



**WIPO**

WORLD  
INTELLECTUAL PROPERTY  
ORGANIZATION

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

**New Zealand  
April 8-11, 2019**

# Introduction to WIPO



Erik Wilbers

Senior Director


WIPO Arbitration and Mediation Center



# Who we are

- International organization
- Established in 1967
- 191 member states
- 1200 staff from 120 countries
- 26 treaties

# Where we are

A world map with a blue background and white outlines of continents. The map is overlaid with a faint, repeating pattern of binary code (0s and 1s). Several locations are labeled with text. The labels are: 'New York' (North America), 'Geneva HQ' (Europe), 'Brazil' (South America), 'Algeria' (Africa), 'Nigeria' (Africa), 'Russia' (Russia), 'China' (East Asia), 'Japan' (East Asia), and 'Singapore' (Southeast Asia). The labels for 'Algeria' and 'Nigeria' are in yellow, while the others are in white.

New York

Geneva HQ

Russia

China

Japan

Algeria

Nigeria

Brazil

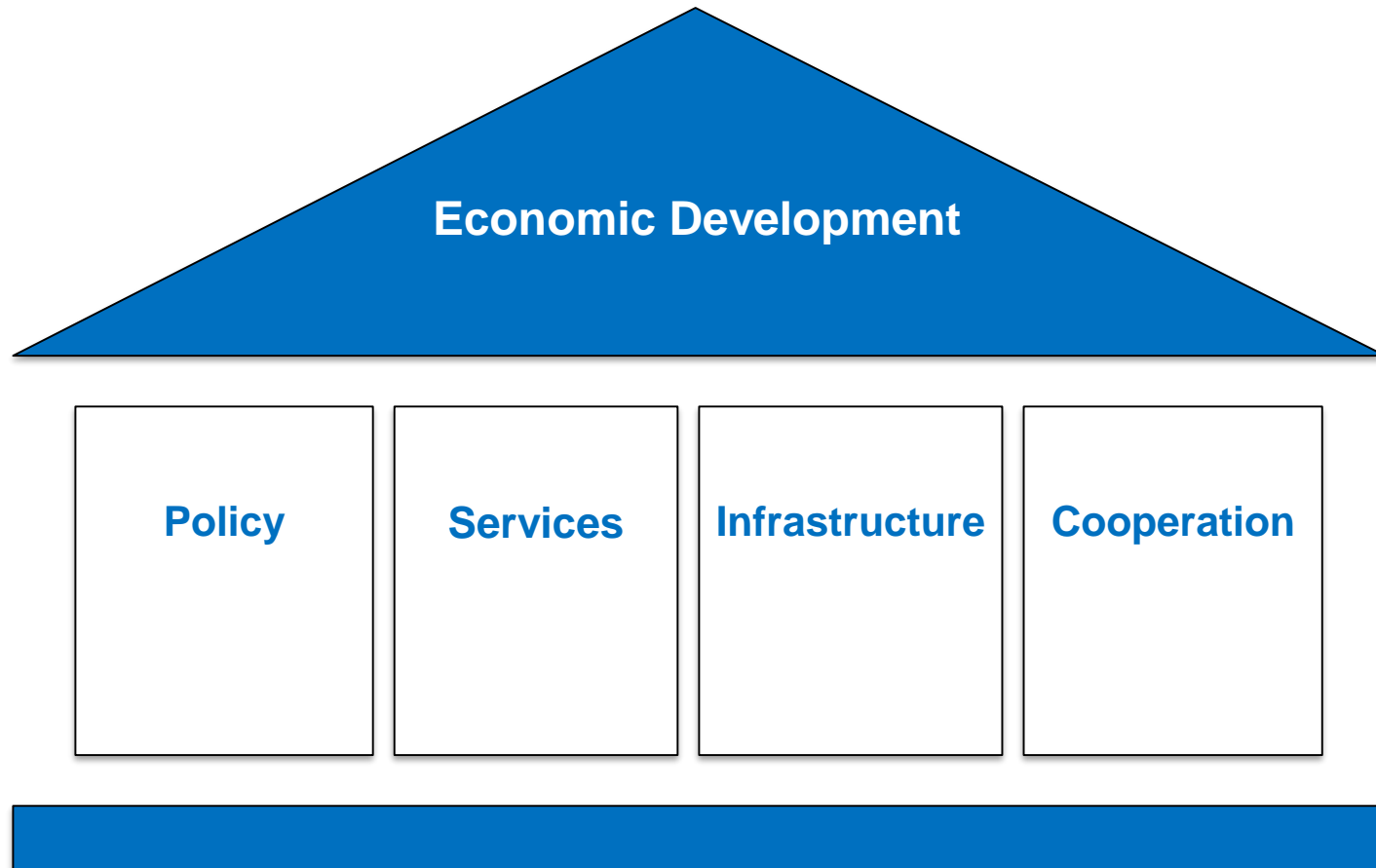
Singapore

**WIPO Offices**



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

# How we do it

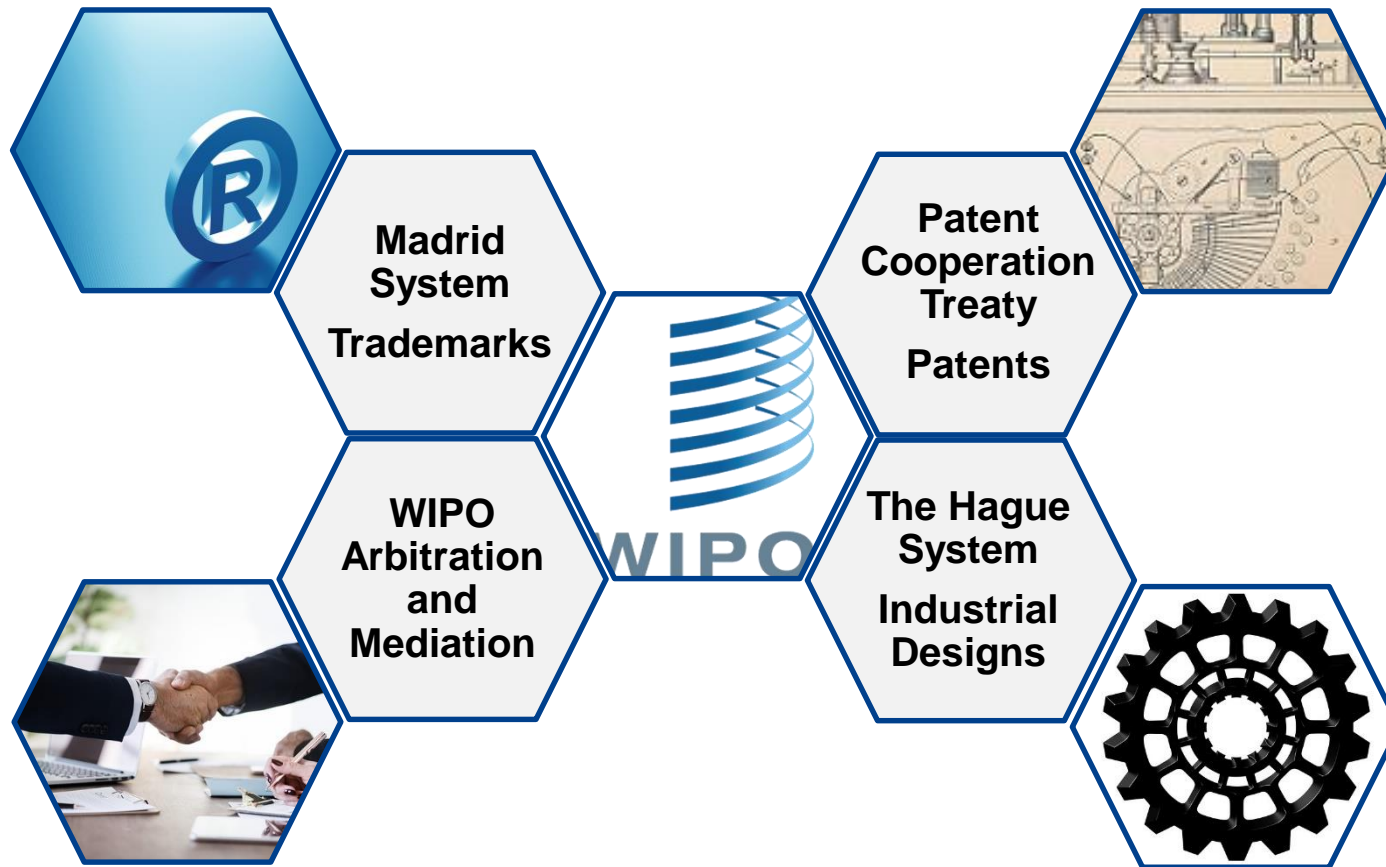


# Policy

## Marrakesh Treaty for Visually Impaired Persons (2013)



# Global IP Services





# Global IP Infrastructure

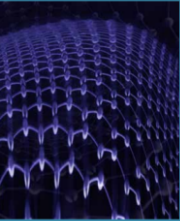


- Standards and classification
- Global databases
- Use of patent information
- Modernization of IP rights administration
- Artificial intelligence and new technologies

# World Intellectual Property Report

Breakthrough Innovation and Economic Growth

Economics & Statistics Series



## Patent Cooperation Treaty Yearly Review

The International Patent System

Economics & Statistics Series

2015



## World Intellectual Property Indicators 2017



## WIPO IP Facts and Figures

Economics & Statistics Series

2014



WIPO  
Technology Trends 2019

# Artificial Intelligence



# GLOBAL INNOVATION INDEX 2018

Energizing the World with Innovation



Output rank	Input rank	Income	Region	Efficiency ratio	Population (mn)	GDP, PPP\$	GDP per capita, PPP\$	GI 2017 rank
30	15	High	SEAO	59	4.7	185.7	38,933.8	21

	Score/Value	Rank
<b>8</b> <b>Institutions</b> .....	<b>92.7</b>	<b>4</b> ●●
1.1 Political environment.....	93.9	3 ●●●
1.1.1 Political stability & safety*.....	99.1	2 ●●●
1.1.2 Government effectiveness*.....	91.3	6 ●●●
1.2 Regulatory environment.....	98.3	2 ●●●
1.2.1 Regulatory quality*.....	96.4	3 ●●●
1.2.2 Rule of law*.....	96.8	5 ●●●
1.2.3 Cost of redundancy dismissal, salary weeks.....	8.0	1 ●●●
1.3 Business environment.....	85.9	17
1.3.1 Ease of starting a business*.....	100.0	1 ●●●
1.3.2 Ease of resolving insolvency*.....	71.9	30 ●
<b>4b</b> <b>Human capital &amp; research</b> .....	<b>54.3</b>	<b>15</b>
2.1 Education.....	61.2	17
2.1.1 Expenditure on education, % GDP.....	6.3	17
2.1.2 Government funding/pupil, secondary, % GDP/cap.....	217	44
2.1.3 School life expectancy, years.....	18.9	7 ●●
2.1.4 PISA scales in reading, maths & science.....	505.9	14
2.1.5 Pupil-teacher ratio, secondary <sup>ⓐ</sup> .....	13.8	59 ○
2.2 Tertiary education.....	56.2	11
2.2.1 Tertiary enrolment, % gross.....	81.8	14
2.2.2 Graduates in science & engineering, %.....	19.9	61 ○
2.2.3 Tertiary inbound mobility, %.....	19.8	1 ●●●
2.3 Research & development (R&D).....	45.5	22 ◇
2.3.1 Researchers, FTE/mn pop. <sup>ⓑ</sup> .....	4,052.4	22
2.3.2 Gross expenditure on R&D, % GDP <sup>ⓑ</sup> .....	1.3	26 ◇
2.3.3 Global R&D companies, top 3, mn US\$.....	47.3	30
2.3.4 QS university ranking, average score top 3*.....	55.8	17
<b>5</b> <b>Infrastructure</b> .....	<b>59.4</b>	<b>22</b>
3.1 Information & communication technologies (ICTs).....	88.3	6 ●●
3.1.1 ICT access*.....	83.4	16
3.1.2 ICT use*.....	80.8	12
3.1.3 Government's online service*.....	94.2	5
3.1.4 E-participation*.....	94.9	5 ●●
3.2 General infrastructure.....	48.0	36
3.2.1 Electricity output, kWh/cap.....	9,381.4	15
