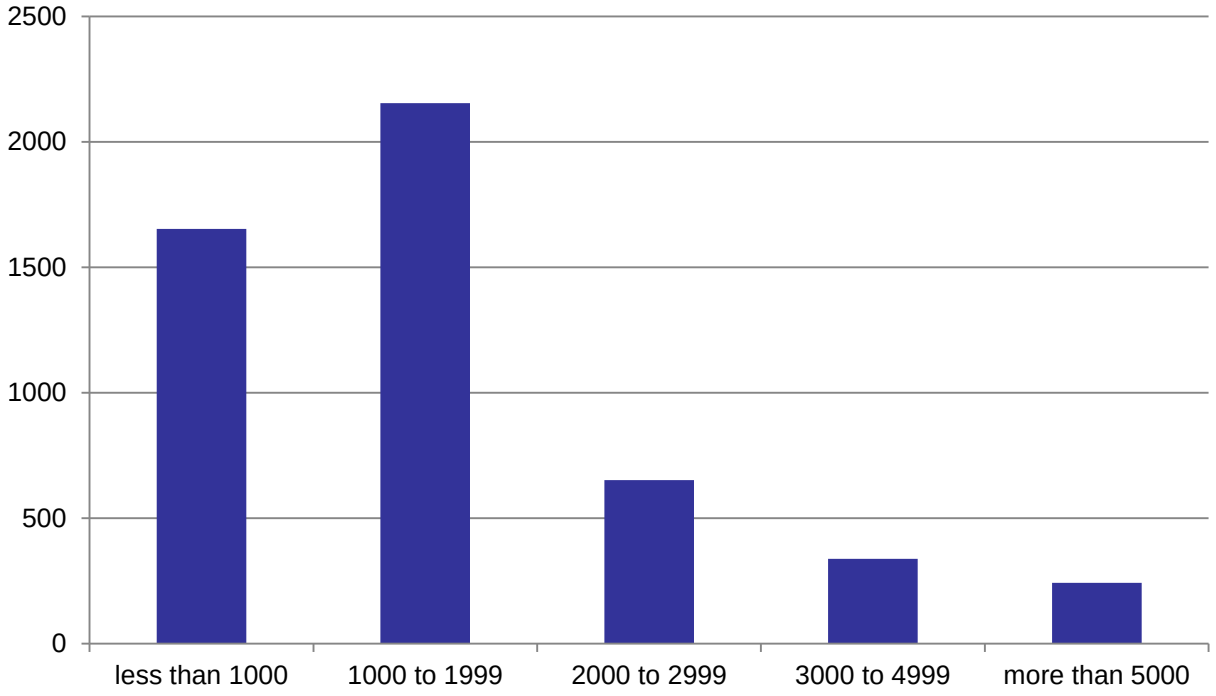
Amount of Fees Paid per International Registration (2017)



IR	1653	2154	652	339	243
%	33.8%	42.7%	12.9%	6.7%	4.8%

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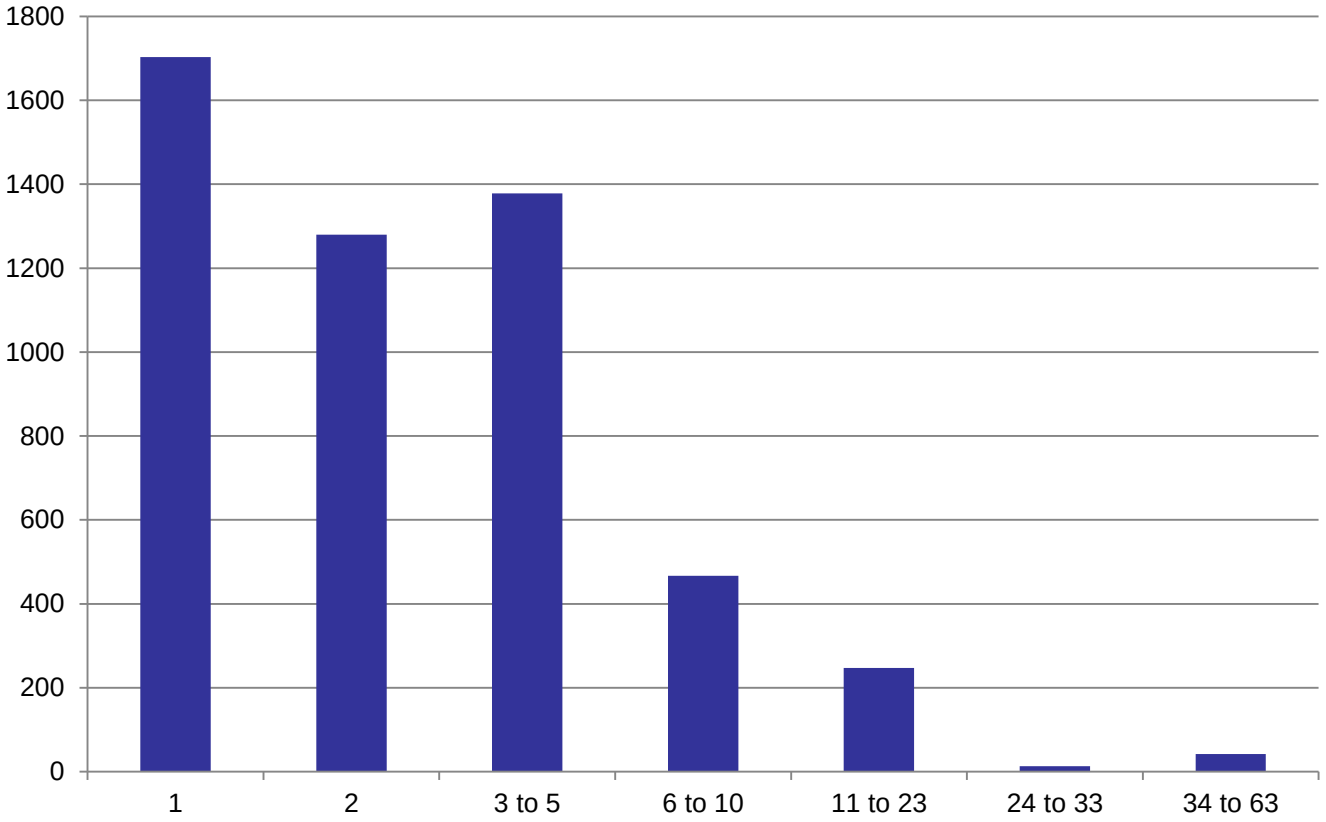
Designations in International Registrations (2017)



	1	2	3 to 5	6 to 10	11 to 23	24 to 33	34 to 63
IR	1703	1280	1378	467	247	13	42
%	32.3%	25.0%	26.9%	9.1%	4.8%	0.3%	0.8%

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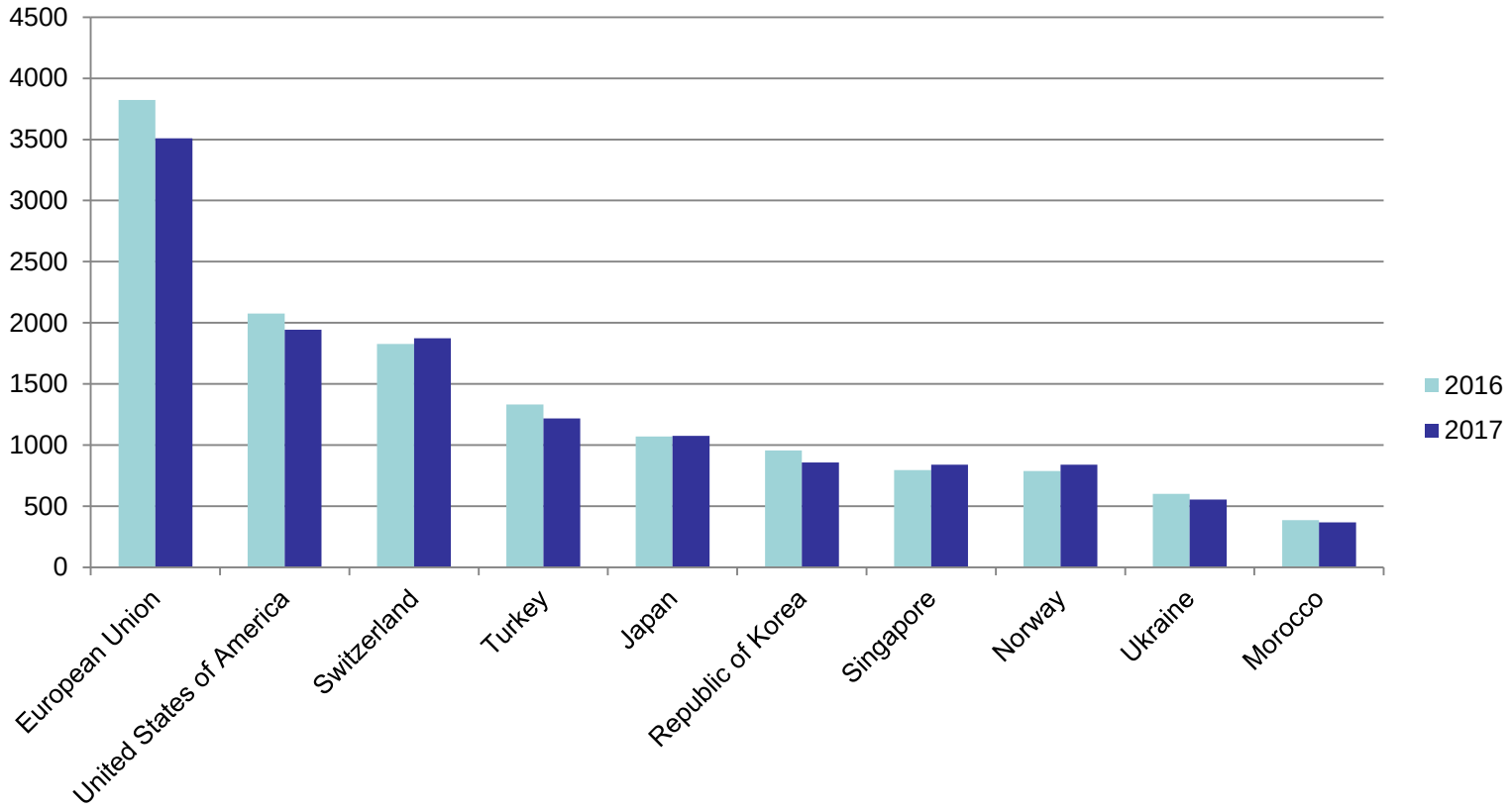
Most Designated Contracting Parties in 2017 (international registrations)



* Since the effective accession (May 13, 2015)

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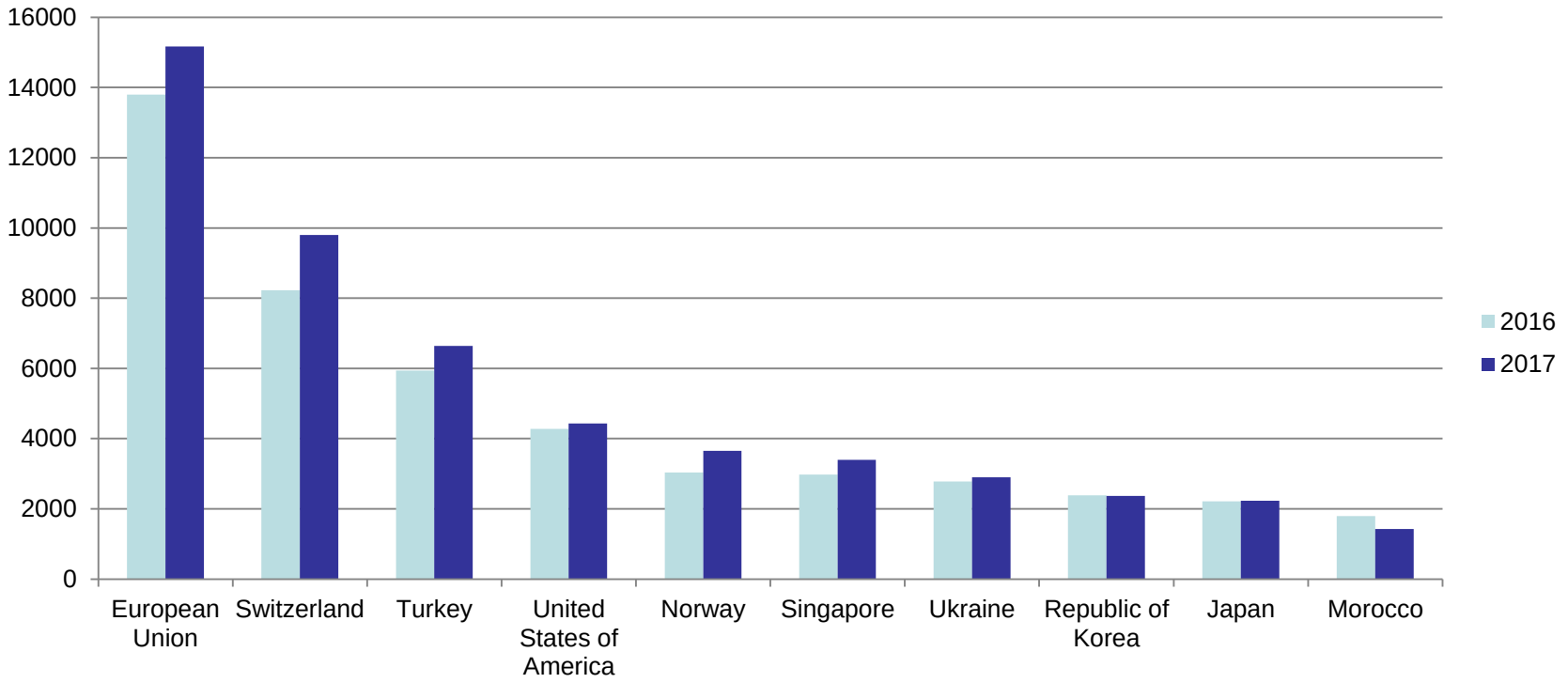
Most designated Contracting Parties in 2017 (number of designs recorded)



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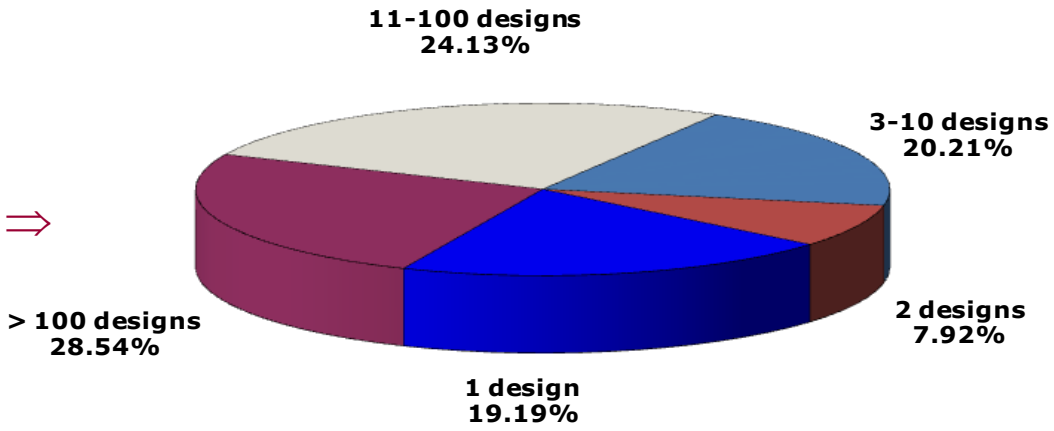
International Registrations in Force in the International Register (on December 31, 2017)

Industrial Designs

Right-holders (9,805) ⇒

Industrial designs by right-holder	Number of right-holders	
1 design	6558	67.19%
2 designs	1360	13.87%
3-10 designs	1498	15.28%
11-100 designs	328	3.35%
> 100 designs	31	0.32%
All	9805	100.00%

Registrations in force (34,324) ⇒



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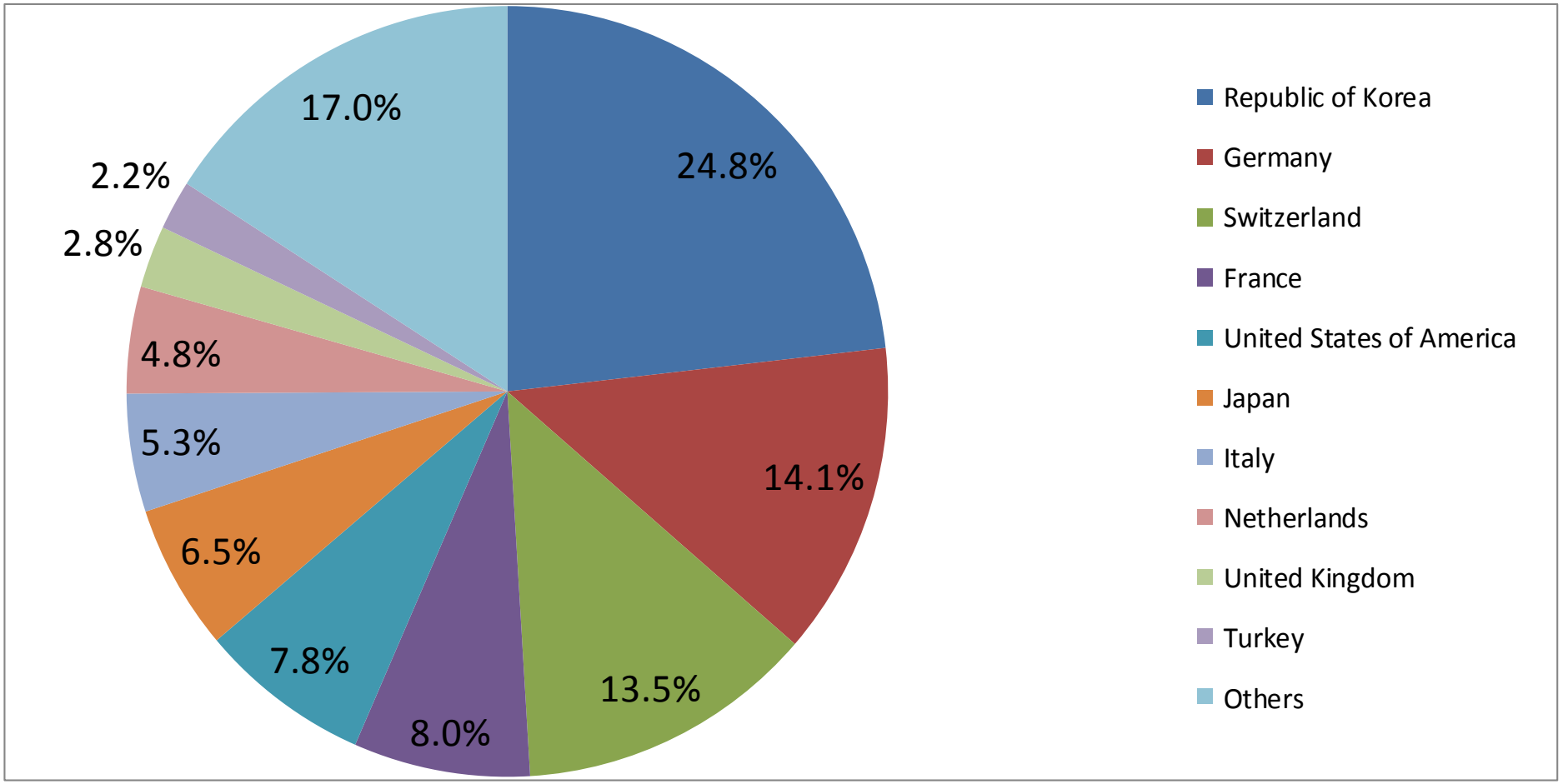
Origin of Filers of International Applications
(by Country of Address of the Applicant) - 2017



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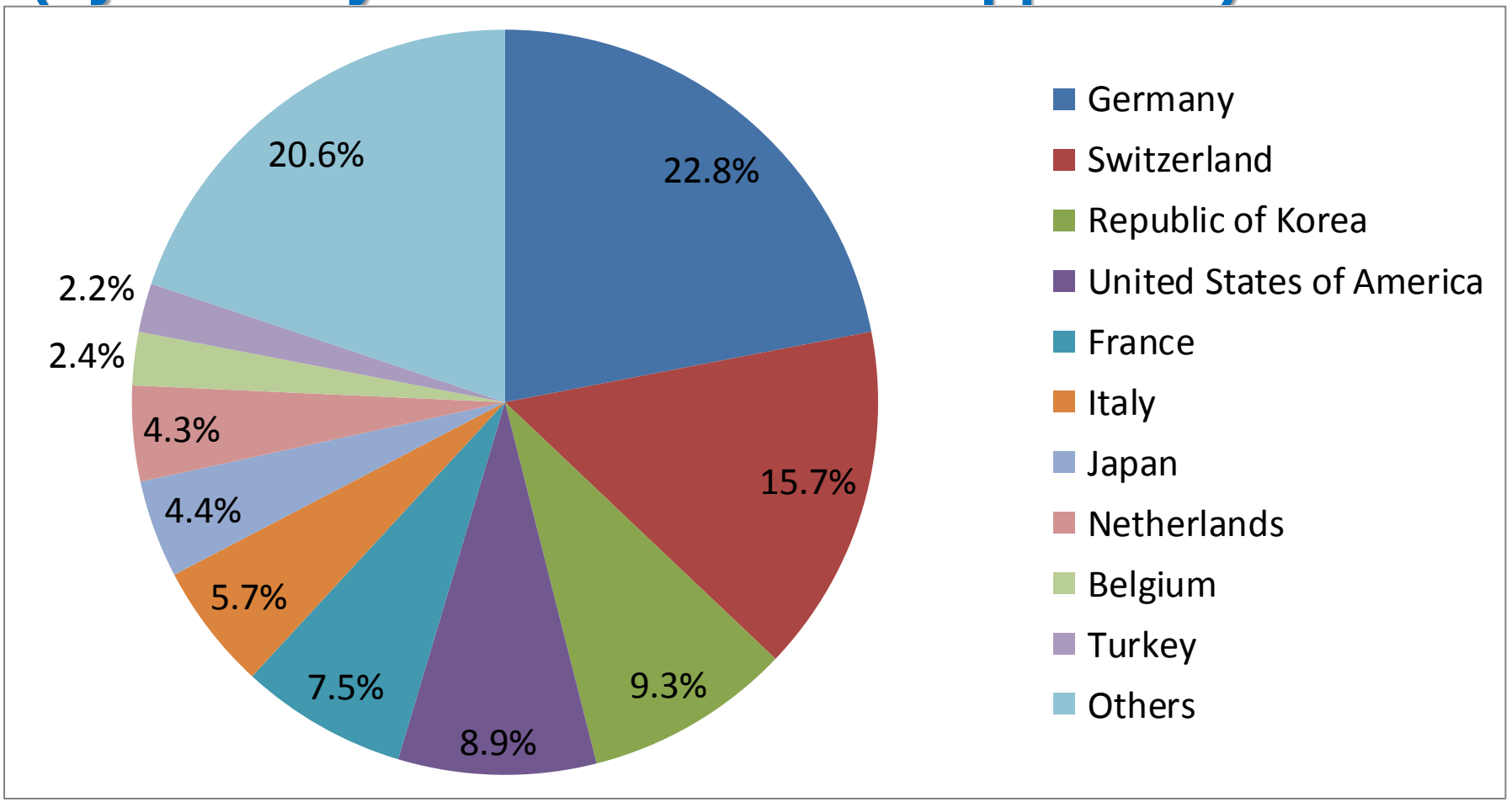
Origin of Filers per Designs in International Applications (by Country of Address of the Applicant) - 2017



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Panel Discussion: Protecting Designs Internationally – Challenges and Successful Experiences

Ms. Päivi Lähdesmäki
Head, Development and Promotion Section
The Hague Registry
World Intellectual Property Organization (WIPO)

London, April 30 2018

ISSUE COMMON TO ALL EXAMINING JURISDICTIONS :

HOW TO ACHIEVE APPROPRIATE DISCLOSURE?