3.2.2 Logistics performance*.....	61.3	36 ◇
3.2.3 Gross capital formation, % GDP.....	24.6	45
3.3 Ecological sustainability.....	41.8	51
3.3.1 GDP/unit of energy use.....	7.8	75 ○
3.3.2 Environmental performance*.....	76.0	17
3.3.3 ISO 14001 environmental certificates/bn PPP\$ GDP.....	1.7	53
<b>4a</b> <b>Market sophistication</b> .....	<b>65.9</b>	<b>9</b>
4.1 Credit.....	80.8	3 ●●●
4.1.1 Ease of getting credit*.....	100.0	1 ●●●
4.1.2 Domestic credit to private sector, % GDP <sup>ⓑ</sup> .....	142.3	13
4.1.3 Microfinance gross loans, % GDP.....	n/a	n/a
4.2 Investment.....	50.1	36
4.2.1 Ease of protecting minority investors*.....	81.7	2 ●●●
4.2.2 Market capitalization, % GDP.....	40.9	36 ◇
4.2.3 Venture capital deals/bn PPP\$ GDP.....	0.1	25
4.3 Trade, competition, & market scale.....	66.8	44
4.3.1 Applied tariff rate, weighted mean, %.....	1.3	15
4.3.2 Intensity of local competition*.....	72.7	42
4.3.3 Domestic market scale, bn PPP\$.....	185.7	61
<b>5a</b> <b>Business sophistication</b> .....	<b>44.8</b>	<b>27</b> ◇
5.1 Knowledge workers.....	55.7	27 ◇
5.1.1 Knowledge-intensive employment, % <sup>ⓑ</sup> .....	42.9	19
5.1.2 Firms offering formal training, % firms.....	n/a	n/a
5.1.3 GERD performed by business, % GDP <sup>ⓑ</sup> .....	0.6	32 ◇
5.1.4 GERD financed by business, %.....	43.1	34
5.1.5 Females employed w/advanced degrees, % <sup>ⓑ</sup> .....	19.5	26
5.2 Innovation linkages.....	41.1	32
5.2.1 University/industry research collaboration*.....	63.9	16
5.2.2 State of cluster development*.....	51.4	43 ◇
5.2.3 GERD financed by abroad, %.....	8.2	46
5.2.4 JV-strategic alliance deals/bn PPP\$ GDP.....	0.1	13
5.2.5 Patent families 2+ offices/bn PPP\$ GDP.....	2.6	16
5.3 Knowledge absorption.....	37.5	36
5.3.1 Intellectual property payments, % total trade.....	1.8	14
5.3.2 High-tech net imports, % total trade.....	11.1	29
5.3.3 ICT services imports, % total trade.....	1.6	38
5.3.4 FDI net inflows, % GDP.....	0.9	109 ○
5.3.5 Research talent, % in business enterprise <sup>ⓑ</sup> .....	36.9	35 ◇
<b>6</b> <b>Knowledge &amp; technology outputs</b> .....	<b>32.1</b>	<b>37</b> ◇
6.1 Knowledge creation.....	41.2	20
6.1.1 Patents by origin/bn PPP\$ GDP.....	6.1	20
6.1.2 PCT patents by origin/bn PPP\$ GDP.....	1.5	23 ◇
6.1.3 Utility models by origin/bn PPP\$ GDP.....	n/a	n/a
6.1.4 Scientific & technical articles/bn PPP\$ GDP.....	29.3	10
6.1.5 Citable documents H index.....	33.4	27
6.2 Knowledge impact.....	38.3	55 ◇
6.2.1 Growth rate of PPP\$ GDP/worker, %.....	(0.6)	94 ○◇
6.2.2 New businesses/th pop. 15-64.....	14.5	9
6.2.3 Computer software spending, % GDP.....	0.3	47
6.2.4 ISO 9001 quality certificates/bn PPP\$ GDP.....	6.3	53
6.2.5 High- & medium-high-tech manufactures, %.....	0.1	66 ○◇
6.3 Knowledge diffusion.....	16.8	81 ○◇
6.3.1 Intellectual property receipts, % total trade.....	0.6	23
6.3.2 High-tech net exports, % total trade.....	1.4	62 ○◇
6.3.3 ICT services exports, % total trade.....	1.3	74 ○
6.3.4 FDI net outflows, % GDP.....	0.1	101 ○◇
<b>7</b> <b>Creative outputs</b> .....	<b>46.2</b>	<b>18</b>
7.1 Intangible assets.....	56.3	21
7.1.1 Trademarks by origin/bn PPP\$ GDP.....	94.0	16
7.1.2 Industrial designs by origin/bn PPP\$ GDP.....	2.0	52
7.1.3 ICTs & business model creation*.....	76.7	16
7.1.4 ICTs & organizational model creation*.....	70.4	20
7.2 Creative goods & services.....	29.5	43 ◇
7.2.1 Cultural & creative services exports, % total trade <sup>ⓑ</sup> .....	0.3	39
7.2.2 National feature films/mn pop. 15-69.....	8.8	17
7.2.3 Entertainment & Media market/th pop. 15-69.....	59.5	10
7.2.4 Printing & other media, % manufacturing.....	1.8	19
7.2.5 Creative goods exports, % total trade.....	0.3	70 ○◇
7.3 Online creativity.....	42.9	16
7.3.1 Generic top-level domains (TLDs)/th pop. 15-69.....	33.0	20
7.3.2 Country-code TLDs/th pop. 15-69.....	62.8	10
7.3.3 Wikipedia edits/mn pop. 15-69.....	59.7	16
7.3.4 Mobile app creation/bn PPP\$ GDP.....	35.8	20

# Stay in touch

Twitter  
[@wipo](https://twitter.com/wipo)

WIPO Magazine  
[www.wipo.int/wipo\\_magazine/en/](http://www.wipo.int/wipo_magazine/en/)

WIPO Wire  
[www.wipo.int/newsletters/en](http://www.wipo.int/newsletters/en)





[erik.wilbers@wipo.int](mailto:erik.wilbers@wipo.int)

**WIPO**  
WORLD  
INTELLECTUAL PROPERTY  
ORGANIZATION





# The Patent Cooperation Treaty: Challenges and Successful Examples



Matthew Bryan  
Director  
PCT Legal and User Relations Division  
Patents and Technology Sector, WIPO

New Zealand  
April 2019

**WIPO | PCT**  
The International  
Patent System

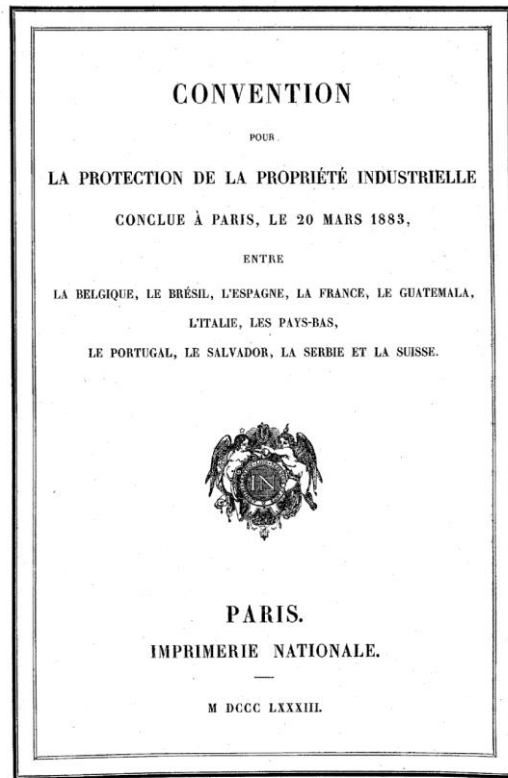
# Brief PCT Basics

# Context

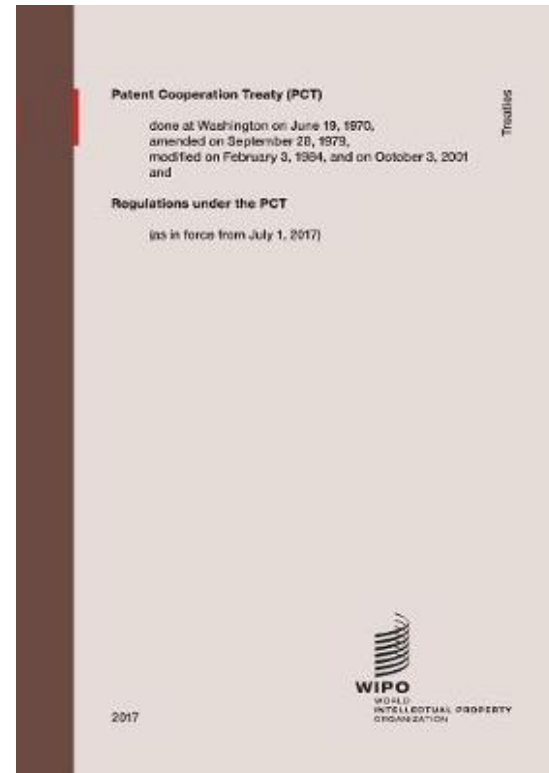
- Inventions
- Protecting inventions via the patent system
- Desire to at least investigate the possibility of obtaining patent protection for inventions in more than one country