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http://www.wipo.int/hague/en/ Hague – The International ...

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Home › IP Services › Hague System

WIPO | HAGUE

Hague – The International Design System

The Hague System for the International Registration of Industrial Designs provides a practical business solution for registering up to 100 designs in over 66 territories through filing one single international application.

Read the case study. (Photo: Jeff Harris/Artmix; RoundTAIL)

Learn more:

- What is an industrial design?
- Main features and advantages
- Geographical coverage and legal framework
- FAQs

Guidance on Preparing and Providing Reproductions in Order to Forestall Possible Refusals on the Ground of Insufficient Disclosure of an Industrial Design by Examining Offices

News

2017 Hague Yearly Review available

Strong growth in international design applications in 2016

ISSUE COMMON ALL :

PRODUCT INDICATION

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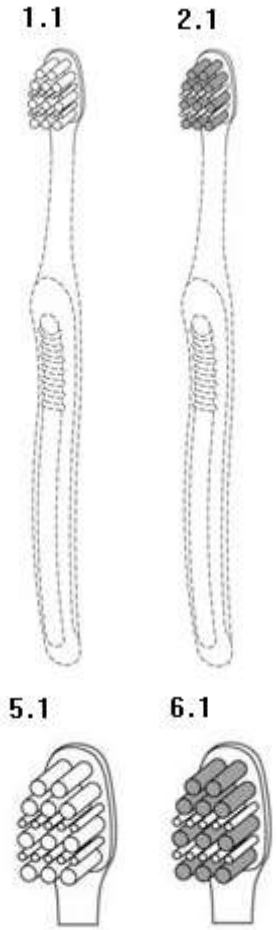
ISSUE SPECIFIC TO THE USA (AND NOW ALSO RUSSIA):

UNITY OF DESIGN

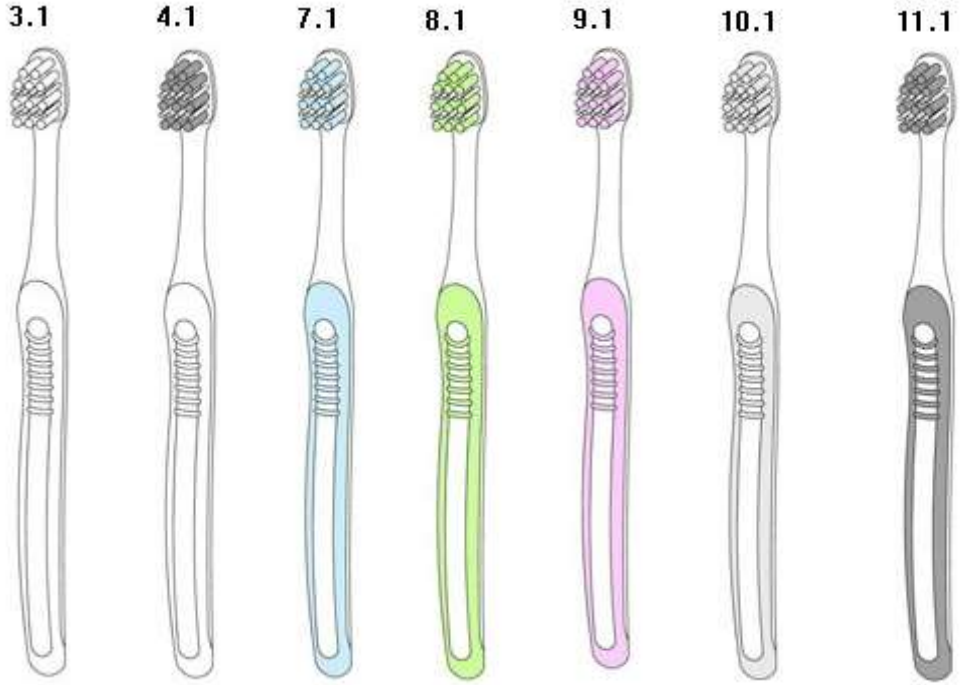
Unity of Design

Indistinct designs or obvious variations:

Group 1:
Designs 1,2,5,6



Group 2: Designs 3, 4, 7-11



Designs grouped together have the same basic design characteristics:

- **similar in overall appearance**
- **similar in visual impression**
- **similar in shape/ configuration**

DM/086900

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ISSUES SPECIFIC TO JAPAN AND THE REPUBLIC OF KOREA:

CONFLICT WITH OTHER APPLICATION AND LACK OF NOVELTY

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Surprise: it's almost never prior art

- What destroys your novelty in KR and JP is *almost* always your own design…
  - when designs are similar they destroy each other'snovelty
- That's easy to avoid!
  - Identify one as the «principal design»
  - Identify the others as «related designs»

Identify the Principal and Related Designs in the dedicated e-filing tab

1.1

2.1

1.1

2.1

…think about it even if the first design was filed in another Hague or domestic application!

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Success Stories:
These cases accepted by all of the US, JP and KR Offices !

DM/92589 DM/95101 DM/89713
DM/92108 DM/89858 DM/89019

MOST REFUSALS CAN BE EASILY OVERCOME…

BUT COULD HAVE BEEN EASILY AVOIDED TOO!

Defending your Rights: Alternative Dispute Resolution (ADR)

Mr. Vazquez Lopez, Head,
Section for Coordination with Developed Countries,
Department for Transition and Developed Countries

Newcastle, 26 April 2018

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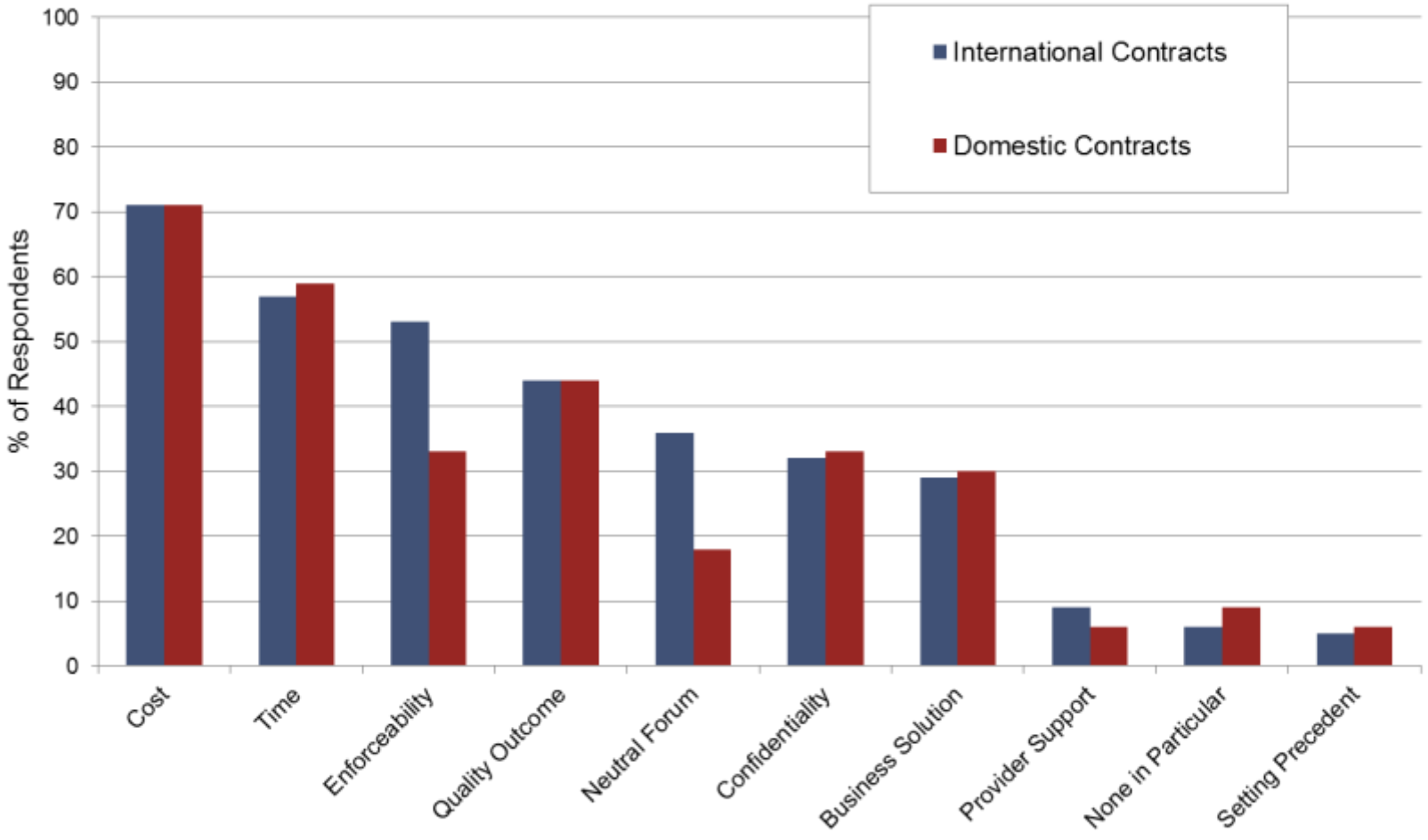
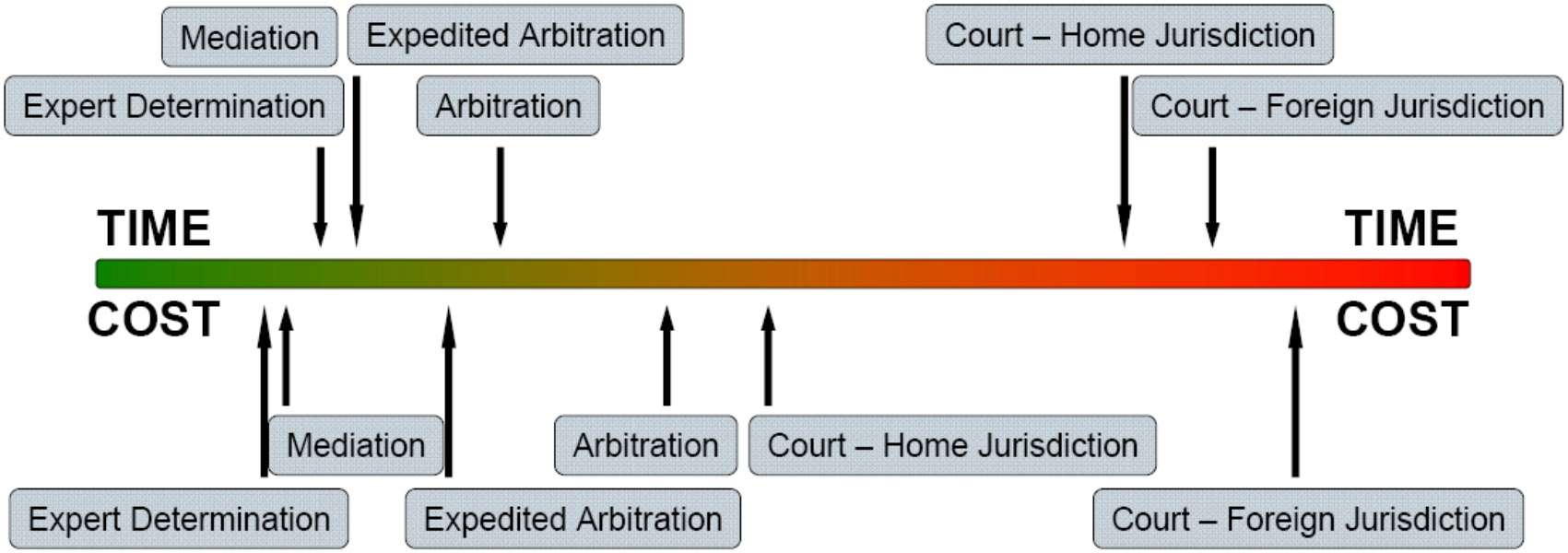
Top Ten Priorities in Choice of Dispute Resolution Clause



Relative Time and Cost of Technology Dispute Resolution



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

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WIPO Arbitration and Mediation Center

- Facilitates the resolution of commercial disputes between private parties involving IP and technology, through procedures other than court litigation (alternative dispute resolution: ADR)
  - Offices in Geneva and Singapore
  - Users around the world
- ADR of IP disputes benefits from a specialized ADR provider
  - WIPO mediators, arbitrators and experts experienced in IP and technology - able to deliver informed results efficiently
- Competitive WIPO fees
- International neutrality
- Services include mediation, (expedited) arbitration, expert determination, and domain name dispute resolution

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WIPO ADR
Mediation, Arbitration, Expert Determination

- ***Mediation***: informal consensual process in which a neutral intermediary, the mediator, assists the parties in reaching a settlement of their dispute, based on the parties' respective interests. The mediator cannot impose a decision. The settlement agreement has force of contract. Mediation leaves open available court or agreed arbitration options.
- ***Arbitration***: consensual procedure in which the parties submit their dispute to one or more chosen arbitrators, for a binding and final decision (award) based on the parties' rights and obligations and enforceable internationally. Arbitration normally forecloses court options.
- ***Expert Determination***: consensual procedure in which the parties submit a specific matter (e.g., technical question) to one or more experts who make a determination on the matter, which can be binding unless the parties have agreed otherwise.

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Why Consider IP ADR?

- Cost of IP court litigation
  - *Calls for cost- efficient solutions*
- Internationalization of creation/use of IP
  - *Calls for cross-border solutions; consolidate in one procedure*
  - *Awards enforceable under the New York Convention*
- Technical and specialized nature of IP
  - *Calls for specific expertise of the neutral*
- Short product and market cycles in IP
  - *Calls for time-efficient procedures*
- Confidential nature of IP
  - *Calls for private procedures*
- Collaborative nature of IP creation and commercialization
  - *Calls for mechanisms that preserve relations*

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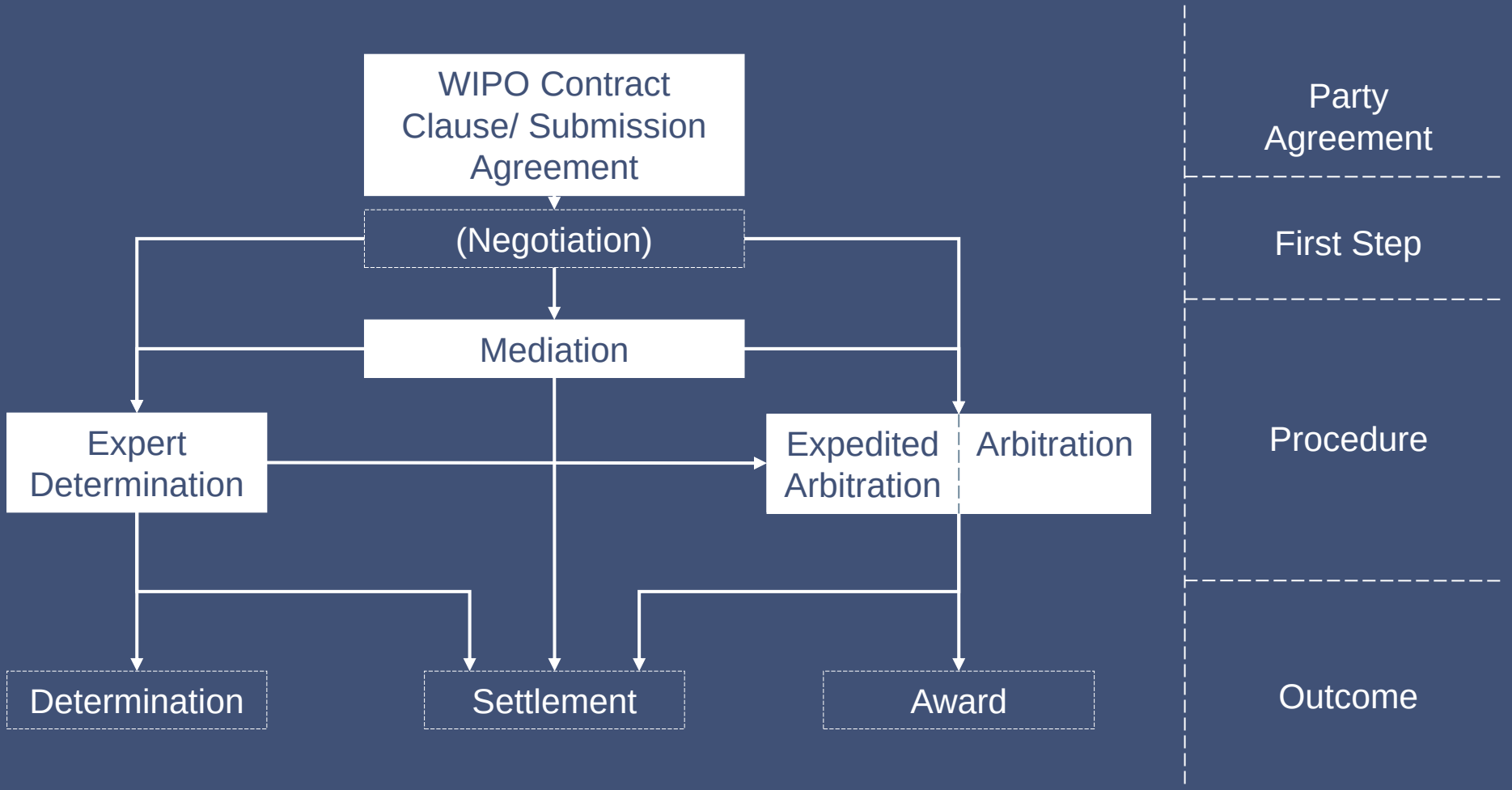
Routes to WIPO ADR

- ADR contract clause electing WIPO Rules
  - WIPO Mediation, and/or
  - WIPO Arbitration / Expedited Arbitration, and/or
  - WIPO Expert Determination
  - Model clauses: www.wipo.int/amc/en/clauses/index.html
    - Parties can shape the process through the clause (e.g., location, language, law)
- ADR submission agreement electing WIPO Rules, e.g., in existing non-contractual disputes
  - Referral by a court or by parties in court litigation
- Unilateral request for WIPO Mediation by one party (Art. 4 WIPO Mediation Rules)

WIPO ADR Options



WIPO | ADR
Arbitration and Mediation Center

WIPO Center Case Role

- Administering cases
  - Under WIPO Rules, or under special procedures
  - Active management: containing time and costs
    - WIPO ECAF (optional online case management)

- Facilitating selection and appointment of mediators, arbitrators, experts
  - WIPO list of 1,500+ neutrals
    - From numerous countries in all regions, including The Netherlands
    - Specialized in different areas of IP and IT

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WIPO Clause Generator

Step 3 – Build your clause: WIPO Mediation followed, in the absence of a settlement, by Arbitration Clause

Mediation

Core Elements

- Place of Mediation
- Language of the Mediation
- Duration of the Mediation Proceedings

Additional Elements

- Qualifications of the Mediator
- Conduct of the Mediation

Arbitration

Core Elements

- Number of Arbitrators
- Place of Arbitration
- Language of Arbitration
- Substantive Law

Additional Elements

- Appointment Procedure
- Qualifications of the Arbitrators
- ECAF
- Evidence
- Time Period of Delivery of the Final Award
- Appeal

The parties should determine where they want the mediation to take place.

○ The place of mediation shall be [specify place] .

Clear Next

Any dispute, controversy or claim arising under, out of or relating to this contract and any subsequent amendments of this contract, including, without limitation, its formation, validity, binding effect, interpretation, performance, breach or termination, as well as non-contractual claims, shall be submitted to mediation in accordance with the WIPO Mediation Rules.

The place of mediation shall be [specify place].

The language to be used in the mediation shall be [specify language].

If, and to the extent that, any such dispute, controversy or claim has not been settled pursuant to the mediation within [specify timeline] days of the commencement of the mediation, it shall, upon the filing of a Request for Arbitration by either party, be referred to and finally determined by arbitration in accordance with the WIPO Arbitration Rules. Alternatively, if, before the expiration of the said period of [specify timeline] days, either party fails to participate or to continue to participate in the mediation, the dispute, controversy or claim shall, upon the filing of a Request for Arbitration by the other party, be referred to and finally determined by arbitration in accordance with the WIPO Arbitration Rules.

The arbitral tribunal shall consist of [a sole arbitrator][three arbitrators].

The place of arbitration shall be [specify place].

The language to be used in the arbitral proceedings shall be [specify language].

The dispute, controversy or claim shall be decided in accordance with the law of [specify jurisdiction].

Step 4 – Download or copy the final result

Download | Copy to clipboard | Print clause

WIPO Mediation, Arbitration and Expert Determination Cases

- Domestic and international disputes (25/75%)
- Case venues around the world
- Amounts in dispute from USD 20,000 to USD 1 billion
- IP/IT disputes and commercial disputes
  - Contractual
  - Non-contractual (infringement of IP rights)

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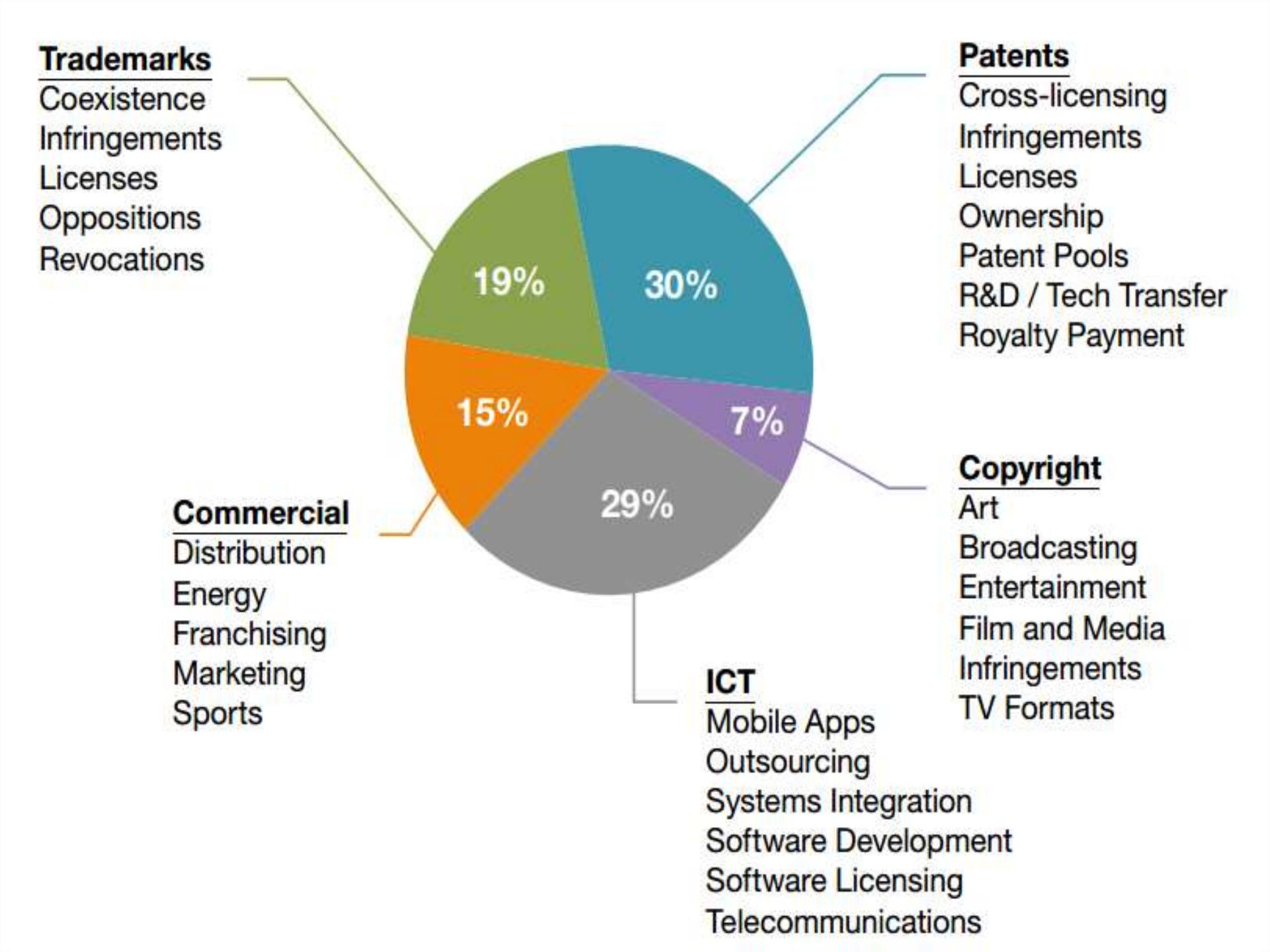
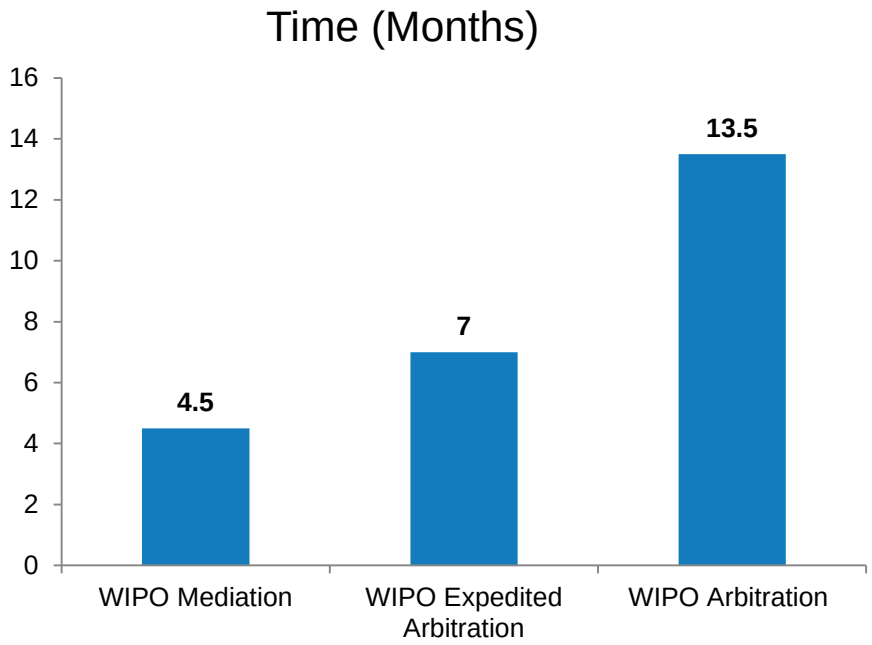
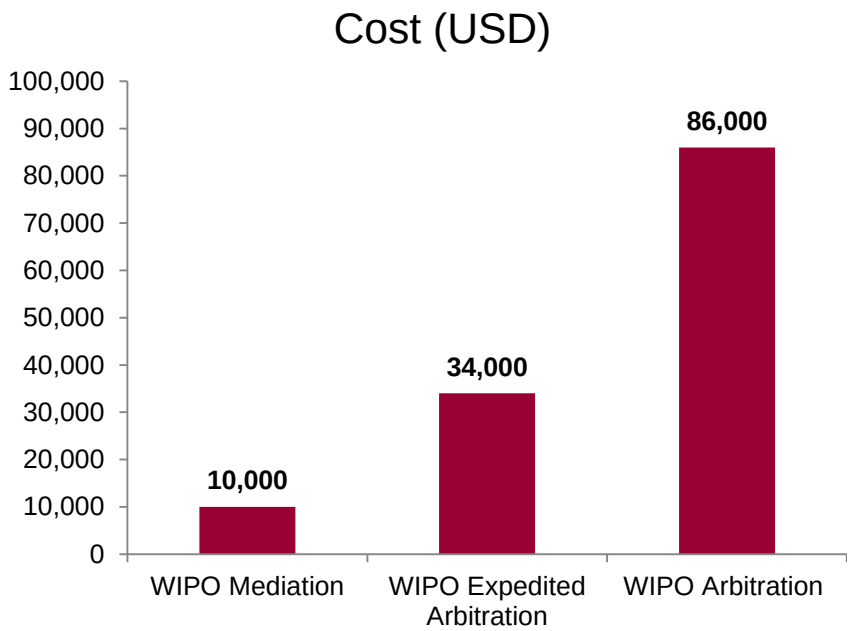

Trademarks
Coexistence
Infringements
Licenses
Oppositions
Revocations
Patents
Cross-licensing
Infringements
Licenses
Ownership
Patent Pools
R&D / Tech Transfer
Royalty Payment
19%
30%
15%
7%
29%
Commercial
Distribution
Energy
Franchising
Marketing
Sports
Copyright
Art
Broadcasting
Entertainment
Film and Media
Infringements
TV Formats
ICT
Mobile Apps
Outsourcing
Systems Integration
Software Development
Software Licensing
Telecommunications

WIPO Cases: Typical Time and Cost





* Excluding cost of parties legal representation

** WIPO Fee Calculator available online

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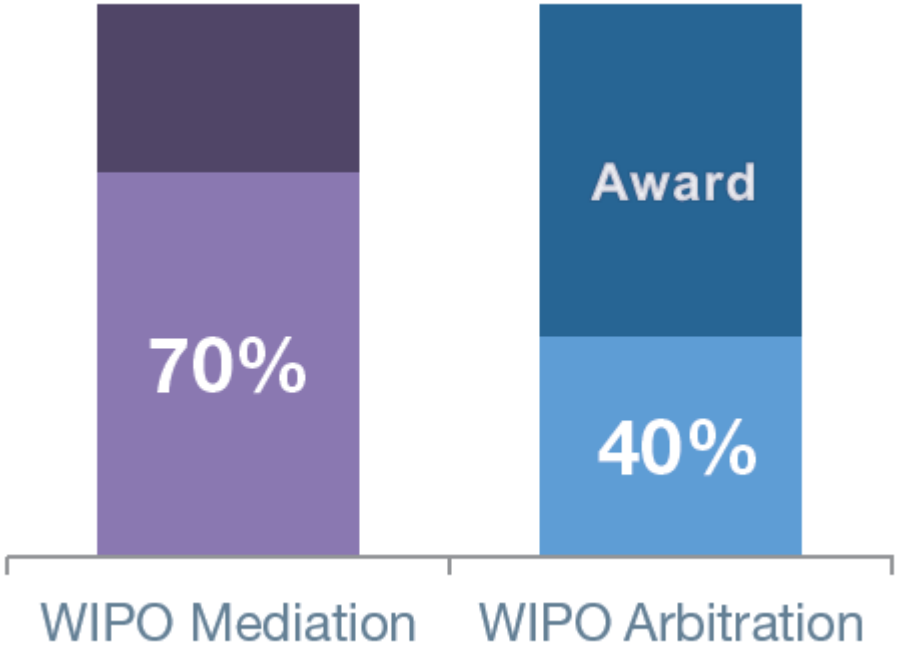
Party Settlement under WIPO Rules



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Resolving Cybersquatting Disputes at WIPO

- WIPO has created and operates the Uniform Domain Name Dispute Resolution Policy (UDRP)
- An international administrative ADR procedure that allows trademark owners to file "clear cut" cases of abusive domain name registration and use ("cybersquatting") without going to court
- Uniform: applicable to all international domains "old" (.com, .net, etc.) and "new" (.bike, .xyz, etc.)
  - Also available for 74 national domains, including (in adapted form) the .nl domain
- Since 1999: 39,000 WIPO cases covering 73,000 domain names
  - 2016 total: 3,074 cases

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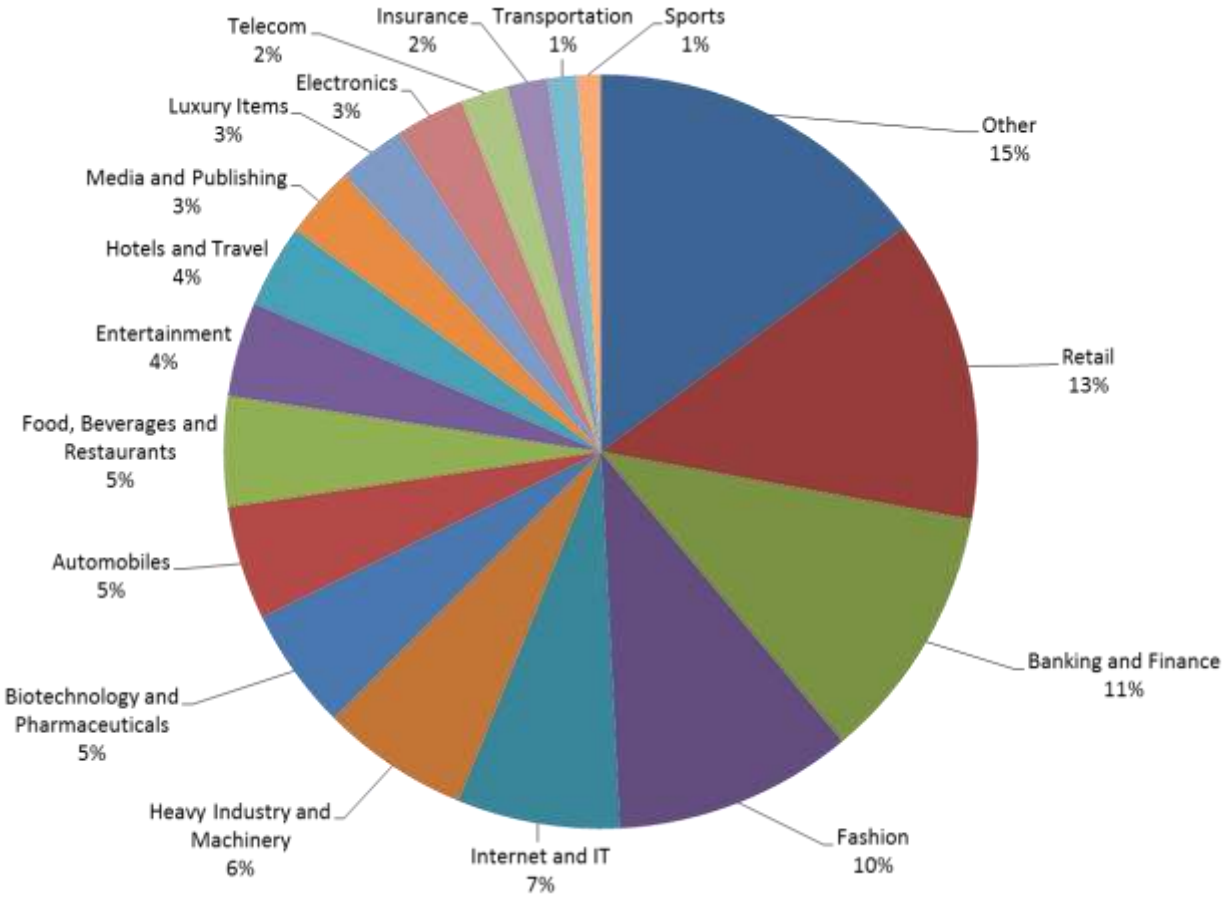
UDRP: Principal Advantages

- Significantly quicker and cheaper than court litigation
  - Two-month average; fixed fees (USD 1,500)
- Predictable criteria and results
- Decision (transfer) implemented directly by registrar
- Prevents consumer confusion/brand abuse

WIPO UDRP Complainant Areas of Activity



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Further WIPO ADR Information

- Queries:
  arbiter.mail@wipo.int
- Clauses:
  www.wipo.int/amc/en/clauses/
- Rules:
  http://www.wipo.int/amc/en/rules/
- Case examples:
  www.wipo.int/amc/
- WIPO domain name dispute resolution:
  www.wipo.int/amc/en/domains/

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IP Infrastructure
Databases and Platforms

Mr. Paul Halfpenny, Senior Administrator,
Office of the Assistant Director General,
Global Infrastructure Sector, (GIS), WIPO

Newcastle, 26 April 2018

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Strategic Goals of Global Databases and Platforms

- Two related goals:
  - Coordination and Development of Global IP Infrastructure
  - World Reference Source for IP Information and Analysis

TOOLS, PLATFORMS FOR IP BUSINESS AND GLOBAL DATABASES

- International Classifications and Standards
- WIPO Access to Knowledge and Information
- WIPO Platform (IPAS, DAS, CASE, Connect)
- WIPO Lex
- Global Brand Database
- Global Design Database
- PATENTSCOPE

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Classifications

WIPO International Classifications

Applicants for national or international IP protection are required to determine whether their creation is new or owned/claimed by someone else. To determine this, huge amounts of information must be searched. International classifications facilitate such searches by organizing information concerning inventions, trademarks and industrial designs into indexed, manageable structures for easy retrieval.

News

All news

CEL/12 (October 26 to 30, 2015): final report now available Nov 23, 2015

Official Spanish version of NCL10-2016 now available in XLS format Nov 9, 2015

International Patent Classification

The International Patent Classification (IPC) is used to classify patents and utility models according to the different areas of technology to which they pertain. The IPC was established by the Strasbourg Agreement in 1971 and is continuously revised by the IPC Committee of Experts.

Nice Classification

The Nice Classification (NCL) is an international system used to classify goods and services for the purposes of the registration of marks. The Nice Classification was established by the Nice Agreement in 1957 and is continuously revised by the Committee of Experts of the Nice Union.

Locarno Classification

The Locarno Classification (LOC) is an international system used to classify goods for the purposes of the registration of industrial designs. It was established by the Locarno Agreement in 1968 and is continuously revised by the Committee of Experts of the Locarno Union.

Vienna Classification

The Vienna Classification (VCL) is a hierarchical system that classifies the figurative elements of marks into categories, divisions and sections, on the basis of their shape. It was established by the Vienna Agreement in 1973 and is continuously revised by the Committee of Experts of the Vienna Union.

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(a) **Section Symbol –** Each section is designated by one of the capital letters A through H.

(b) **Section Title –** The section title is to be considered as a very broad indication of the contents of the section. The eight sections are entitled as follows:

A HUMAN NECESSITIES
B PERFORMING OPERATIONS; TRANSPORTING
C CHEMISTRY; METALLURGY
D TEXTILES; PAPER
E FIXED CONSTRUCTIONS
F MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING
G PHYSICS
H ELECTRICITY

(c) *[Deleted]*

(d) **Subsection –** Within sections, informative headings may form subsections, which are titles without classification symbols.

Example: Section A (HUMAN NECESSITIES) contains the following subsections:

AGRICULTURE
FOODSTUFFS; TOBACCO
PERSONAL OR DOMESTIC ARTICLES
HEALTH; LIFE SAVINGS; AMUSEMENT

CLASS

20. Each section is subdivided into classes which are the second hierarchical level of the Classification.

(a) **Class Symbol –** Each class symbol consists of the section symbol followed by a two-digit number.

Example: H01

(b) **Class Title –** The class title gives an indication of the content of the class.

Example: H01 BASIC ELECTRIC ELEMENTS

(c) **Class Index –** Some classes have an index which is merely an informative summary giving a broad survey of the content of the class.

Standards

WIPO Standards

Part 3 of the *Handbook on Industrial Property Information and Documentation*

This part of the WIPO Handbook contains the full text of WIPO Standards, Recommendations and Guidelines established with the intention of harmonizing industrial property information practices of WIPO member states, thereby promoting international exchange of industrial property documents and related data.

WIPO Standards are expressed in the form of recommendations and are directed to States and international organizations, in particular to their national or regional industrial property offices, to the International Bureau of WIPO, and to any other national or international institution interested in industrial property documentation and information.

In the framework of the international cooperation promoted by WIPO in the field of industrial property information and documentation, standardization efforts have resulted in over 50 WIPO Standards, Recommendations and Guidelines related to patents, trademarks and industrial designs.

WIPO Standards facilitate the harmonization of practices by industrial property offices regarding electronic data processing in respect of the procedures for filing, examination, publication, granting and registration of industrial property titles. WIPO Standards also facilitate the international transmission, exchange, sharing and dissemination of industrial property information (text and images), as well as access to and retrieval of this information.

Any new Standard or revised version of already existing Standards will be added to those published here subsequent to the adoption thereof by the Committee on WIPO Standards (CWS).