# Two routes for seeking multinational patent protection

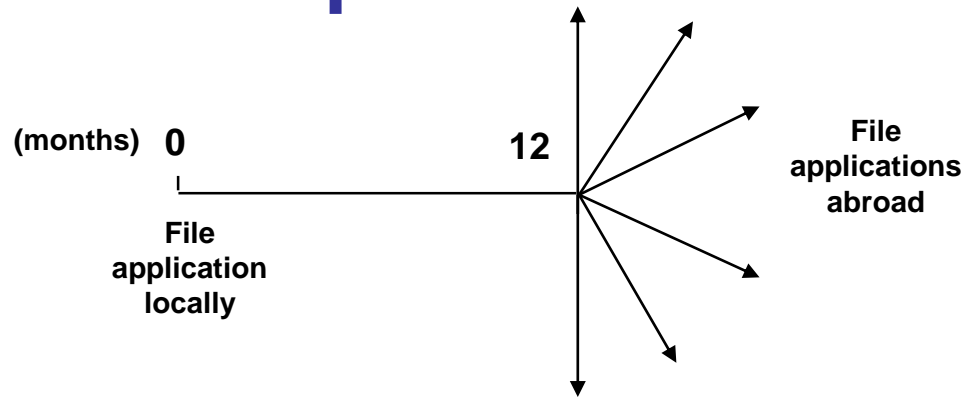
## Paris Convention



## Patent Cooperation Treaty (PCT)



# Using the traditional patent system (Paris Convention) to seek multinational patent protection



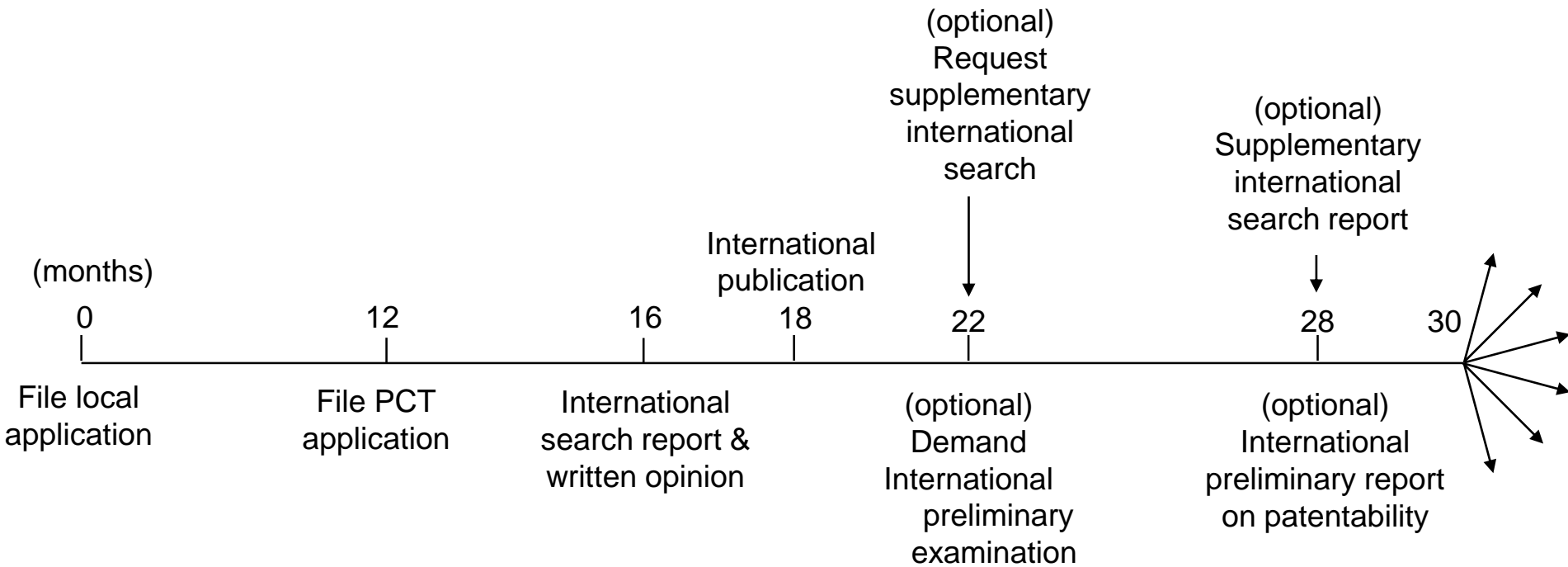
**Local patent application followed within 12 months by multiple foreign applications claiming priority under the Paris Convention:**

- multiple formality requirements
- multiple searches
- multiple publications
- multiple examinations and prosecutions of applications
- translations and national fees required at 12 months

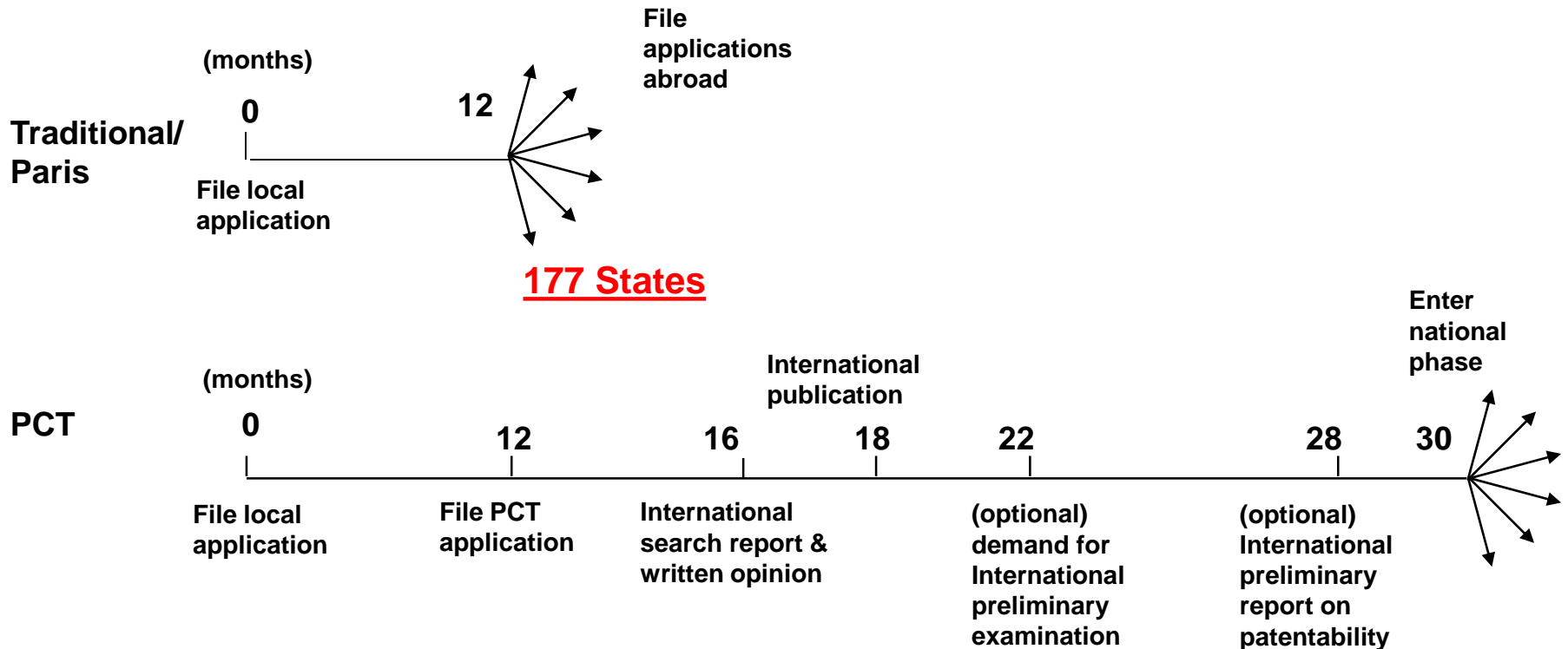
**Some rationalization because of regional arrangements:**