Shortcuts

List of WIPO Standards

WIPO Standards referenced in other WIPO Standards

Tracked Changes Files

Archives

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Access to Knowledge and Information

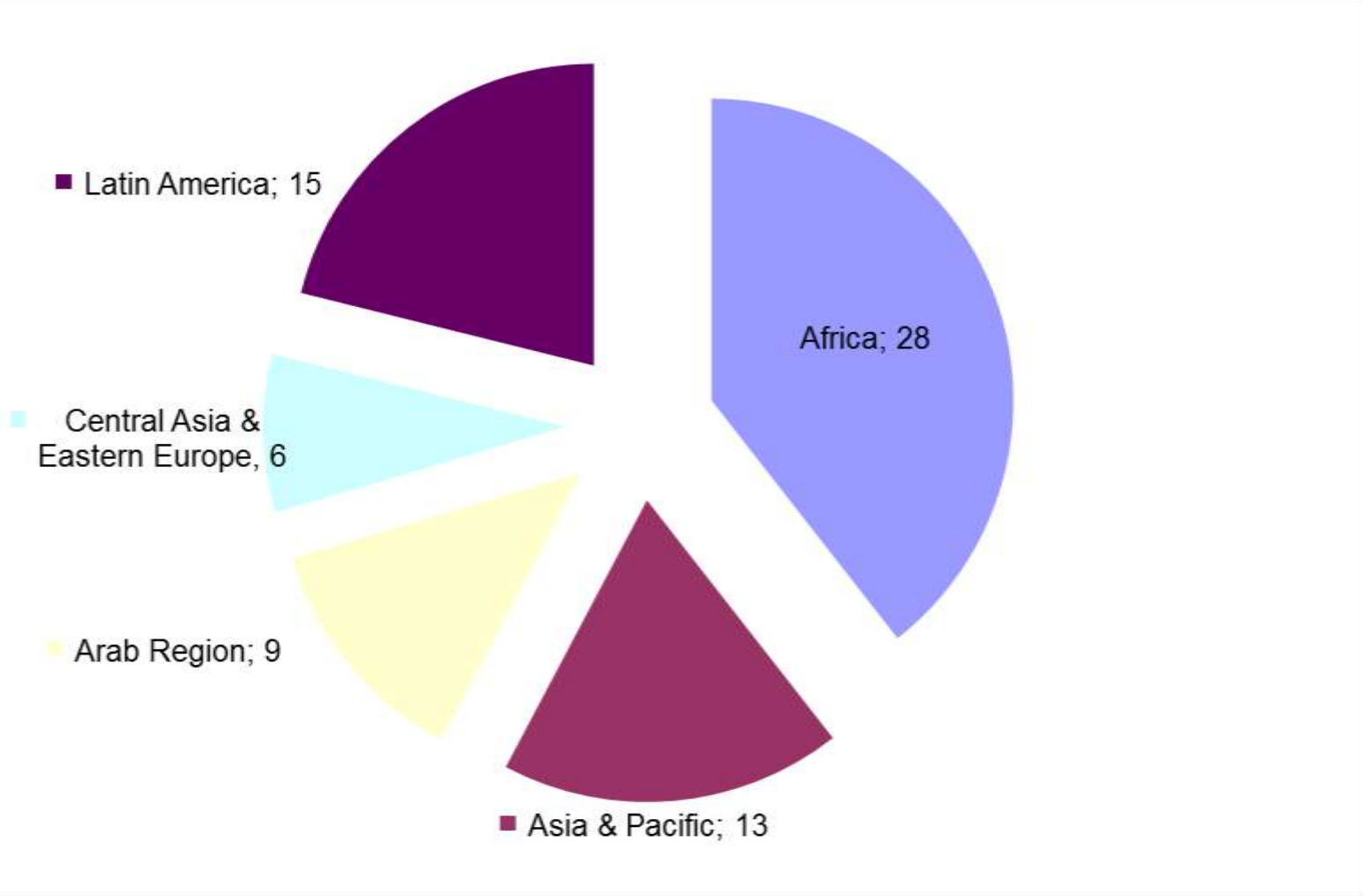
- TISC - Technology and Innovation Support Centers
- ASPI - Access to Specialized Patent Information
- ARDI - Access to Research for Development and Innovation
- IAP – Inventor Assist Program

TISC Services

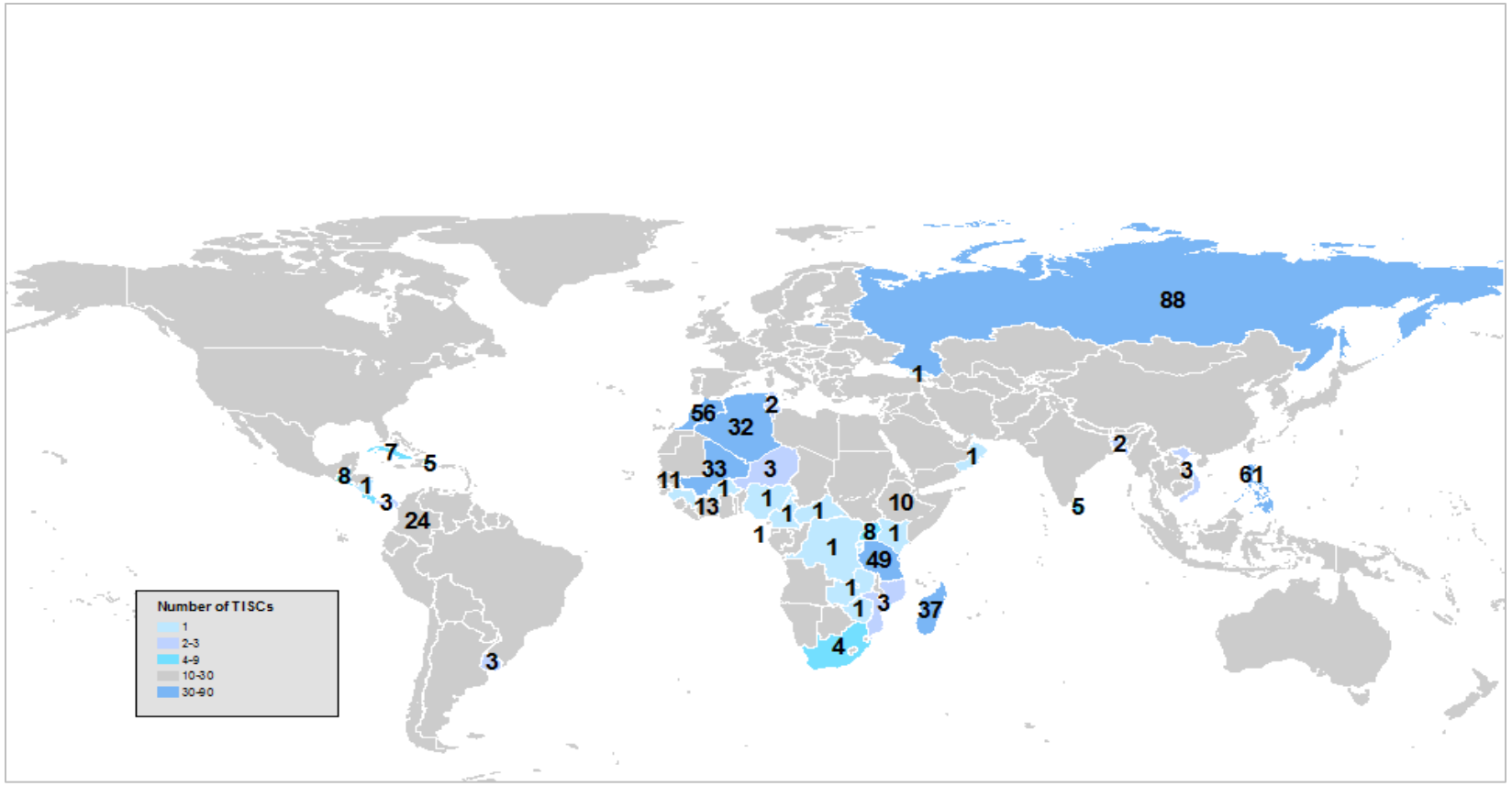
- Core services
  - Access to patent and non-patent databases
  - Assistance in using databases
- Additional services (based on user need and office capacity)
  - Technology search services
  - Patent analytical services
  - Awareness-raising and training services

Photo source: Office Marocain de la Propriété Industrielle et Commerciale

Regional distribution



TISC Results to date



71 national projects and over **600TISCs** worldwide

> 600’000 inquiries supported annually *(data as of 2017)*

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Resources

Print resources

Electronic resources

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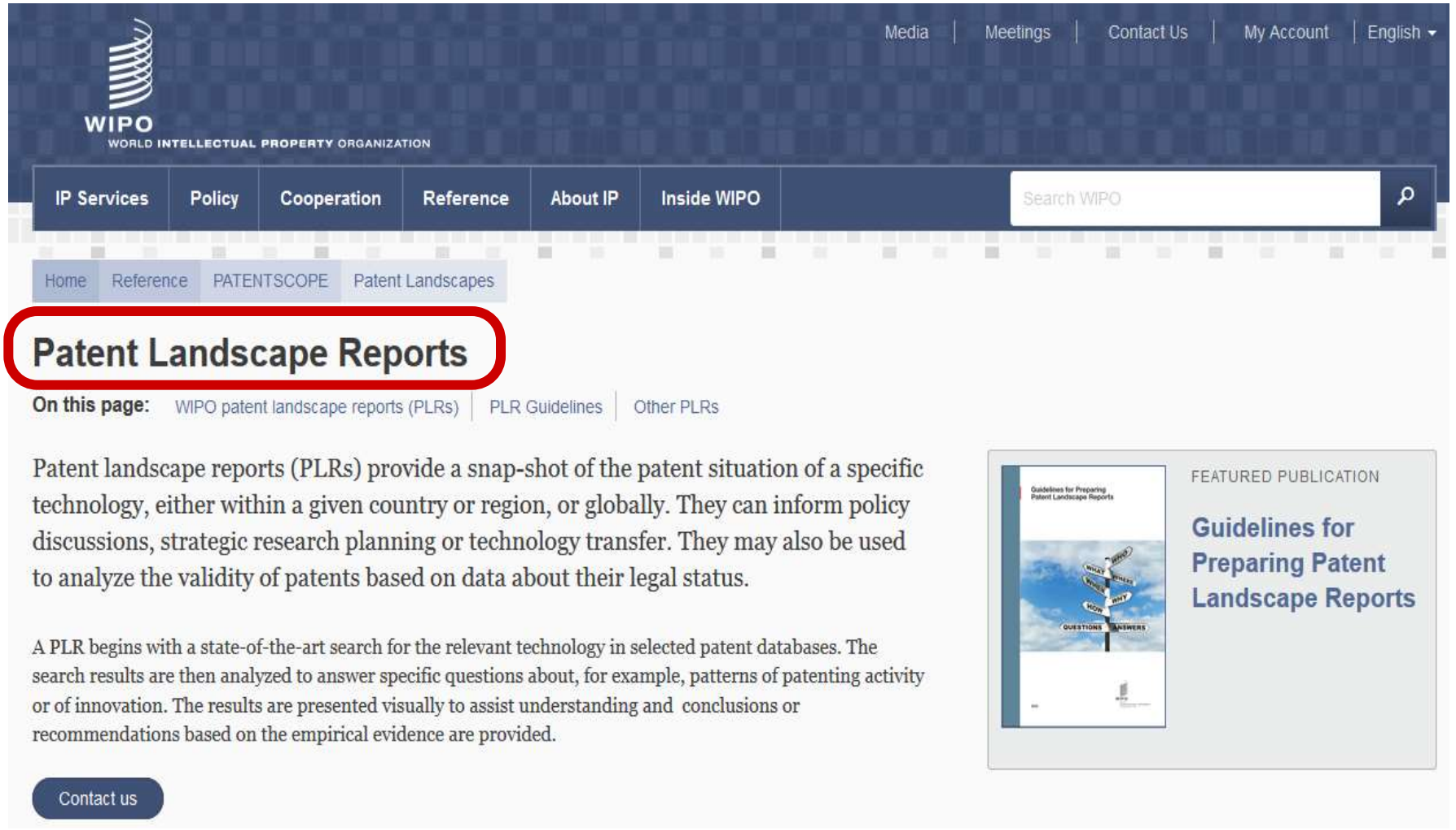
Patent Landscape Reports



http://www.wipo.int/patentscope/en/programs/patent_landscapes/

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WIPO-WEF Inventor Assistance Program (IAP)

- Pro bono legal assistance in filing and prosecution of patent applications for under-resourced inventors and small enterprises
- Pilot projects in Colombia, Morocco, and Philippines in 2015/16
- Global launch October 17, 2016
- Program launch in South Africa in 2017

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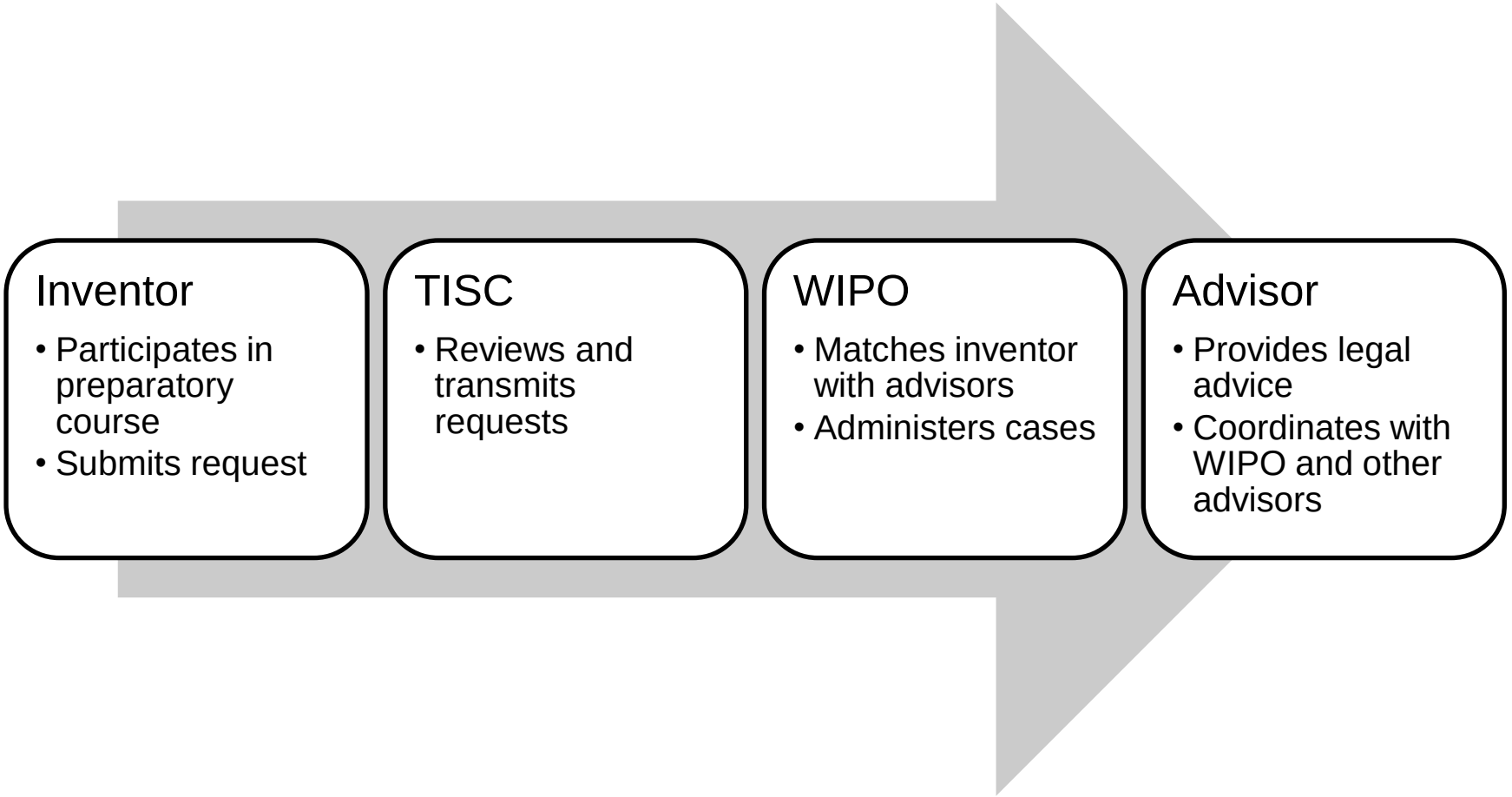
IAP: Process


Inventor
• Participates in preparatory course
• Submits request
TISC
• Reviews and transmits requests
WIPO
• Matches inventor with advisors
• Administers cases
Advisor
• Provides legal advice
• Coordinates with WIPO and other advisors

Access to Commercial Patent Database Systems

ASPI

ACCESS TO SPECIALIZED PATENT INFORMATION

- Partnership with 8 patent database service providers
  - AmberCite → AmberScope
  - LexisNexis → TotalPatent
  - Minesoft → PatBase
  - PatSnap →Analytical/Insights/Chemical
  - Questel → Orbit
  - Thomson Reuters → Thomson Innovation
  - WIPS → WIPS Global
  - Gridlogics → PatSeer

www.wipo.int/aspi

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Access to Scientific and Technical Journals

ARDI
Research for Innovation

- Partnership with 31 major publishers
- Free or low-cost access for 117 least developed and developing countries to over 28,800 books, journals, and reference works in various fields of research including:
  - applied physics
  - engineering
  - chemistry
  - traditional knowledge

www.wipo.int/ardi

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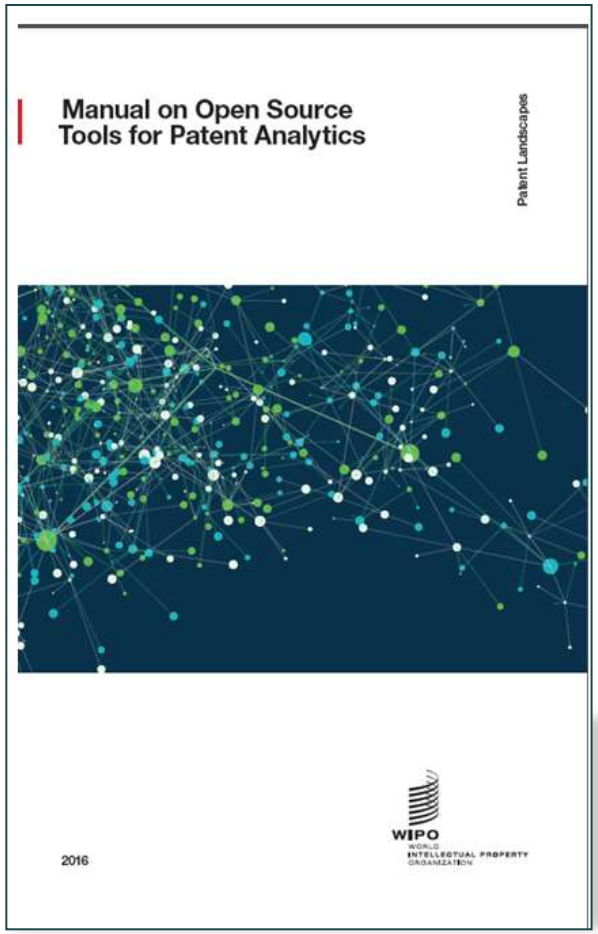
The Manual on Open Source Tools for Patent Analytics

- 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 Platforms

- IPAS - Industrial Property Administration System
- DAS - Digital Access System
- CASE - Centralized Access to Search and Examination Reports
- WIPO Connect

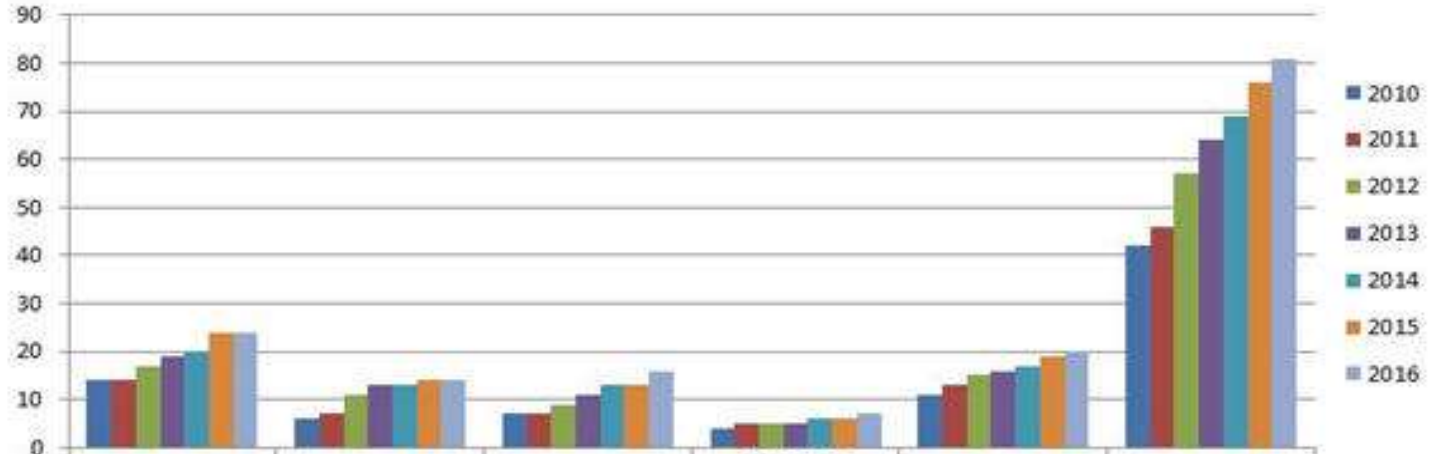
IPAS

- IPAS used by 70 IPOs

- A WIPO software enabling small IPOs to electronically process patent, trademark, design applications and automatically provide the data to WIPO for inclusion in IP databases

IPAS Usage

WIPO IP Office Business Systems - Usage by Region



	AFRICA	ARAB	ASPAC	Transition Countries	LAC	Total
2010	14	6	7	4	11	42
2011	14	7	7	5	13	46
2012	17	11	9	5	15	57
2013	19	13	11	5	16	64
2014	20	13	13	6	17	69
2015	24	14	13	6	19	76
2016	24	14	16	7	20	81

IP Office Business Systems include: IPAS (IP Administration System), AIPMS (Arab language version), WIPO Scan (digitization), EDMS (document management), WIPO File (online filing), WIPO Publish (online search database)

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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 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).

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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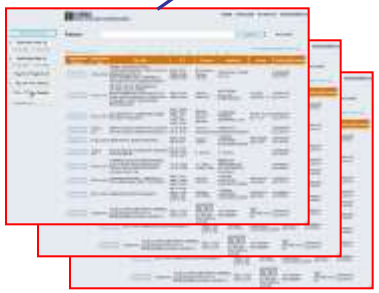
Public Access

Public Users

IP 5 Public Dossier



Patentscope Public Access

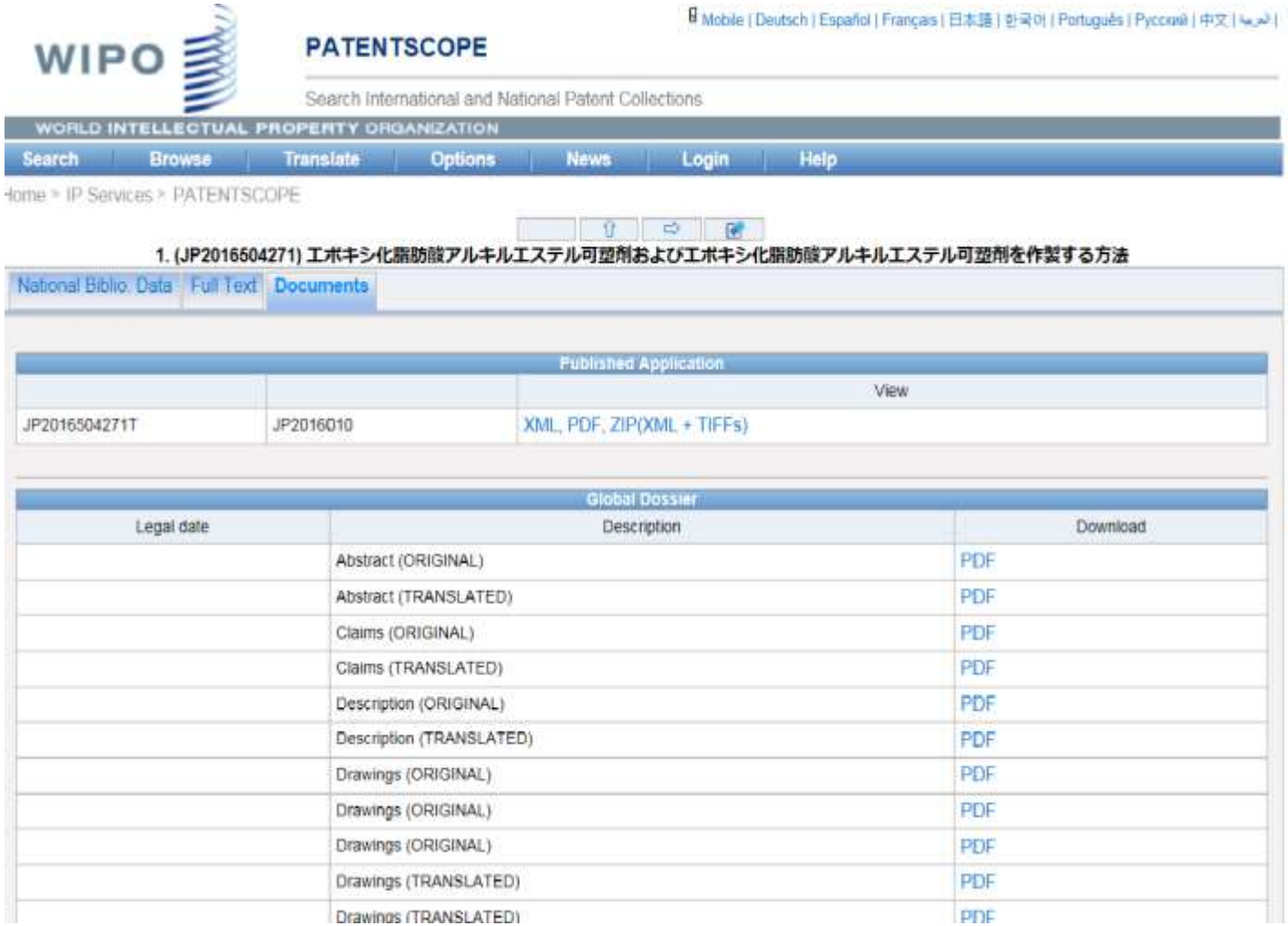
Status

- 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

WIPO CASE Integration in PATENTSCOPE

- Dossier content available via PATENTSCOPE contains non-confidential public documents related to the search and examination of patent applications during the patenting process in each office including:
  - search reports
  - office actions and
  - correspondence between the applicant and the patent office, relating to a particular patent application

WIPO CASE Integration in PATENTSCOPE - Example



WIPO

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

PATENTSCOPE

Search International and National Patent Collections

WORLD INTELLECTUAL PROPERTY ORGANIZATION

Search | Browse | Translate | Options | News | Login | Help

Home > IP Services > PATENTSCOPE

1. (JP2016504271) エポキシ化脂肪酸アルキルエステル可塑剤およびエポキシ化脂肪酸アルキルエステル可塑剤を作製する方法

National Biblio. Data | Full Text | Documents

Published Application

		View
JP2016504271T	JP2016010	XML, PDF, ZIP(XML + TIFFs)

Global Dossier

Legal date	Description	Download
	Abstract (ORIGINAL)	PDF
	Abstract (TRANSLATED)	PDF
	Claims (ORIGINAL)	PDF
	Claims (TRANSLATED)	PDF
	Description (ORIGINAL)	PDF
	Description (TRANSLATED)	PDF
	Drawings (ORIGINAL)	PDF
	Drawings (ORIGINAL)	PDF
	Drawings (ORIGINAL)	PDF
	Drawings (TRANSLATED)	PDF
	Drawings (TRANSLATED)	PDF

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WIPO CASE Integration in PATENTSCOPE - Example (cont'd)

22.09.2014	Communication In Cases For Which No Other Form Is Applicable (ORIGINAL)	PDF
22.09.2014	Communication In Cases For Which No Other Form Is Applicable (TRANSLATED)	PDF
10.04.2015	National Entry Form (ORIGINAL)	PDF
10.04.2015	National Entry Form (TRANSLATED)	PDF
25.05.2015	Notification of Appointment of Power of Attorney (ORIGINAL)	PDF
25.05.2015	Notification of Appointment of Power of Attorney (TRANSLATED)	PDF
25.06.2015	Corrected International Publication (ORIGINAL)	PDF
25.06.2015	Corrected International Publication (TRANSLATED)	PDF
25.06.2015	Drawings in International Publication in a language other than Japanese (Ex Officio) (ORIGINAL)	PDF
25.06.2015	Drawings in International Publication in a language other than Japanese (Ex Officio) (TRANSLATED)	PDF
25.06.2015	International Preliminary Report on Patentability(I) (ORIGINAL)	PDF
25.06.2015	International Preliminary Report on Patentability(I) (TRANSLATED)	PDF
25.06.2015	International Publication (ORIGINAL)	PDF
25.06.2015	International Publication (TRANSLATED)	PDF
25.06.2015	International Search Report (ORIGINAL)	PDF
25.06.2015	International Search Report (TRANSLATED)	PDF
25.06.2015	Representative drawing of International Publication in a language other than Japanese (Ex Officio) (ORIGINAL)	PDF
25.06.2015	Representative drawing of International Publication in a language other than Japanese (Ex Officio) (TRANSLATED)	PDF
16.07.2015	Notification of Resignation of Power of Attorney (ORIGINAL)	PDF
16.07.2015	Notification of Resignation of Power of Attorney (ORIGINAL)	PDF

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WIPO Connect

WHAT	COLLECTIVE MANAGEMENT SOLUTION
WHY	WIPO'S MANDATE
WHEN	2017 (MUSIC) 2018 (RECORDING)
WHERE	EVERYWHERE / LDCs

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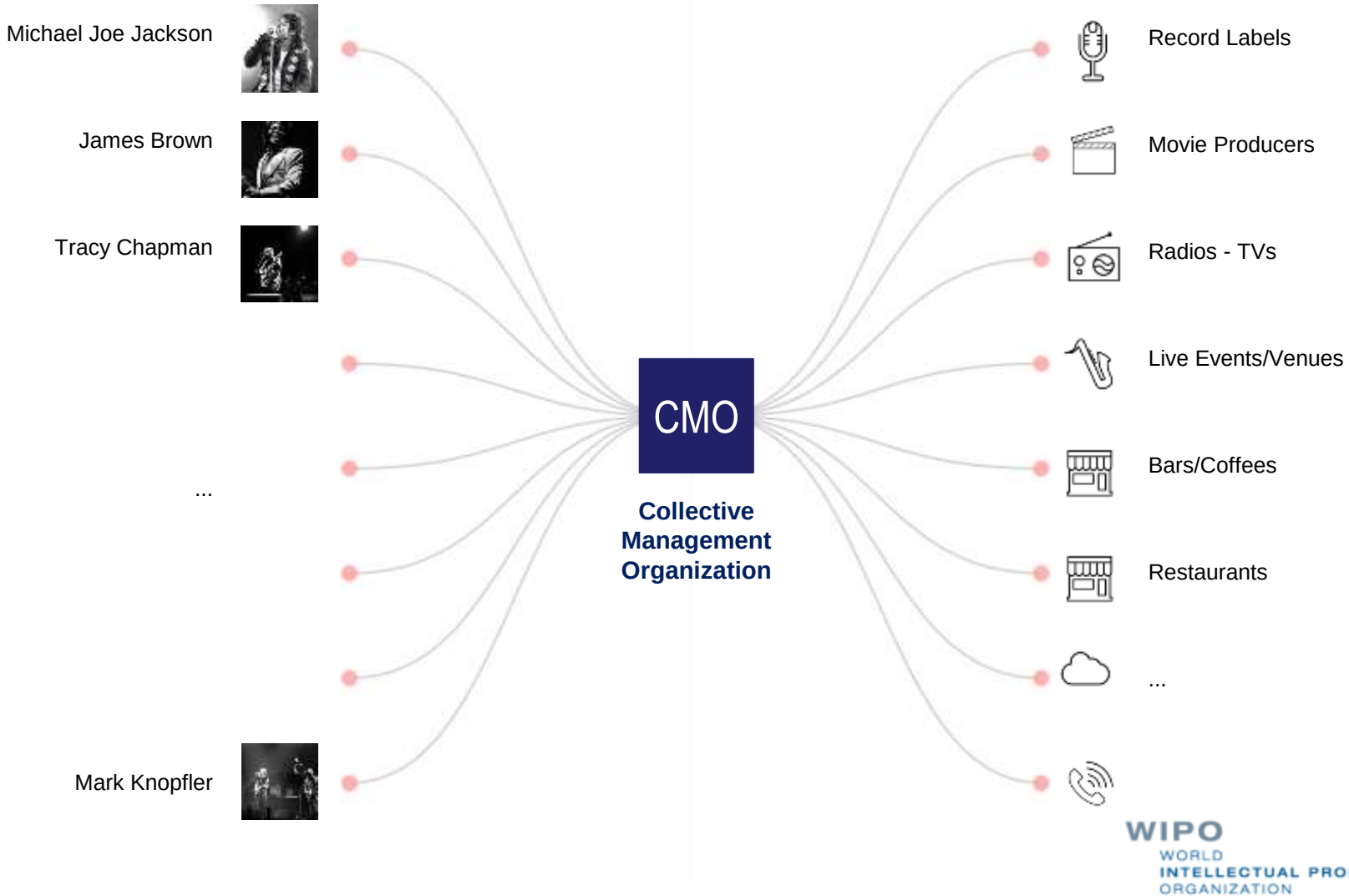
Collective Management (music copyright)



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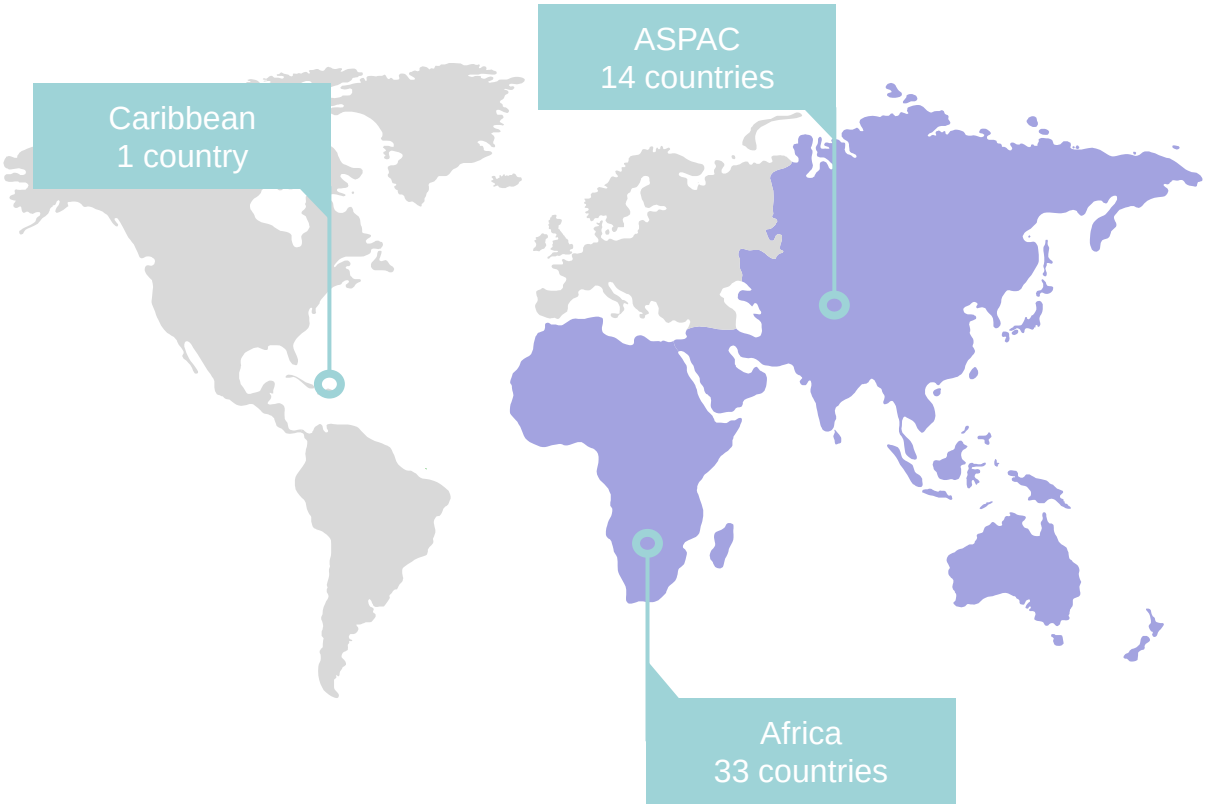
WORLD INTELLECTUAL PROPERTY ORGANIZATION

Connect Coverage

48 «LDCs»...



... and additional priorities based on industry related indicators

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Global Databases

- ATAC – Advanced Technology Applications Center
- WIPO Lex
- Global Brand Database
- Global Design Database
- PATENTSCOPE

Global IP Databases: Access Point

Knowledge

We provide the data and economic intelligence that enable strategic decisions.

Global IP infrastructure

PATENTSCOPE
68,240,000 international and national patent documents

Global Brand Database
34,390,000 records of trademarks, appellations of origin and emblems from multiple national and international sources.

Global Design Database
1,020,000 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

Market intelligence

Services yearly reviews
Comprehensive facts, figures and analysis.

World IP Report
Intangible Capital in Global Value Chains.

WIPO IP Facts and Figures
An overview of intellectual property activity using the latest available year of complete statistics.

Global Innovation Index
Innovation Feeding the World.

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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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Advanced Technology Applications Center (ATAC)

Explore the use of machine learning and other new technologies to improve current and future WIPO applications

- Machine translation
  - WIPO has been an early adopter of the new technology Neural Machine Translation
- Speech
  - Use machine learning to learn from conference records and transcript to build automatic transcription (Speech to text)
  - Similarly try to apply it to transcription of interpretation (speech to translated text)
- Image classification
  - Automatic classification of trademark images

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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United Kingdom (286 texts)

Quick Access: Laws (76 texts) Implementing Rules/Regulations (210 texts) IP Legal Literature (5 texts) Treaty Membership (101 texts) Relevant links

Laws

Constitution / Basic Law

- An explanatory note concerning the origins of the United Kingdom intellectual property legal regime PDF

Main IP Laws: enacted by the Legislature

- Copyright, Designs and Patents Act 1988 (Chapter 48) (2012)
- Digital Economy Act 2010 (2010)
- Trade Descriptions Act 1968 (Chapter 29, as amended up to The Consumer Protection from Unfair Trading Regulations 2008) (2008)
- The Patents Act 1977 (Chapter 37, incorporating amendments up to Patents Regulations 2000) (2007)
- The Patents Act 2004 (An Act to amend the Patents Act 1977) (2004)
- Copyright, etc. and Trade Marks (Offences and Enforcement) Act 2002 (Chapter 25) (2002)
- The Plant Varieties and Seeds Act 1964 (Chapter 14, as amended up to the Beet Seed (Scotland) Regulations 2010) (2002)
- Plant Varieties Act 1997 (1997)
- The Broadcasting Act 1996 (Chapter 55) (1996)
- Patents and Designs Act 1907 (Chapter 29, as amended up to the Trade Marks Act 1994) (1994)
- The Broadcasting Act 1990 (Chapter 42), Section 175 and 179 and Schedule 21 (1990)
- The Registered Designs Act 1949 (as consolidated 1979) (1979)

IP-related Laws: enacted by the Legislature

- Enterprise and Regulatory Reform Act 2013 (2013)
- The Finance Act 2013 (2013)
- The Civil Procedure (Amendment No.8) Rules 2013 (2013)
- The Cultural Test (Television Programmes) Regulations 2013 (2013)
- The Cosmetic Products Enforcement Regulations 2013 (2013)
- Crime and Courts Act 2013 (2013)
- The Legal Deposit Libraries (Non-Print Works) Regulations 2013 (2013)
- The Civil Procedure (Amendment) Rules 2013 (2013)

United Kingdom

The Patents Act 2004 (An Act to amend the Patents Act 1977)

Year of Version:	2004
Date of Text (Enacted):	July 22, 2004
Type of Text:	Main IP Laws: enacted by the Legislature
Subject Matter:	Enforcement of IP and Related Laws, IP Regulatory Body, Patents (Inventions)
Notes:	The Patents Act 2004 amends the Patents Act 1977 ('the 1977 Act'), which is the main patent law and the statute governing the patents system in the UK. The purpose of the Act is as follows: - to bring the UK patents system into line with the revised European Patent Convention (EPC) - to introduce into the 1977 Act some measures designed to assist in the enforcement of patent rights and in the resolution of patent disputes between patent proprietors and third parties -to update the 1977 Act The Act sets out the major amendments to the 1977 Act: -Schedule 1 makes further amendments relating to international obligations. -Schedule 2 makes minor and consequential changes to the 1977 Act. -Schedule 3 lists the repealed provisions of the 1977 Act. The text of the Patents Act 2004 is reproduced with the express authorization from the UK Intellectual Property Office (Intellectual Property Office © Crown Copyright 2004). ... [-]
Available Texts:	
English	The Patents Act 2004 (An Act to amend the Patents Act 1977) PDF
Related Legislation:	**Amends** • The Patents Act 1977 (Chapter 37, incorporating amendments up to Patents Regulations 2000) (GB324) **Relates to** • The Patents Act 2004 (Commencement No. 4 and Transitional Provisions) Order 2007 (GB213) • The Patents Act 2004 (Commencement No. 3 and Transitional Provisions) Order 2005 (GB215) • The Patents Act 2004 (Commencement No. 2 and Consequential, etc. and Transitional Provisions) Order 2004 (GB216) **Is amended by** • The Patents Act 2004 (Commencement No. 1 and Consequential and Transitional Provisions) Order 2004 (GB217)
WIPO Lex No.:	GB136

Shortcuts

United Kingdom

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- Over 28 million records relating to nationally and internationally-protected trademarks
- Allows searches across multiple collections, including:
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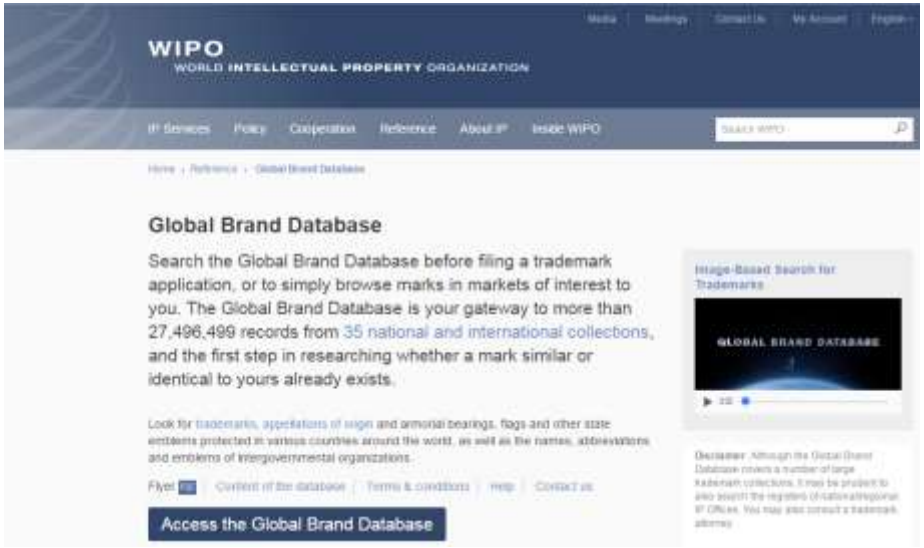