**ARIPO, EAPO, EPO, OAPI**

# The PCT System

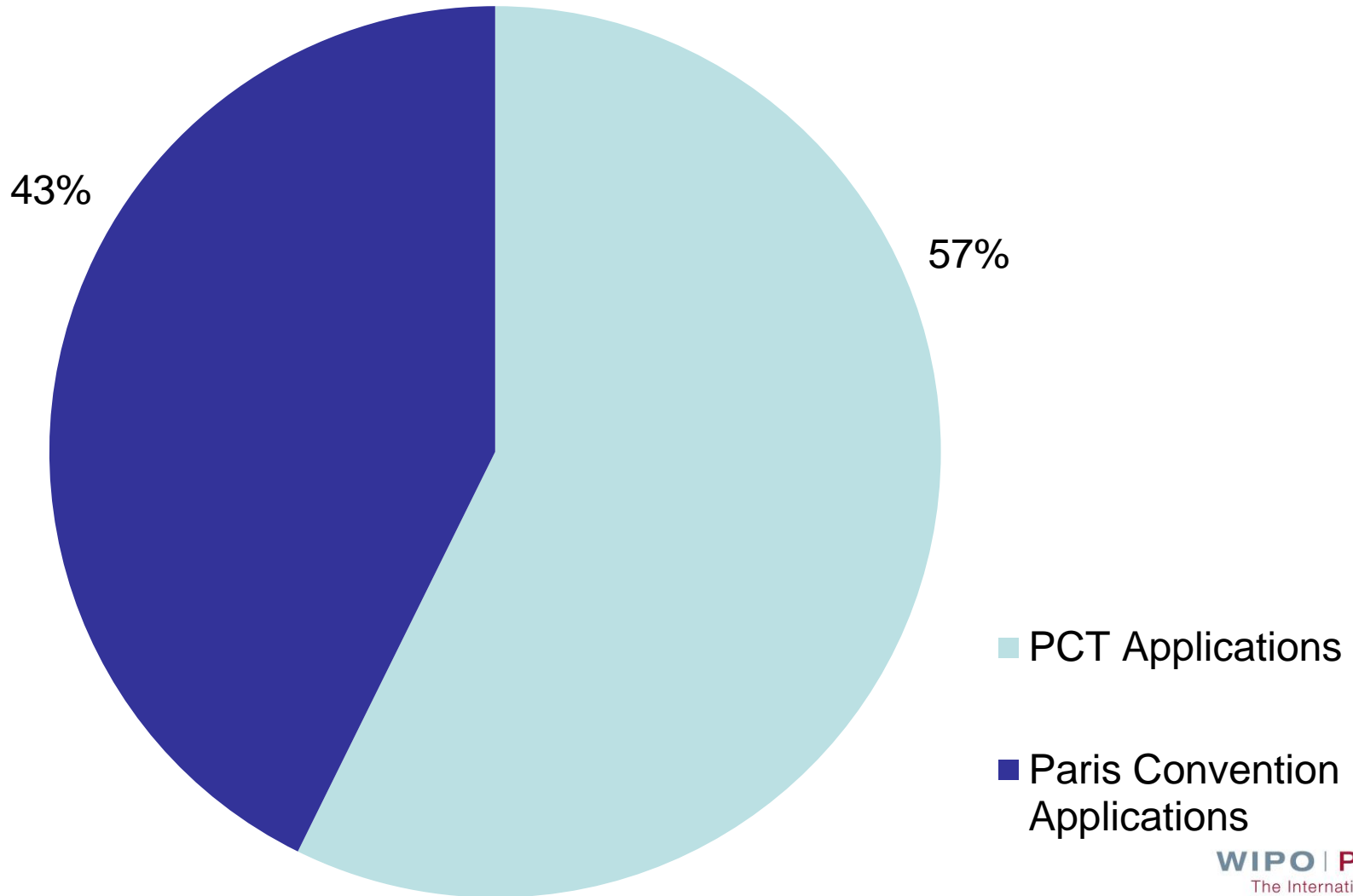


# Seeking patents multinationally: traditional patent system vs. PCT system





# The PCT has overtaken the Paris Convention

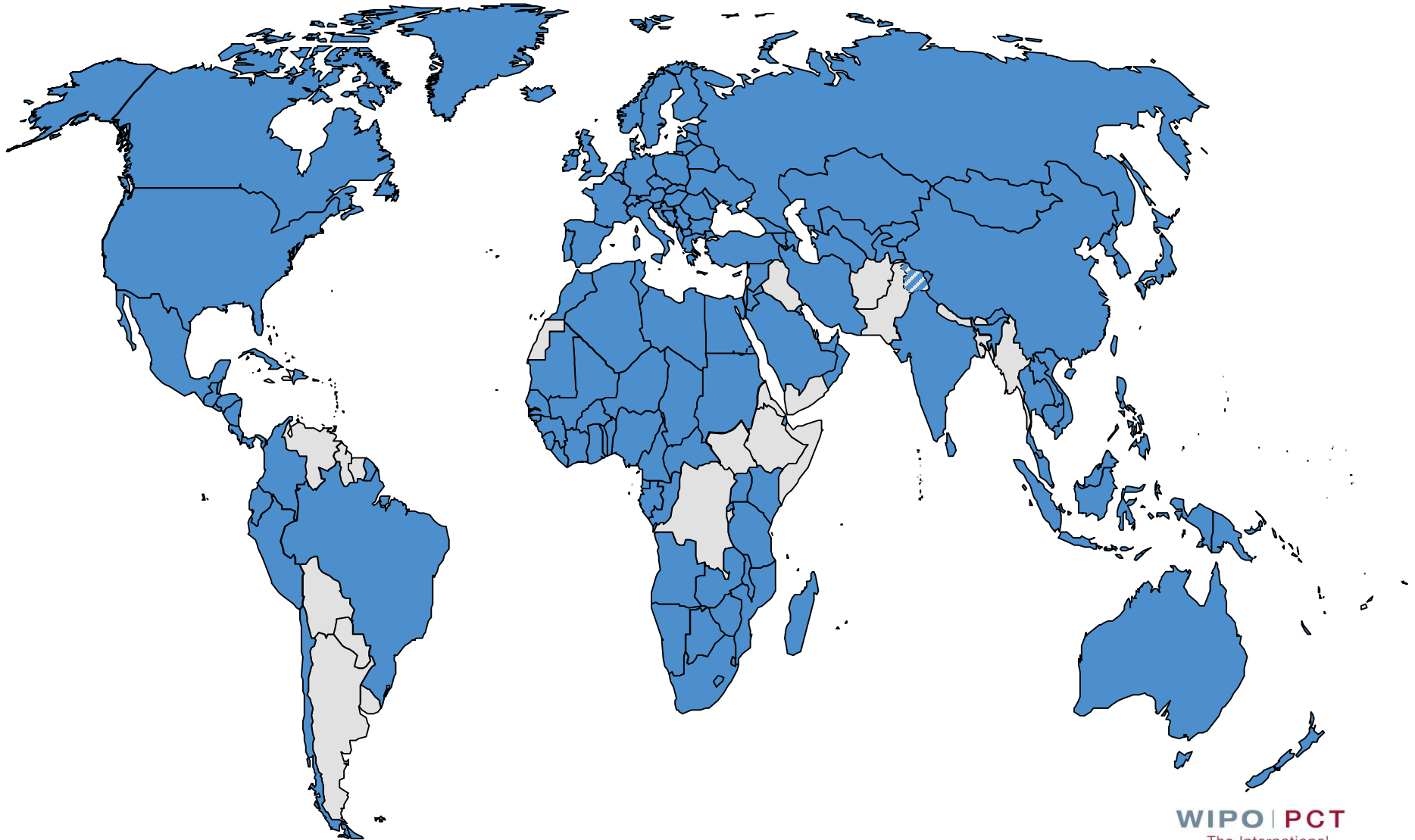


# Certain PCT Advantages

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

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

# PCT Coverage Today



# 152 PCT States



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

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

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

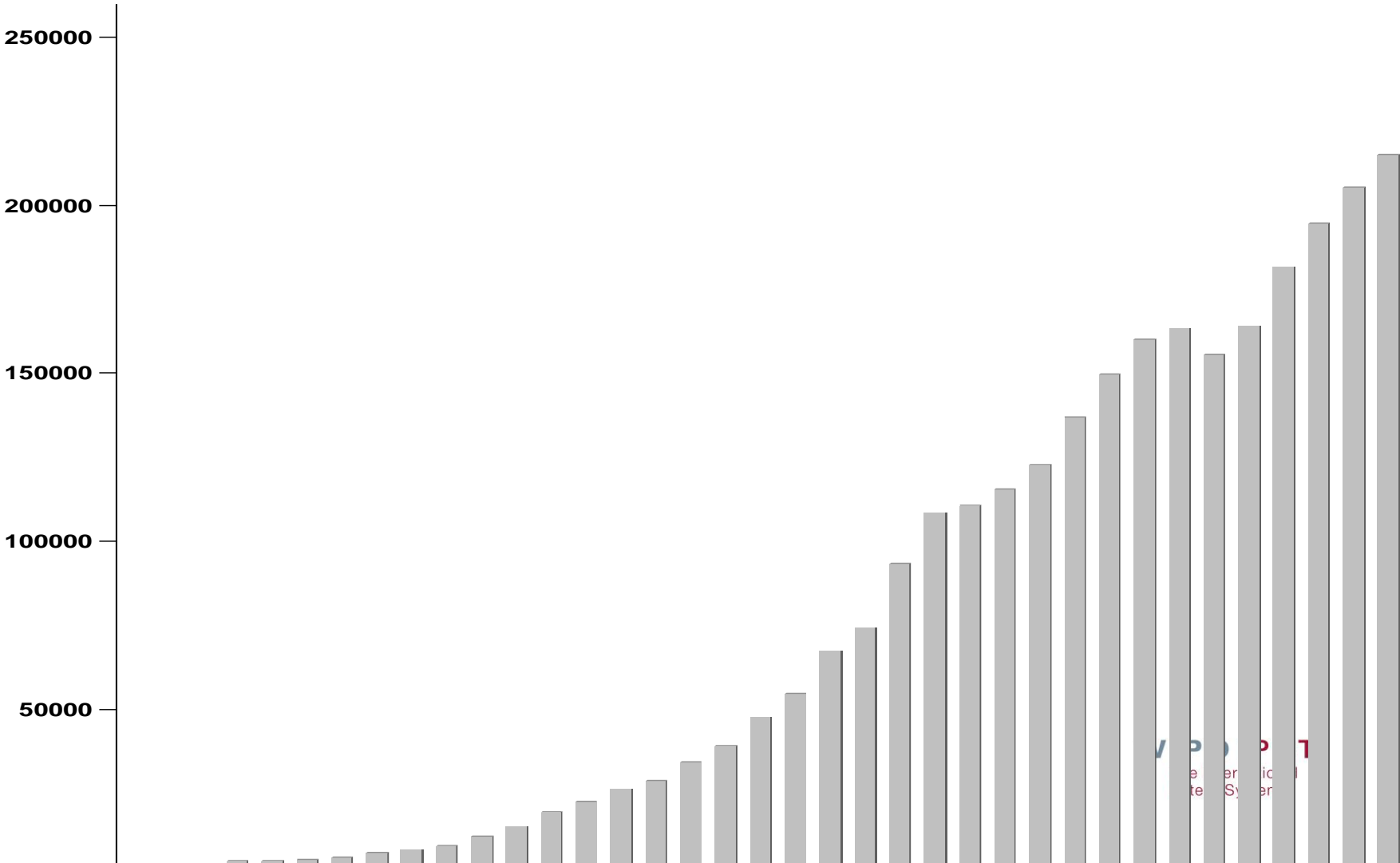
Malawi  