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SEARCH BY

Brand | Names | Numbers | Dates | Class | Country

Text: e.g. wipo OR ompi, "real", ompi~

Image Class: e.g. 06.07.13, apple AND tree

Goods/Services: e.g. footwear, comput*

search

CURRENT SEARCH

[BRAND:newcastle brown ale]

FILTER BY

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

US	8,140	AU	1,218	KR	1,097	EM	434	NZ	424	FI	300	MX	264	DE	257	SG	232
PH	229	MY	214	ID	187	TH	127	JP	125	ES	119	CL	99	CH	83	DK	75
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RU	1	QD	1														

Display: List | Sort: Count - desc | filter

1 - 30 / 12,706 | TMview | Display: 30 per page | custom | 1 / 424

Brand	Source	Status	Relevance	Origin	Holder	Number	App. Date	Image Class	Nice Cl.	Image
NEWCASTLE BROWN ALE	JP TM	Active	25	JP	[illegible]	4392741	1999-02-18		25, 32, 33, 42	
NEWCASTLE BROWN ALE	KR TM	Active	4	KR	스코티시 앤드 뉴캐슬 리미티드	451999000000381	1999-02-23		42, 32, 33, 25	
Newcastle Brown Ale	KR TM	Pending	4	KR	주식회사 스코트랜	40199700002159	1997-05-13			
NEWCASTLE BROWN ALE	WO TM	Active	4	GB	Scottish & Newcastle Limited	784238			32	
NEWCASTLE BROWN ALE	US TM	Pending	3	US	Scottish & Newcastle Limited	87543397	2017-07-26	US 01 01, US 24 07	32	
NEWCASTLE BROWN ALE	CL TM	Active	3	CL	Scottish & Newcastle Limited	1093643	2014-02-04			
NEWCASTLE BROWN ALE	CL TM	Active	3	CL	SCOTTISH & NEWCASTLE LIMITED	1030776	2012-10-23		32	
NEWCASTLE BROWN ALE	ID TM	Active	3	ID	Scottish & Newcastle Limited	R002012006004	2012-09-09		32	
NEWCASTLE BROWN ALE	IL TM	Active	3	IL	Scottish & Newcastle Limited	222512	2009-07-31		32	
NEWCASTLE BROWN ALE	VN TM	Active	3	VN	Scottish & Newcastle plc	4200306776	2003-10-07		32	
NEWCASTLE BROWN ALE	IS TM	Active	3	IS	Scottish & Newcastle Limited	V0047142	2002-09-20		32	
NEWCASTLE BROWN ALE	PH TM	Inactive	3	PH	SCOTTISH & NEWCASTLE PLC	42002005907	2002-07-18		32	
newcastle brown ale castle	SG TM	Active	3	SG	Scottish & Newcastle Limited	T0212090D	2002-07-10		32	
NEWCASTLE BROWN ALE	AU TM	Active	3	AU	Scottish & Newcastle Limited	923204	2002-07-10		32	
NEWCASTLE BROWN ALE	MY TM	Active	3	MY	Scottish & Newcastle Limited	02007880	2002-07-05		32	

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IMAGE SEARCH

- Sort your results by their visual similarity to an image you provide
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SEARCH BY

Brand | Names | Numbers | Dates | Cl

Text = e.g. wipo OR ompi, "ntel", omp

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

Goods/Services = e.g. footwear, comput*

search

CURRENT SEARCH

BRAND:newcastle brown ale

FILTER BY

Source | Image | Status | Origin | App. Year × | Expiration ×

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Texture
Composite

Pick an image type

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Nonverbal	0
Combined	9
Unknown	0

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CURRENT FILTER

IMAGE Composite × | OO:GB ×

1 - 9 / 9 | TMview | Display: 30 per page | options | 1 / 1

Brand	Source	Status	Relevance	Origin	Holder	Number	App. Date	Image Class	Nice Cl.	Image
EXTRA SPECIAL FULLER'S ESB Champion Ale	WO TM	Active	1	GB	Fuller Smith & Turner plc	1040006		VC.04.03, VC.24.01, VC.24.05, VC.29.01	32	
JOHN BROWN	WO TM	Inactive	1	GB	CB&I UK Limited	803816		VC.27.05, VC.29.01		
GRIFFIN BREWERY FULLER'S CHISWICK LONDON PRIDE Outstanding PREMIUM ALE	WO TM	Active	1	GB	Fuller Smith & Turner plc	1315048		VC.04.03, VC.24.01, VC.29.01		
MOLLY BROWN	WO TM	Active	1	GB	Erica Louise Illingworth	1300383		VC.03.06, VC.26.01		
JB JAMES BROWN LONDON	WO TM	Active	1	GB	JAMES BROWN HAIR CARE LIMITED	990488		VC.27.05	3, 8, 11, 21, 44	
GRIFFIN BREWERY FULLER'S CHISWICK EXTRA SPECIAL ESB Champion Ale VOTED BRITAIN'S BEST BREWED BESIDE THE THAMES SINCE 1845	WO TM	Active	1	GB	Fuller Smith & Turner plc	1313454		VC.01.15, VC.04.03, VC.05.05, VC.24.01, VC.29.01	32	

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NEWS

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9 / 6603058

Singapore Trademark

IPOS INTELLECTUAL PROPERTY OFFICE OF SINGAPORE

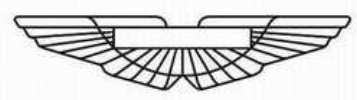
T1311695C
Status: Registered(since 2015.05.04)

(210) Serial number of the application
T1311695C

(220) Date of filing of the application
2013.07.22

(181) Expected expiration date of the registration
2023.07.22

(540) Mark



(539) Description of the figurative elements of the mark using keywords or a freely formulated text
wings

(550) Indication relating to the nature or kind of mark
Trade Mark

(730) Name and address of the applicant or the holder of the registration
Aston Martin Lagonda Limited
Banbury Road, Gaydon, Warwick, CV35 0DB, United Kingdom

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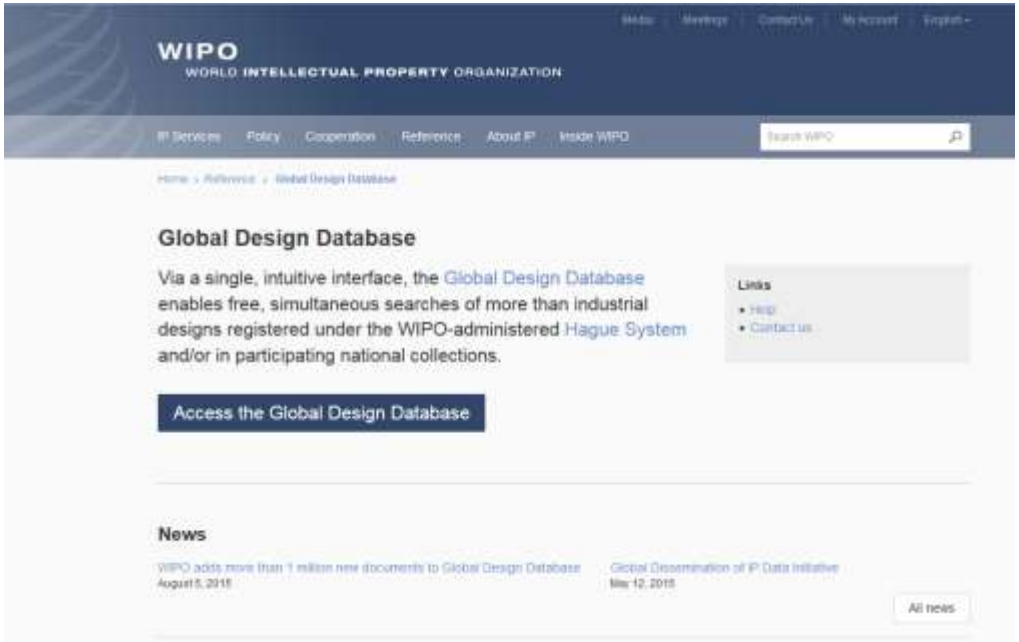

- Launched in 2015
- Simultaneous search of more than 1.7 million industrial designs registered in 6 national collections or under the Hague System

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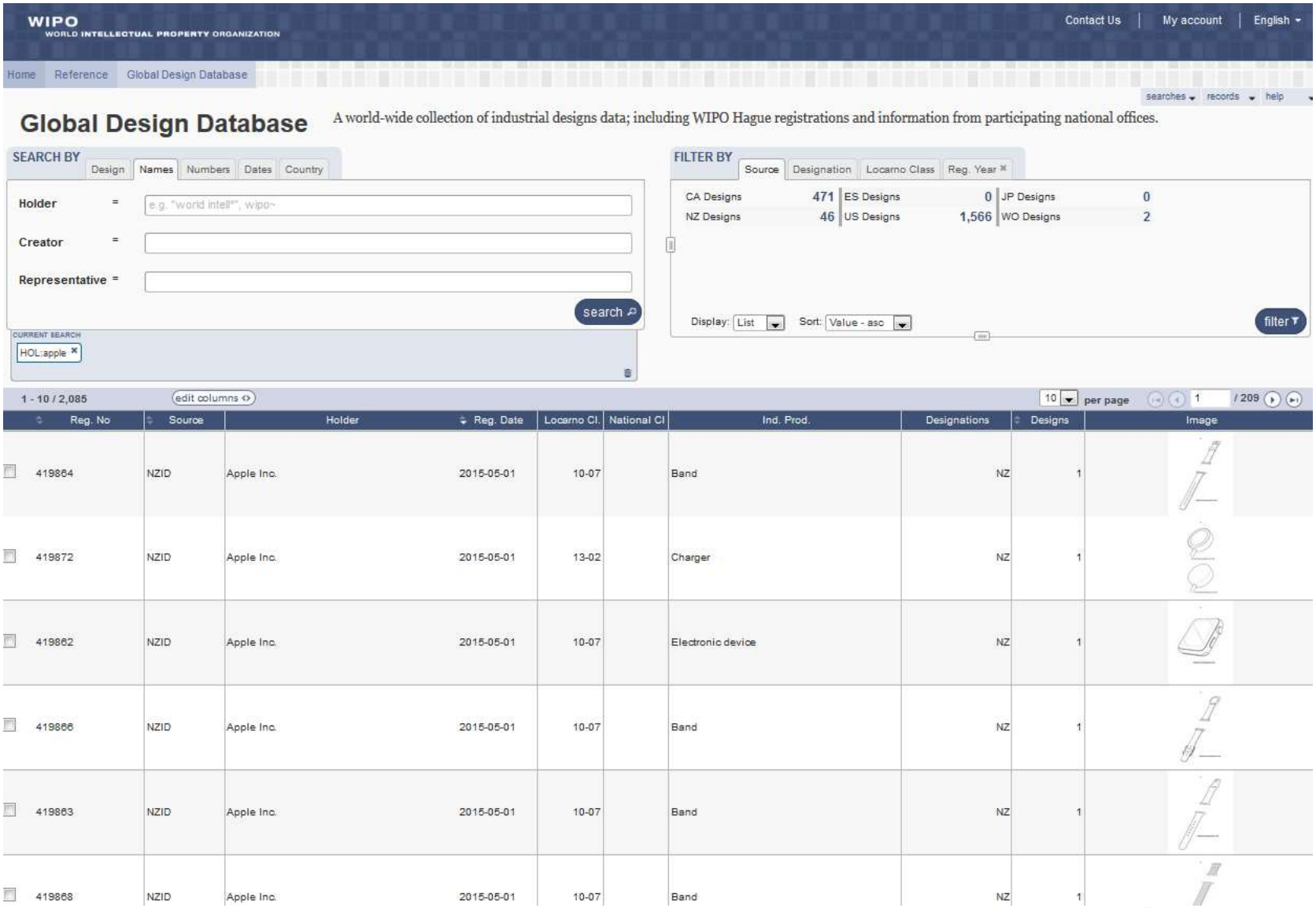

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An example of a Design Database Entry

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(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
2019-06-11

(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
178 Parnham Street, Parnell, Auckland 1052

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PATENTSCOPE

- 3.1 million published PCT applications (first publish every week, high quality full text)
- 68 million patent applications Full text data from 20 countries or regions
- 15,000 page views per hour
- Analyze results by graphs and charts
- Search and read in your language
- Chemical Structure and Name Search

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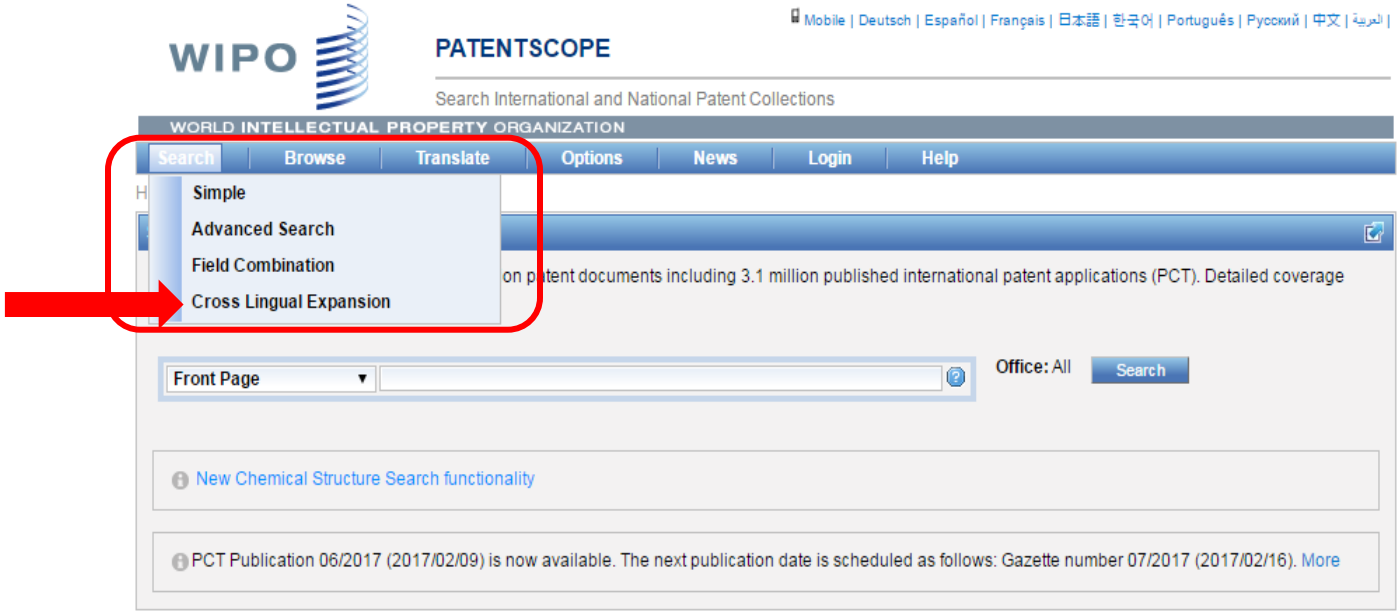
Cross Lingual Search



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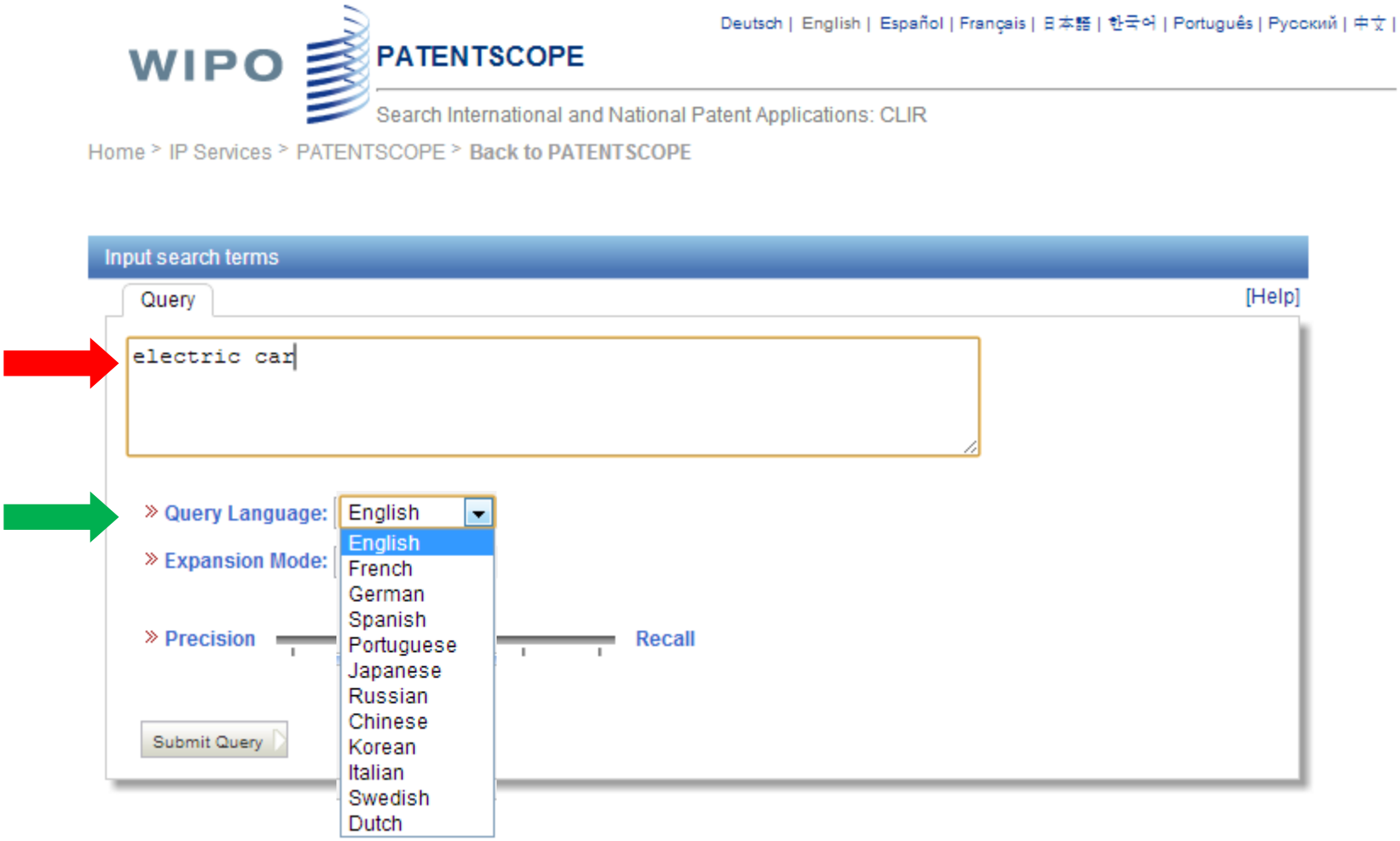

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Electric car - only 16,000 hits
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Home > IP Services > PATENTSCOPE
Results 1-10 of 153,538 for Criteria: (EN_TI:("electric car" OR "electric vehicle" OR "electrical motor" OR "hybrid car" OR "electric vehicular"~21 OR "electric automobile"~21) OR EN_AB:("electric car" OR "electric vehicle" OR "electrical motor" OR "hybrid car" OR "electric vehicular"~21 OR "electric automobile"~21)) OR (DE_TI:("Elektrofahrzeug" OR "Elektroauto" OR "Elektromotors" OR "Elektroautos" OR "Hybridfahrzeug" OR "Hybridautomobil" OR "elektrisches Fahrzeug") OR DE_AB:("Elektrofahrzeug" OR "Elektroauto" OR "Elektromotors" OR "Elektroautos" OR "Hybridfahrzeug" OR "Hybridautomobil" OR "elektrisches Fahrzeug")) OR (ES_TI:("vehículo eléctrico" OR "motor eléctrico" OR "vagón eléctrico" OR "coche eléctrico" OR "carro eléctrico" OR "automóvil eléctrico" OR "vehículo híbrido") OR ES_AB:("vehículo eléctrico" OR "motor eléctrico" OR "vagón eléctrico" OR "coche eléctrico" OR "carro eléctrico" OR "automóvil eléctrico" OR "vehículo híbrido")) OR (FR_TI:("véhicule électrique" OR "voiture électrique" OR "auto électrique" OR "moteur électrique" OR "véhicule hybride" OR "voiture hybride") OR FR_AB:("véhicule électrique" OR "voiture électrique" OR "auto électrique" OR "moteur électrique" OR "véhicule hybride" OR "voiture hybride")) OR (JA_TI:("電動車両" OR "電気自動車" OR "ハイブリッド自動車" OR "ハイブリッドカ" OR "電気車" OR "ハイブリッド車" OR "ハイブリッドカー") OR JA_AB:("電動車両" OR "電気自動車" OR "ハイブリッド自動車" OR "ハイブリッドカ" OR "電気車" OR "ハイブリッド車" OR "ハイブリッドカー")) OR (KO_TI:("전기자동차" OR "전기 차량" OR "전동차량" OR "전기차" OR "차량의제어" OR "하이브리드 자동차와아이" OR "전기 모터 제어" OR "전기 모터" OR "하이브리드 자동차용") OR KO_AB:("전기자동차" OR "전기 차량" OR "전동차량" OR "전기차" OR "차량의제어" OR "하이브리드 자동차와아이" OR "전기 모터 제어" OR "전기 모터" OR "하이브리드 자동차용")) OR (PT_TI:("veículo elétrico" OR "veiculo eléctrico" OR "automóvel eléctrico" OR "veiculo elétrico" OR "motor elétrico") OR PT_AB:("veículo elétrico" OR "veiculo eléctrico" OR "automóvel eléctrico" OR "veiculo elétrico" OR "motor elétrico")) OR (RU_TI:("электрической автомобиля"~22 OR "электрической транспортных средств"~22 OR "электрической средства"~22 OR "электрической вагона"~22 OR "электроподвижного автомобиля"~22 OR "электроподвижного транспортных средств"~22 OR "электроподвижного средства"~22 OR "электроподвижного вагона"~22 OR "электротранспорта") OR RU_AB:("электрической автомобиля"~22 OR "электрической транспортных средств"~22 OR "электрической средства"~22 OR "электрической вагона"~22 OR "электроподвижного автомобиля"~22 OR "электроподвижного транспортных средств"~22 OR "электроподвижного средства"~22 OR "электроподвижного вагона"~22 OR "электротранспорта")) OR (ZH_TI:("电车" OR "电动车辆" OR "电动汽车" OR "电动机动" OR "用于电动机动" OR "混合动力汽车" OR "混合动力车发电") OR ZH_AB:("电车" OR "电动车辆" OR "电动汽车" OR "电动机动" OR "用于电动机动" OR "混合动力汽车" OR "混合动力车发电")) Office(s):all Language:EN Stemming: true
prev 1 2 3 4 5 6 7 8 9 10 next Page: 1 / 15354 Go >
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No | Ctr | Title | PubDate | Int.Class | Appl.No | Applicant | Inventor
1. | WO | WO/2012/167518 - SOLAR HYBRID VEHICLE | 13.12.2012 | B60K 6/28 | PCT/CN2011/079446 | ZHU, Shuyi | ZHU, Shuyi
A solar hybrid vehicle comprises a vehicle body, a vehicle energy configuration system, and a braking energy recycling device (11). The vehicle body collects solar energy with a solar energy collection system, the collected solar energy is stored in the vehicle energy configuration system, and the braking energy recycling