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Netherlands  
New Zealand  
Nicaragua  
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Oman  
Panama  
Papua New Guinea  
Peru  
Philippines

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

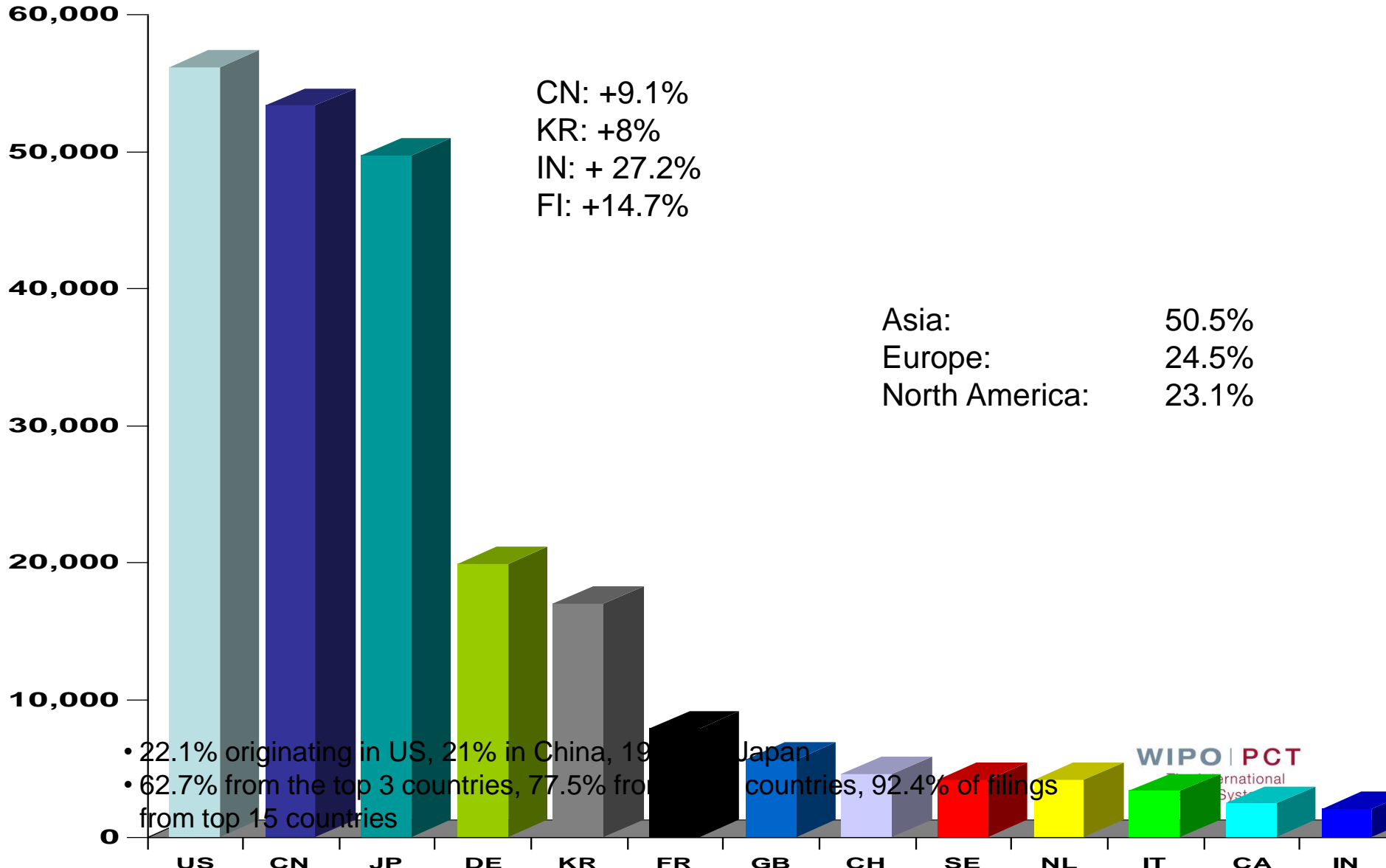
St. Kitts and Nevis  
Sweden  
Switzerland  
Syrian Arab Republic  
Tajikistan  
Thailand  
The former Yugoslav  
Republic of Macedonia  
Togo  
Trinidad and Tobago  
Tunisia  
Turkey  
Turkmenistan  
Uganda  
Ukraine  
United Arab Emirates  
United Kingdom  
United Republic of Tanzania  
United States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