1. (WO2012167518) SOLAR HYBRID VEHICLE

Latest bibliographic data on file with the International Bureau PermaLink

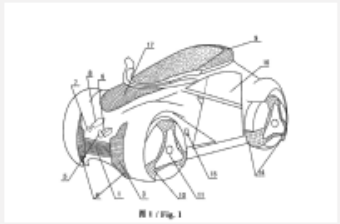
Pub. No.: WO/2012/167518 **International Application No.:** PCT/CN2011/079446
Publication Date: 13.12.2012 **International Filing Date:** 07.09.2011
IPC: ***B60K 6/28*** (2007.10), ***B60L 8/00*** (2006.01)

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

Priority Data: 201110151619.9 08.06.2011 CN

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

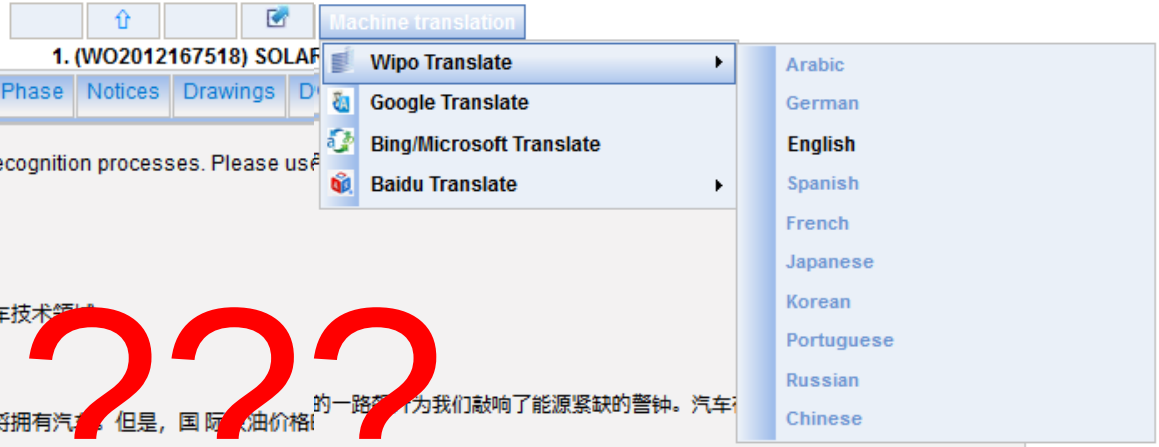
Abstract:



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

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

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



1. (WO2012167518) SOLAR

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

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太阳能混合动力汽车

技术领域

本发明涉及一种太阳能混合动力汽车，属于新能源汽车技术

背景技术

随着国民经济的快速发展，越来越多的家庭已经或即将拥有汽 。但是，国 油价格 的一路 为我们敲响了能源紧缺的警钟。汽车 在新能源汽车上取得实质性的技术突破。

???

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

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

因此，借助技术的更新可以为市场提供更好的节能环保型太阳能混合动力汽 车。

发明内容

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

为实现上述的发明目的，本发明采用下述的技术方案：

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

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

1. (WO2012167518) SOLAR HYBRID VEHICLE

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

Solar hybrid electric vehicle

Field of the technical field of the technical field

The invention relates to a solar hybrid electric vehicle, and belongs to the technical field of new energy automobiles

Description of related art

Along with the rapid development of national economy, more and more families have already or about all automobiles are going to own. However, one way of international crude oil price rises to be a warning clock which can knock the shortage of energy.. The popularization requirements of automobiles in china home meet the substantive technical breakthrough on new energy automobiles

At present, various scientific research institutions and companies at home and abroad are directed to research and development of new energy automobiles. The hybrid electric vehicle is the most approximate mature product in the existing new energy automobile. The performance of the hybrid electric vehicle can exceed the performance of a traditional fuel automobile fuel automobile, but the electric quantity of the battery becomes a bottleneck affecting the development of the battery, so that the fuel automobile cannot be completely replaced.

In the development and research of solar automobiles, people have taken a large progress. In recent years, the solar energy collection conversion technology is studied, and the solar energy absorption utilization rate is effectively improved, and the solar energy absorption utilization rate is effectively improved. The effective absorption and utilization conditions of the vehicle body glass of the solar automobile on the solar energy affect the overall performance of the automobile to a great extent, and the overall performance of the automobile is influenced to a great extent. To this end, people attempt to use a bendable low-emissivity coated glass frit — a glass film on a solar automobile and.... Solar thin-film battery is used for improving solar energy absorption efficiency, in addition, a certain effect is achieved.

Therefore, better energy-saving and environment-friendly solar hybrid electric vehicles can be provided for the market by means of technology updating.

SUMMARY OF THE INVENTION

The invention aims to overcome the defects in the prior art, and provides a solar hybrid electric vehicle

In order to achieve the aim of the invention, the invention adopts the following technical scheme:

The solar hybrid power automobile comprises an automobile body, a solar energy collecting system, a solar energy collecting system, a solar energy collecting system, a solar energy collecting system, a solar energy collecting system, a solar energy collecting system, a solar, a vehicle body energy configuration system,

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▸ All language pairs

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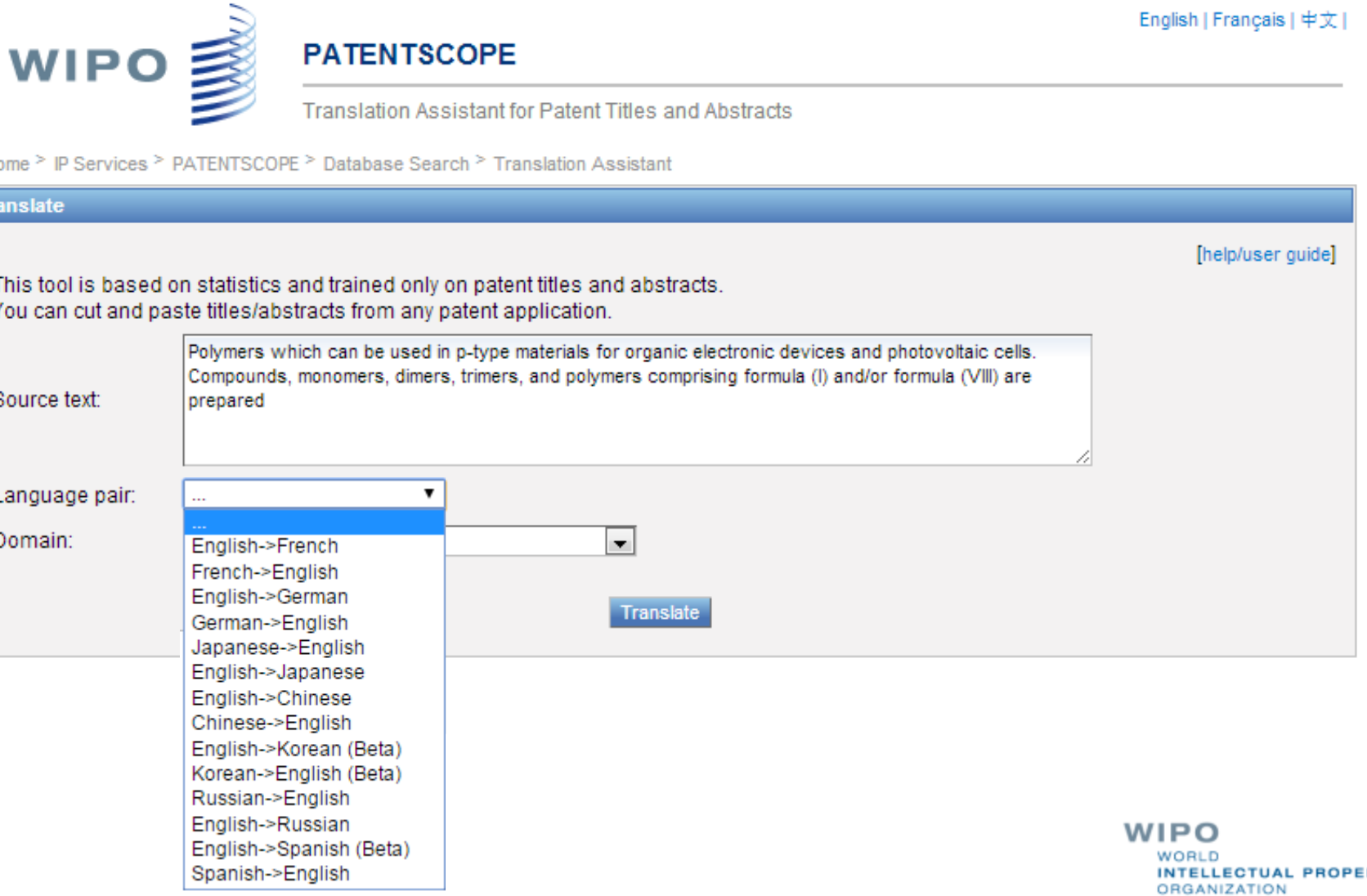

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Translation Assistant for Patent Titles and Abstracts

Translate

[help/user guide]

This tool is based on statistics and trained only on patent titles and abstracts.
You can cut and paste titles/abstracts from any patent application.

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

Language pair: ...

Domain: [automatic detection]

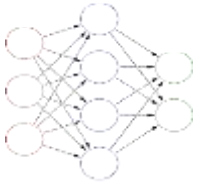
- [automatic detection]
- ADMN-Admin, Business, Management & Soc Sci
- AERO-Aeronautics & Aerospace Engineering
- AGRI-Agriculture, Fisheries & Forestry
- AUDV-Audio, Audiovisual, Image & Video Tech
- AUTO-Automotive & Road Vehicle Engineering
- BLDG-Civil Engineering & Building Construction
- CHEM-Chemical & Materials Technology
- DATA-Computer Sci, Telecom & Broadcasting
- ELEC-Electrical Engineering & Electronics
- ENGY-Energy, Fuels & Heat Transfer Eng
- ENVR-Environmental & Safety Engineering
- FOOD-Foods & Food Technology
- GENR-Generalities, Language, Media & Info Sci
- HOME-Home Contents & Household Maintenance
- HORO-Precision Mechanics, Jewelry & Horology
- MANU-Manufacturing & Materials Handling Tech
- MARI-Marine Engineering
- MEAS-Standards, Units, Metrology & Testing
- MECH-Mechanical Engineering

anslate

Neural Machine Translation

- NMT replaces SMT
- Pilot system put in production in October 2016 on PATENTSCOPE for the ZH⇔EN language pairs
- Sixteen language pairs now in operation
- NMT: better translation quality, better fluency, especially for “distant” language pairs

Why is NMT different? (Phrase-based vs Neural-net)



发明公布了一种通过在不同位置摆放现实物体来演奏音乐的娱乐装置

one kind of by-this-mean

by/for

of

发明公布 invention discloses

不同位置摆放现实物体 different location placing real object

演奏音乐 play music

娱乐装置 entertainment device

PBSMT (previous WIPO translate)

invention discloses	a by	placing a real object	at a	different location	to	play a music	entertainment device

发明公布 invention discloses

不同位置摆放现实物体 different location placing real object

演奏音乐 play music

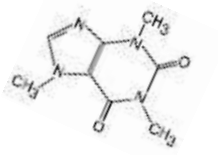
娱乐装置 entertainment device

NMT (new WIPO translate)

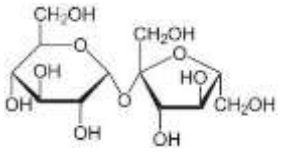
the	invention discloses	an	entertainment device	for	playing music	by	placing real objects	at	different position

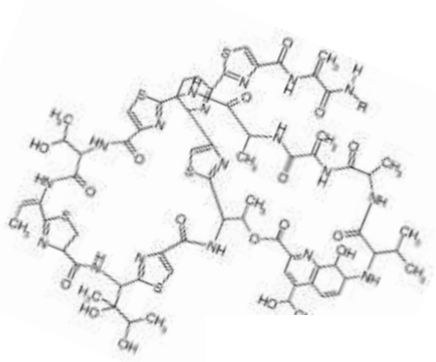
Chemical Compound Search

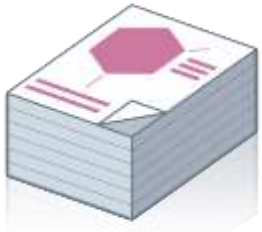
Principle:



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



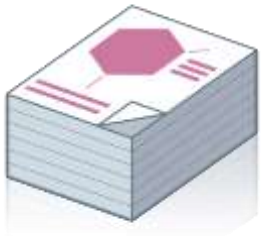




PATENTSCOPE Documents

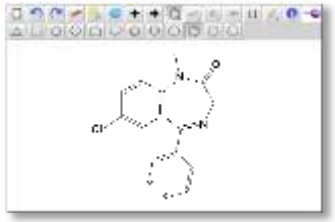
(…) At the moment the surgical procedure starts, benzodiazepin, e.g. diazepam, is administered in a dose of no more than 5 mg. (…)

IC ANNOTATOR

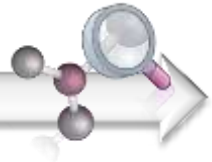


Enriched PATENTSCOPE Documents

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



AAOVKJBEBIDNH
E-UHFFFAOYSA-N



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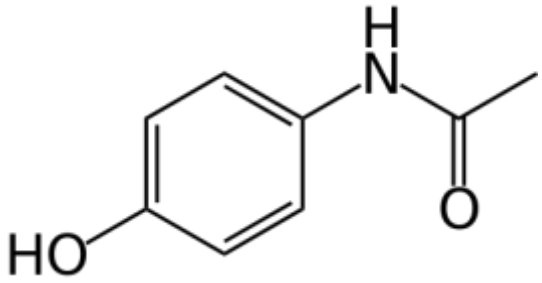
Example: Panadol®

(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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- Advanced Search
- Field Combination
- Cross Lingual Expansion
- Chemical compounds

on patent documents including 3.1 million published international patent applications (PCT). Detailed coverage

Front Page

Office: All Search

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

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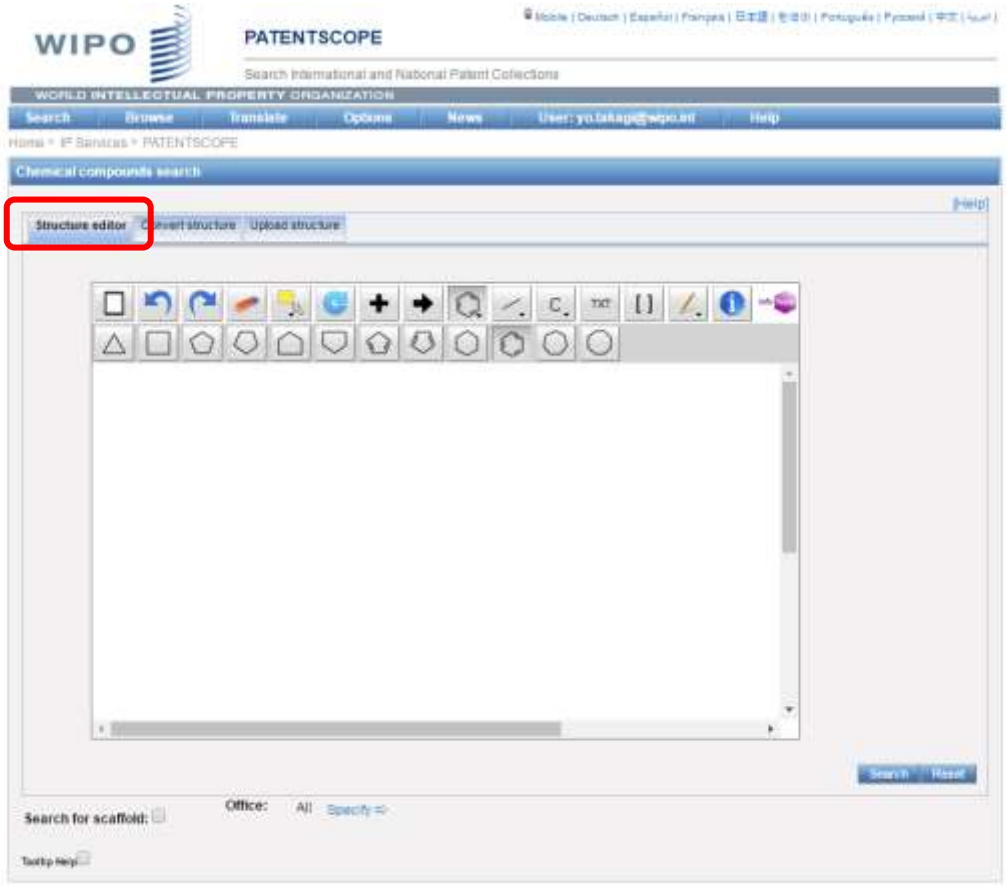

Draw or edit:

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

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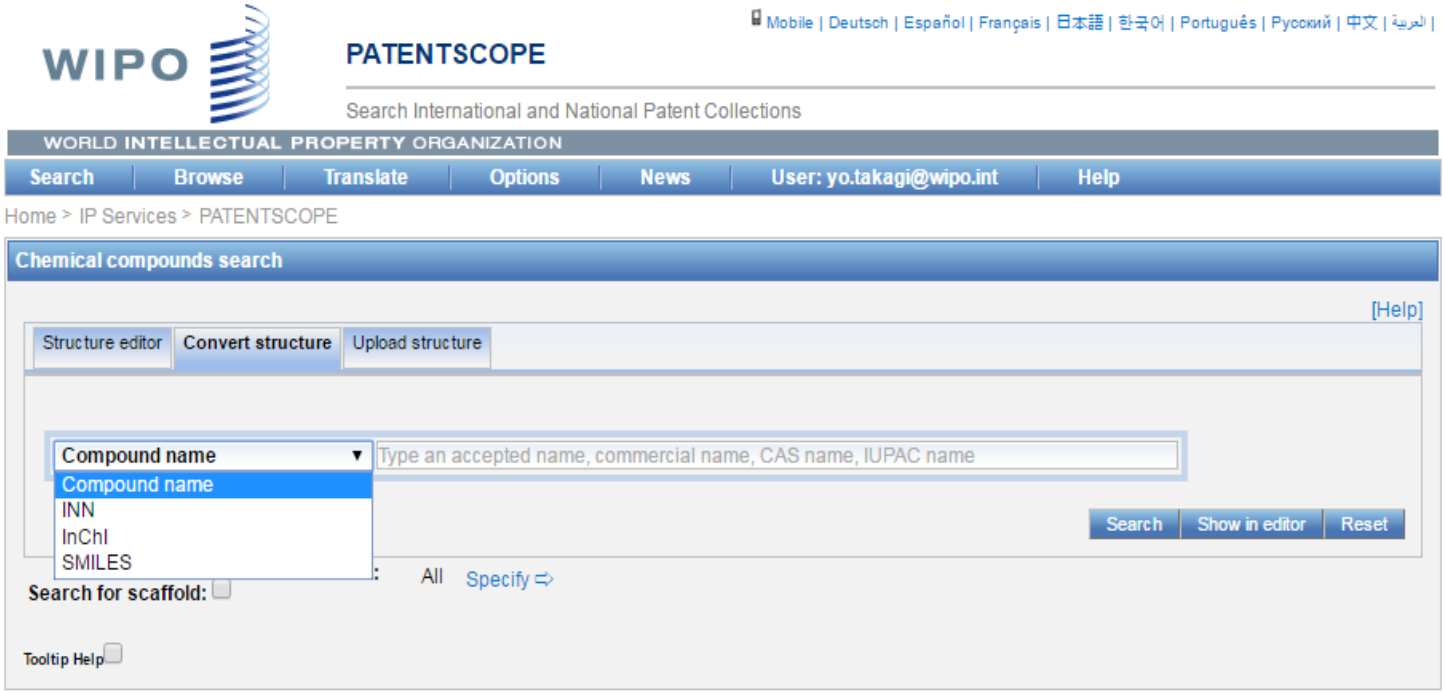
Convert Structure



- 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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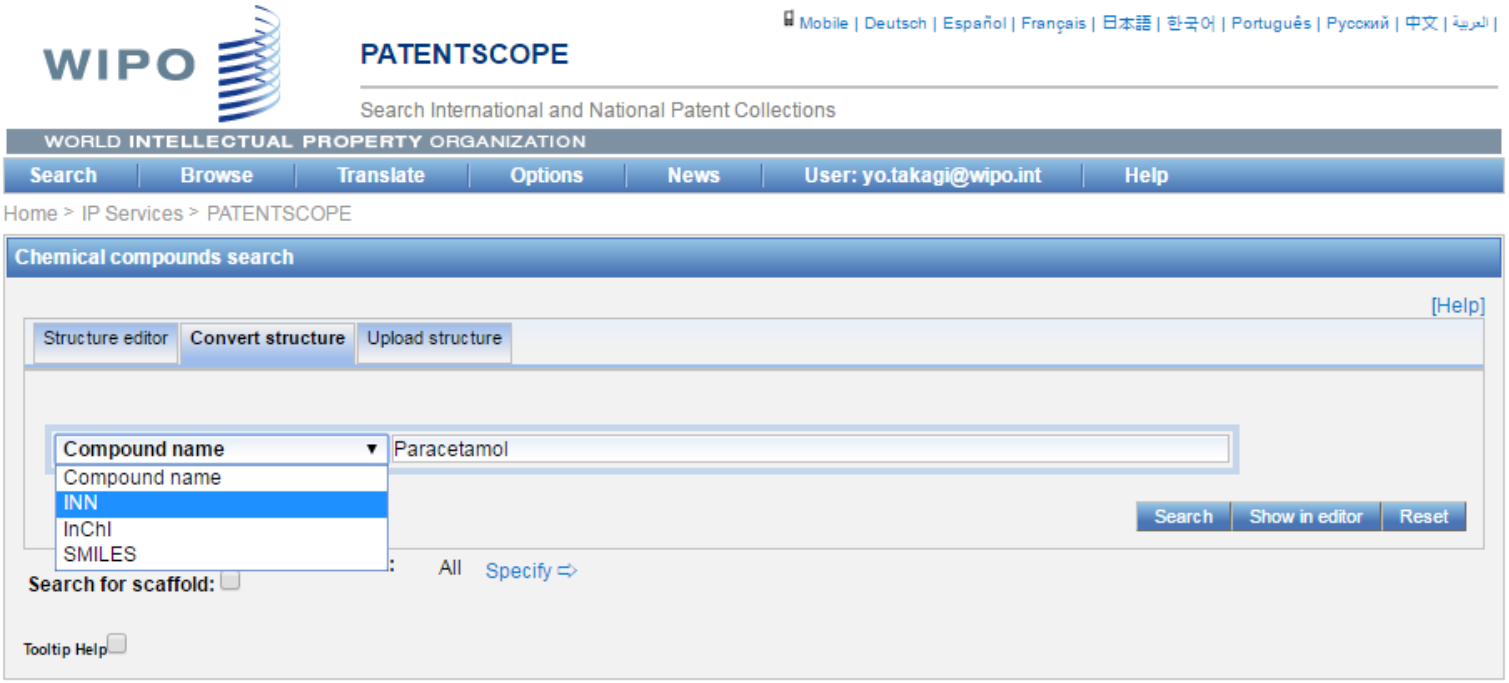
Example: Panadol (Paracetamol)



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

Refine Search CHEM:(RZVAJINKPMORJF-UHFFFAOYSA-N) Search

Instant Help

Analysis

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

Int.Class	Appl.No	Applicant	Ctr	PubDate / Inventor
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)

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)

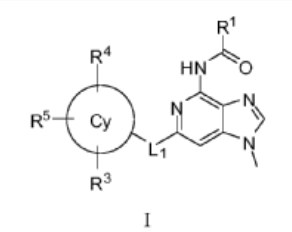
Priority Data:

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 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.



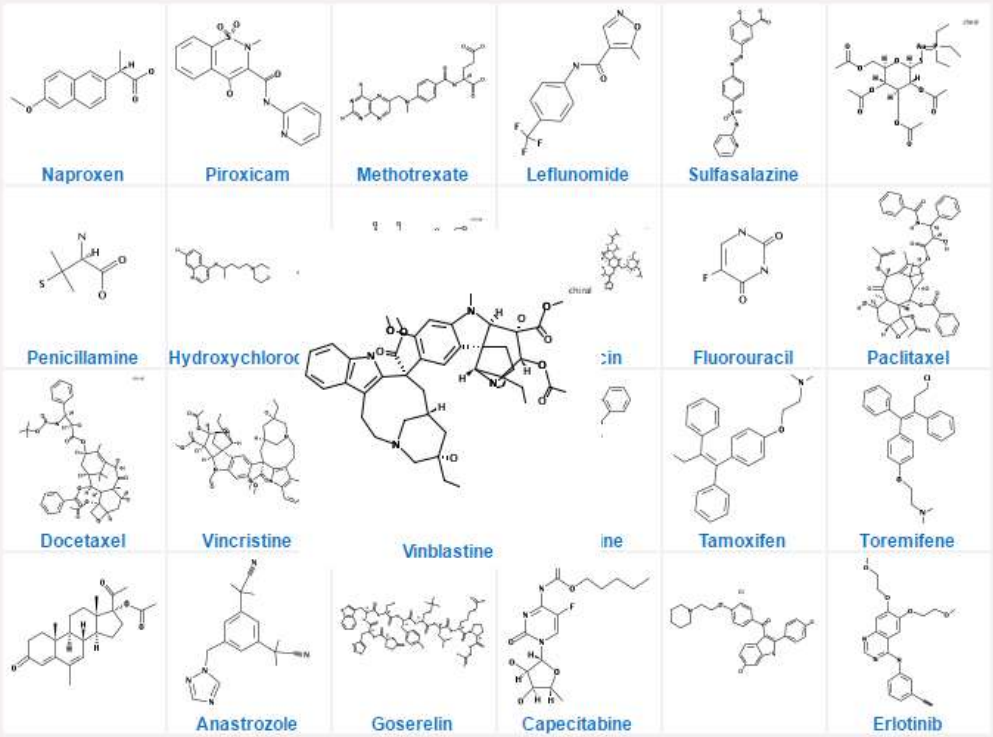
I

(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.

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



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.

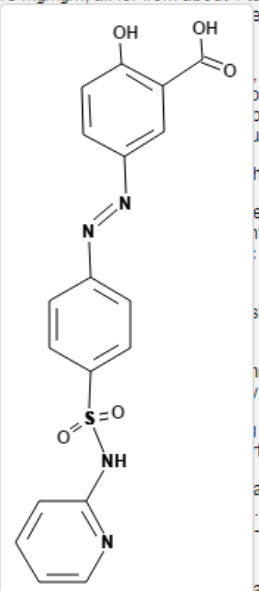
[0211] When used to prevent the onset of a condition, a compound of ed to a patient at risk for developing the condition, typically on the advice and under the supervision of a physician, at the dosag nts at risk for developing a particular condition generally include those that have a family history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

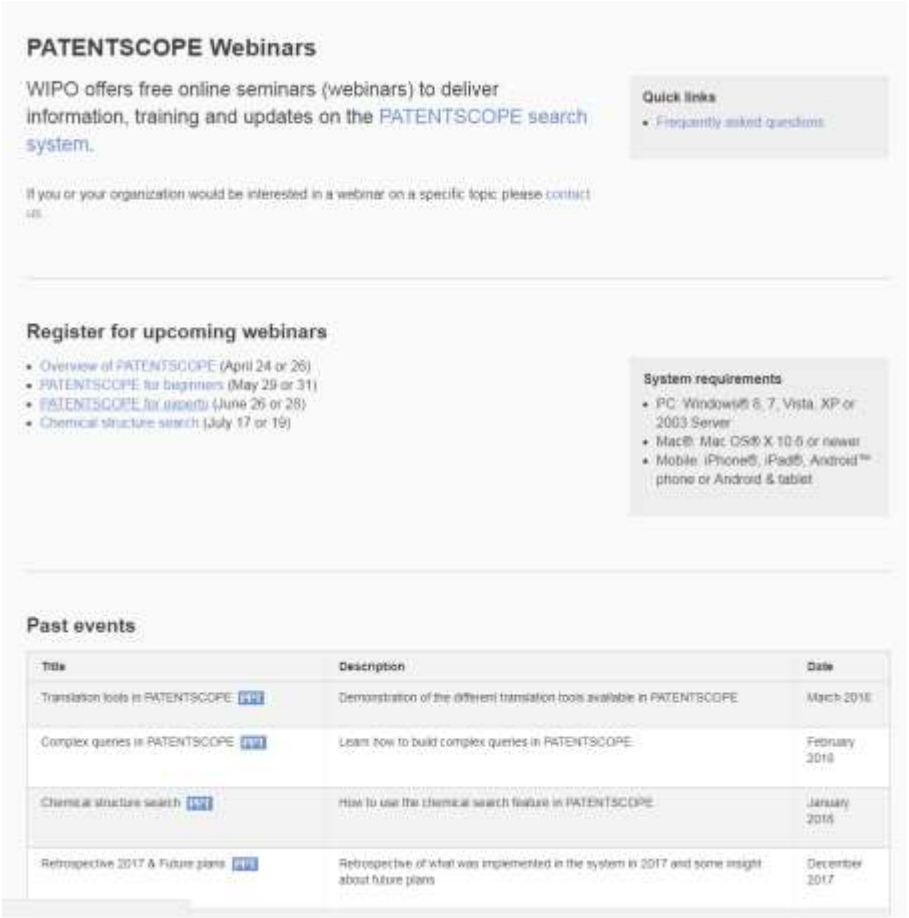
[0218] In one embodiment, a compound of the invention is co-administered with another therapeutic agent for the treatment and/or prophylaxis of transplantation rejection, particular agents include but are not limited to: calcineurin inhibitors (e.g. cyclosporin or tacrolimus (FK506)), mTOR inhibitors (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,

PATENTSCOPE: Learning Resources

Video tutorials

Webinars



PATENTSCOPE Webinars

WIPO offers free online seminars (webinars) to deliver information, training and updates on the PATENTSCOPE search system.

If you or your organization would be interested in a webinar on a specific topic please contact us.

Quick links
- Frequently asked questions

Register for upcoming webinars

- Overview of PATENTSCOPE (April 24 or 26)
- PATENTSCOPE for beginners (May 29 or 31)
- PATENTSCOPE for experts (June 26 or 28)
- Chemical structure search (July 17 or 19)

System requirements
- PC: Windows® 8, 7, Vista, XP or 2003 Server
- Mac®: Mac OS® X 10.6 or newer
- Mobile: iPhone®, iPad®, Android™ phone or Android & tablet

Past events

Title	Description	Date
Translation tools in PATENTSCOPE EN/FR	Demonstration of the different translation tools available in PATENTSCOPE	March 2018
Complex queries in PATENTSCOPE EN/FR	Learn how to build complex queries in PATENTSCOPE	February 2018
Chemical structure search EN/FR	How to use the chemical search feature in PATENTSCOPE	January 2018
Retrospective 2017 & Future plans EN/FR	Retrospective of what was implemented in the system in 2017 and some insight about future plans	December 2017

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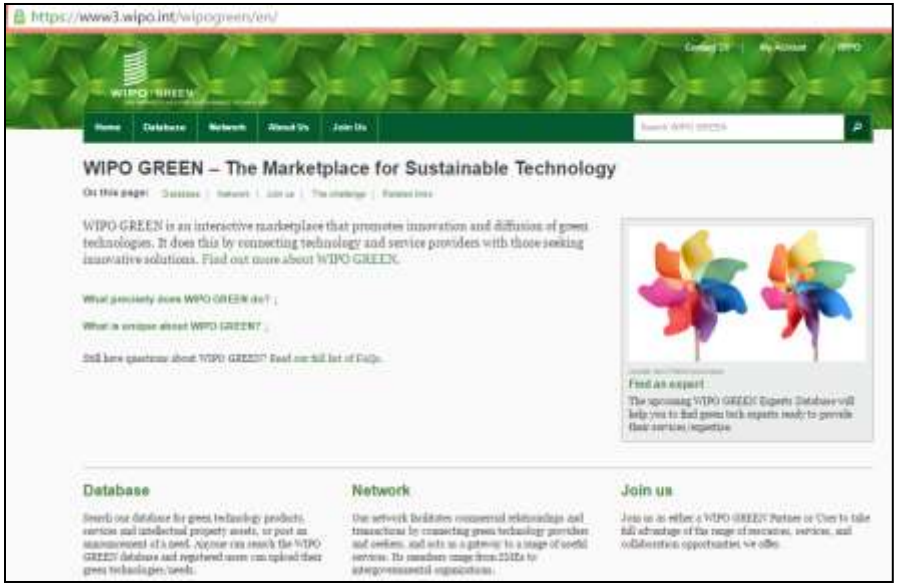
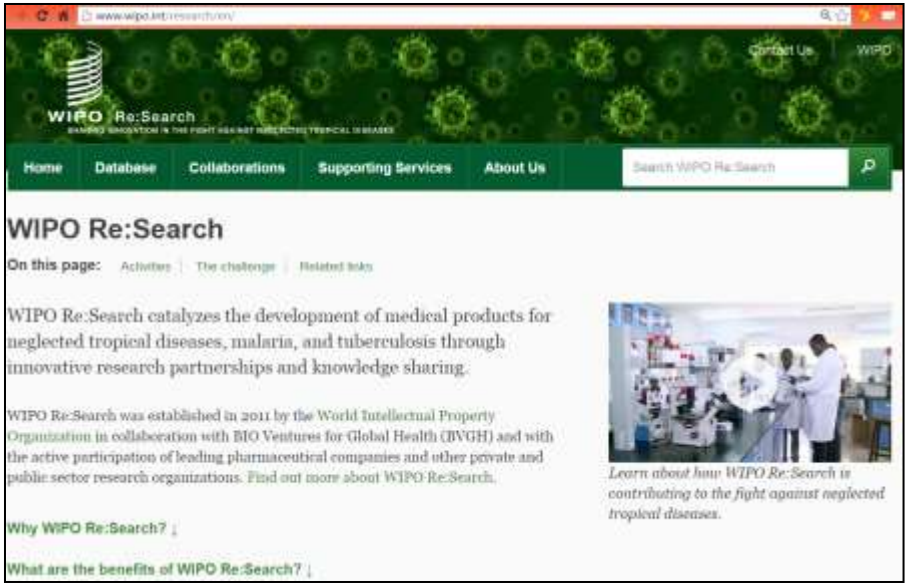
Multi-stakeholder Platforms

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 technology stakeholders
- Grouped in 9 technology areas

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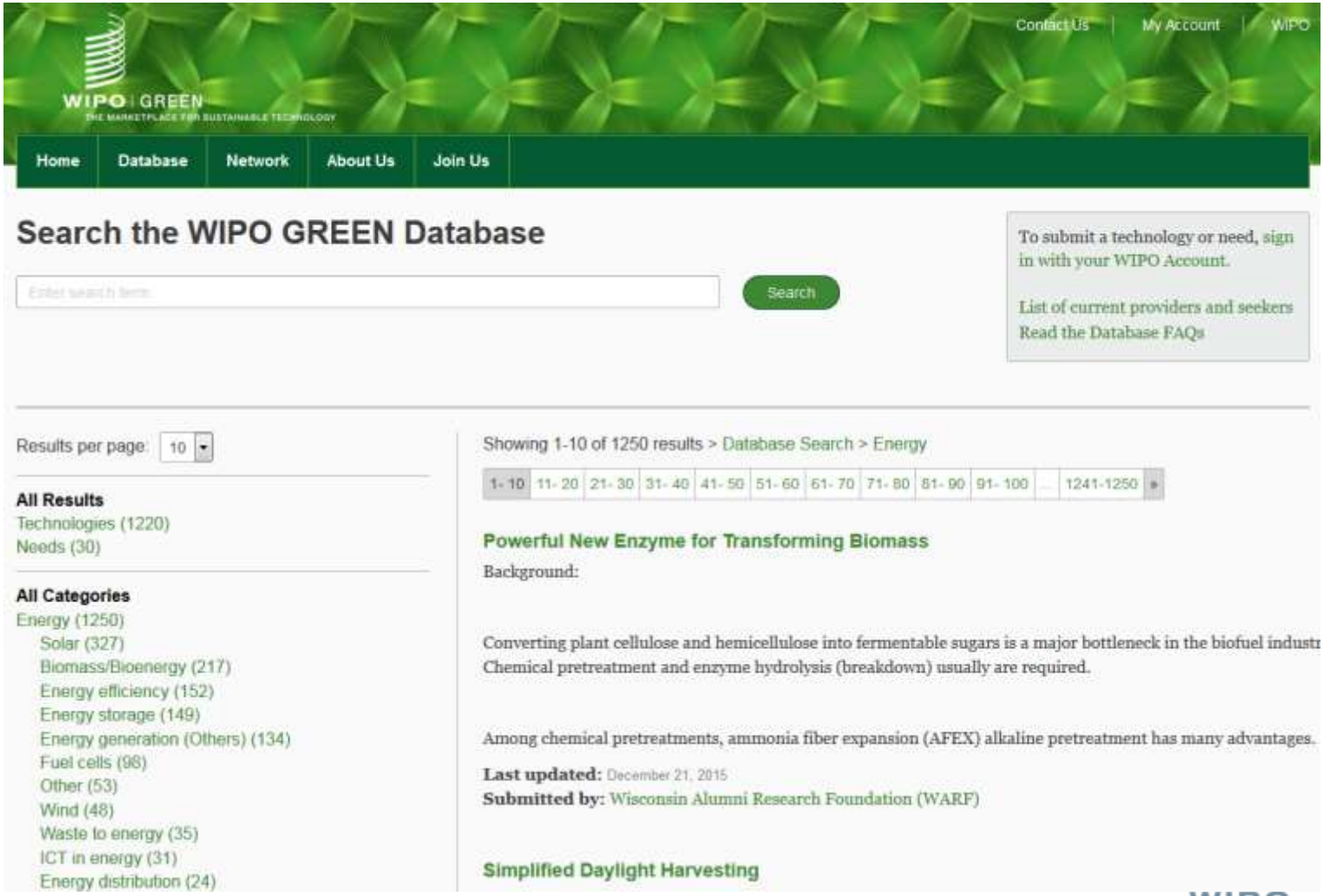
WIPO Green example: Energy



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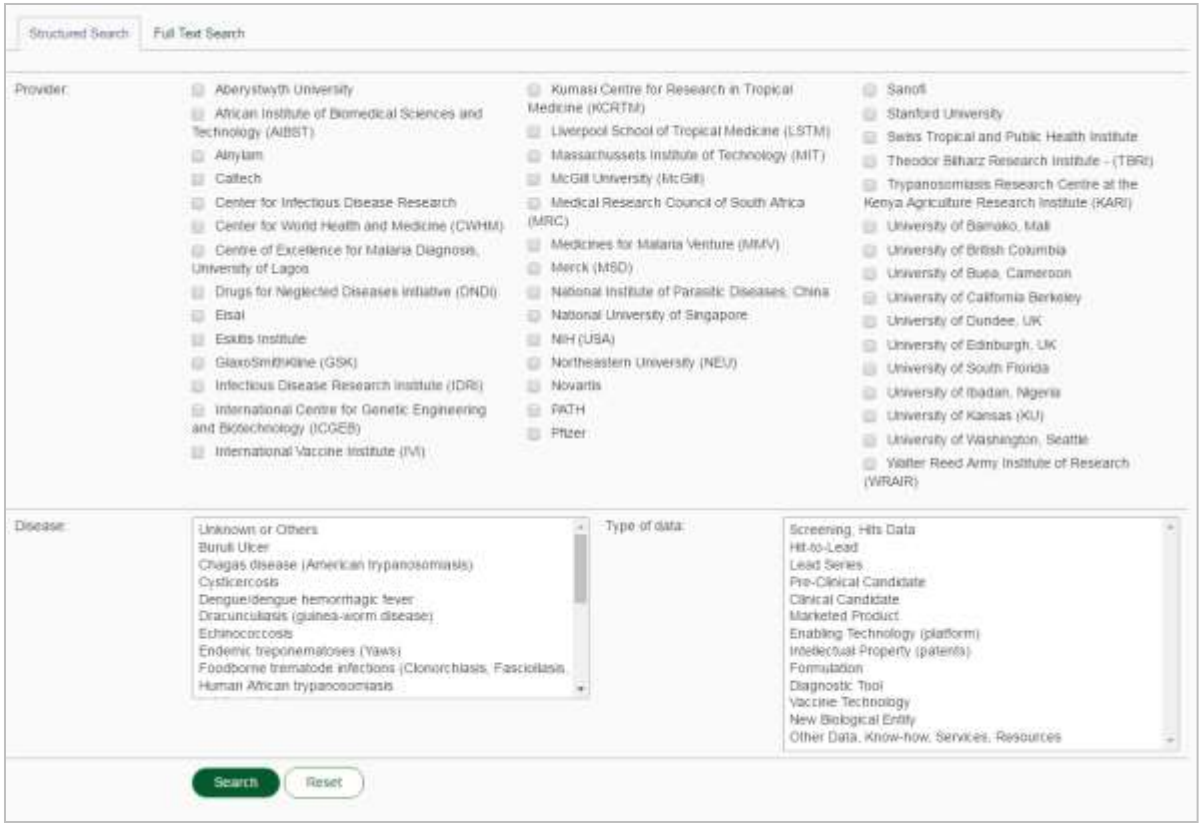
WIPO Re:Search

- 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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Thank you!

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