# PCT Statistics

# Tremendous growth in PCT applications since 1978



# International applications received in 2018 by country of origin



# UN Member States not yet in PCT

Afghanistan

Andorra

Argentina

Bahamas

Bangladesh

Bhutan

Bolivia

Burundi

Cape Verde

Democratic Republic of

Congo

Eritrea

Ethiopia

Fiji

Guyana

Haiti

Iraq

Jamaica

Kiribati

Lebanon

Maldives

Marshall Islands

Mauritius

Micronesia

Myanmar

Nauru

Nepal

Pakistan

Palau

Paraguay

Samoa

Solomon Islands

Somalia

South Sudan

Suriname

Timor-Leste

Tonga

Tuvalu

Uruguay

Vanuatu

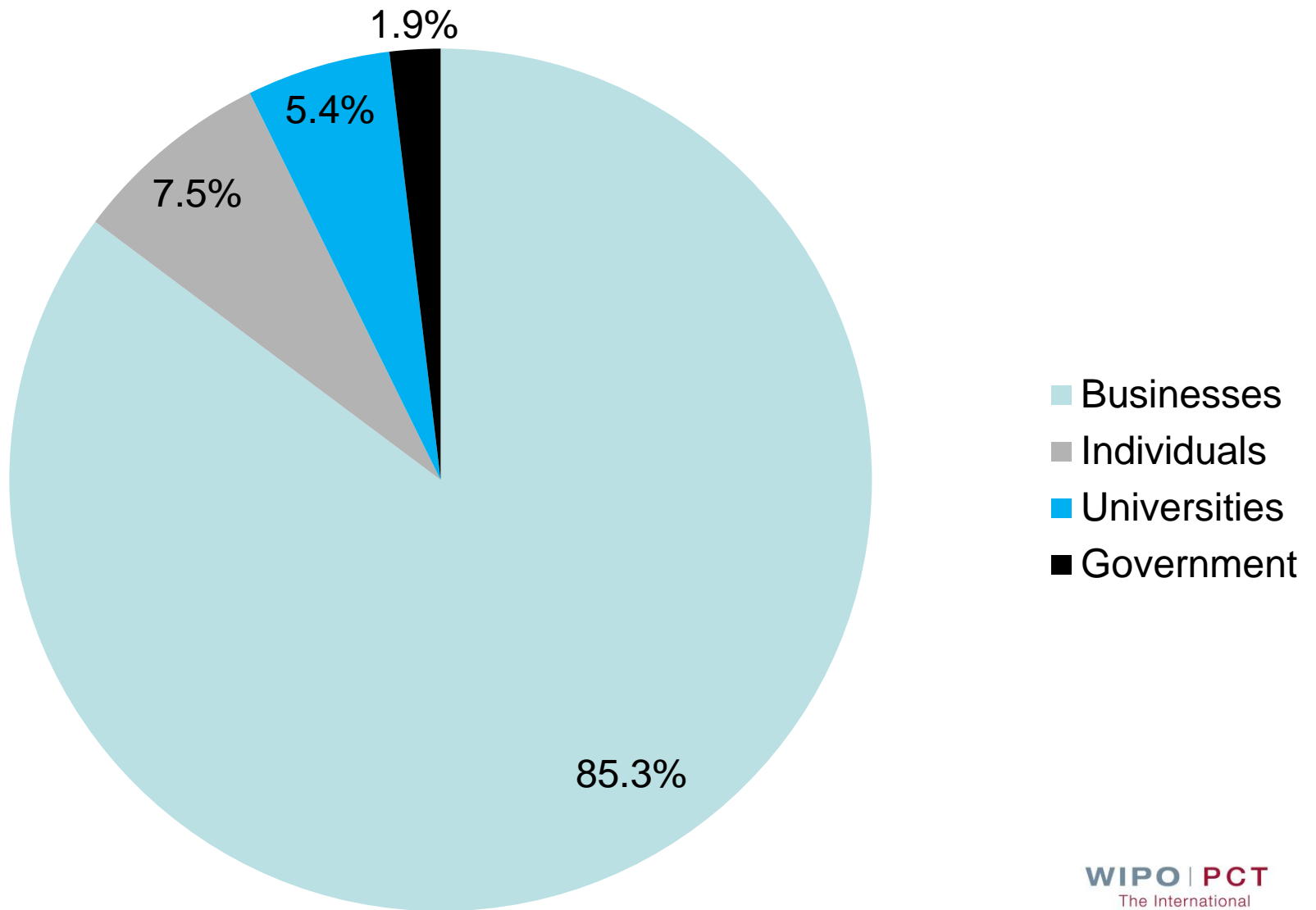
Venezuela

Yemen

(41)



# PCT Applicants in 2018



# Top PCT Applicants in 2018

1. Huawei Technologies—CN (5,405)
2. Mitsubishi Electric—JP (2,812)
3. Intel—US (2,499)
4. Qualcomm—US (2,404)
5. ZTE—CN (2,080)
6. Samsung—KR (1,997)
7. BOE Technology Group—CN (1,813)
8. LG Electronics—KR (1,697)
9. Ericsson—SE (1,645)
10. Bosch—DE (1,524)
11. Microsoft—US (1,476)
12. Panasonic—JP (1,465)
13. Sony—JP (1,342)
14. Siemens—DE (1,211)
15. Hewlett-Packard—US (1,170)

*() of published  
PCT applications*

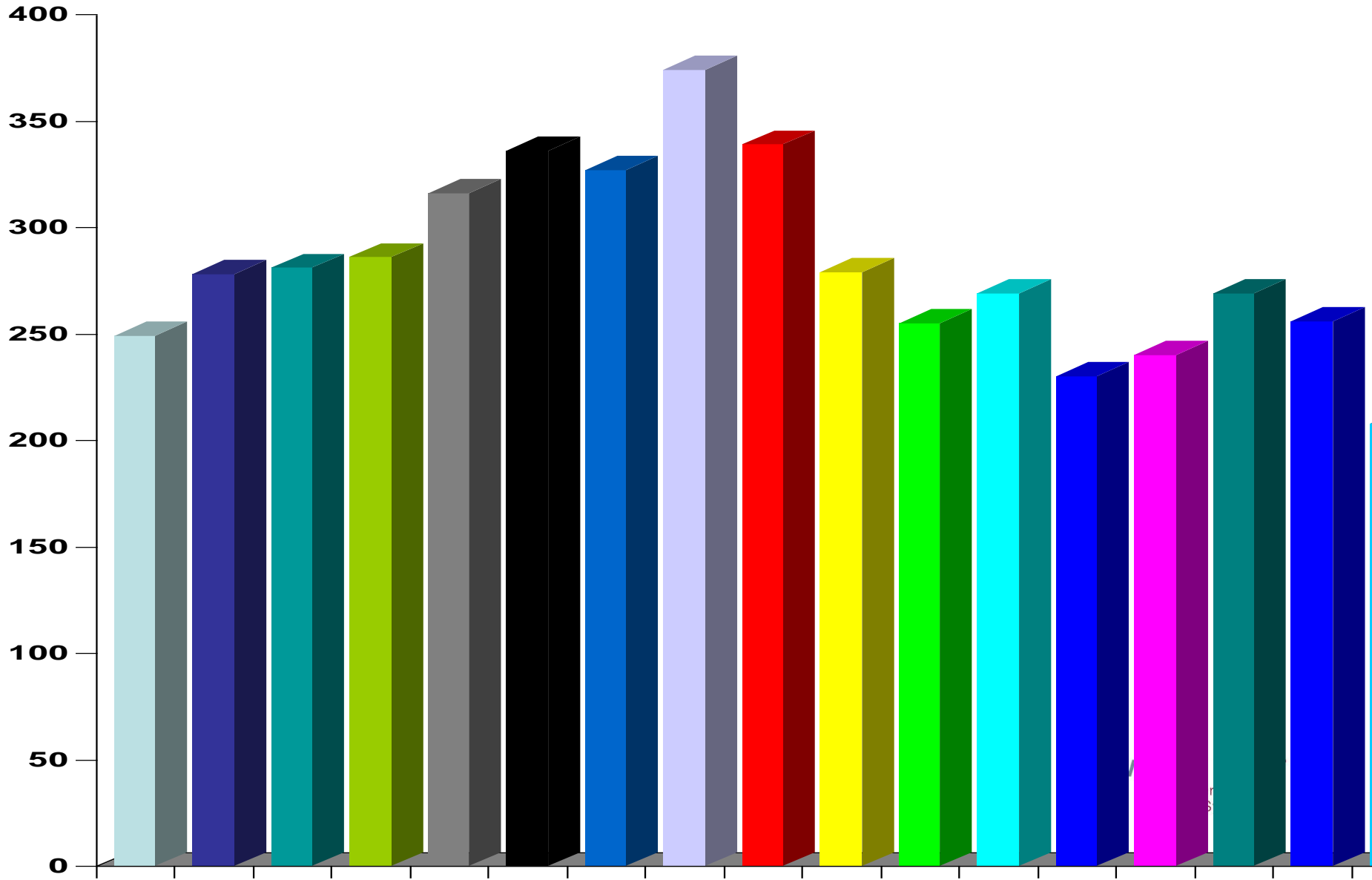
# Top University PCT Applicants in 2018

1. University of California (US)
2. Massachusetts Institute of Technology (US)
3. Shenzhen University (CN)
4. South China University of Technology (CN)
5. Harvard University (US)
6. University of Texas (US)
7. Tsinghua University (CN)
8. Seoul National University (KR)
9. Stanford University (US)
10. China University of Mining and Technology (CN)
11. Osaka University (JP)
12. Johns Hopkins University (US)
13. Korea Advanced Institute of Science and Technology (KR)
14. University of Tokyo (JP)
15. Hanyang University (KR)

# Top Government/PRO PCT Applicants in 2018

1. Fraunhofer-Gesellschaft (DE)
2. China Academy of Telecommunications Technology (CN)
3. Commissariat a L'Energie Atomique et aux Energies Alternatives (FR)
4. Institut National de la Sante et de la Recherche Médicale (FR)
5. National Institute of Advanced Industrial Science and Technology (JP)
6. Centre National de la Recherche Scientifique (FR)
7. Agency of Science, Technology and Research (SG)
8. Shenzhen Institute of Advanced Technology (CN)
9. United States of America, Secretary of Health and Human Services (US)
10. Mayo Foundation for Medical Education and Research (US)
11. Korea Electronics and Technology Institute (KR)
12. Riken (Institute of Physical and Chemical Research (JP)
13. Sloan-Kettering Institute for Cancer Research (US)
14. Electronics and Telecommunications Research Institute of Korea (KR)
15. Korea Institute of Industrial Technology (KR)

# PCT Use in NZ



# Some examples of NZ Applicants

Fisher & Paykel Healthcare Ltd

Powerbyproxi Ltd

Auckland Uniservices Ltd

Industrial Research Ltd

Agresearch Ltd

Lanzatech New Zealand Ltd

Fonterra Co-Operative Group Ltd

Fisher & Paykel Appliances Ltd

Victoria Link Ltd

University of Otago

Unova Ltd

Methven Ltd

All Weather Sportscover Ltd

Simcro Ltd

Wedglock Equipment Ltd

Dotterel Technologies Ltd

Adherium (NZ) Ltd

Opum Technologies Ltd

Introl IP Ltd

University of Canterbury

University of Auckland

New Zealand Institute for Plant and Food Research Ltd

# Recent Legal and Practical PCT Developments

# Recent Legal and Practical PCT Developments

## ■ July 2016:

- 2 additional protections/safeguards for applicants

## ■ July 2017:

- PCT national phase transparency
- worksharing enhancement

## ■ July 2018:

- PCT Schedule of Fees amended

## ■ July 2019

- Change to timing of IPE

## ■ Interim solution on color drawings

## ■ Contingency upload service



# PCT Changes as of July 1, 2016 (1)

## ■ 2 additional protections/safeguards for applicants

### □ Mistakenly filed/submitted “sensitive” information

- the ability to effectively remove from filed PCT applications and WIPO’s publicly accessible application-related documents (even before international publication) “sensitive” information mistakenly submitted (amendments to PCT Rules 9, 48 & 94)
- the information which is sought to be removed must be:
  - irrelevant to the disclosure
  - prejudicial to personal or economic interests, and
  - there must be no prevailing public interest in its access
- new procedures apply to applications filed on or after 1 July 2016
- ***Takeaway/Action item: make sure your staff/colleagues/outside counsel are aware of this new procedure***

# PCT Changes as of July 1, 2016 (2)

- 2 additional protections/safeguards for applicants (cont.)
  - Missed time limits due to large-scale Internet outages
    - extension of *force majeure* excuse of delay provision to time limits missed due to “general unavailability of electronic communications services” (amended Rule 82*quater*)
    - covers outages that affect widespread geographical areas or many individuals, as distinct from localized problems associated with a particular building or single user
    - applies to applications filed on or after 1 July 2016, and to applications filed before that date where the “event” occurred on or after that date
    - ***Takeaway/Action item: make sure your staff/colleagues/outside counsel are aware of this new basis***

# PCT Changes as of July 1, 2017 (1)

## ■ PCT national phase becomes more transparent

- ❑ designated Offices are required to provide IB with timely national phase entry and related data (Rules 86 & 95)
  - within 2 months from expiry of national phase deadline or asap thereafter
  - date national phase entered, national application number, number and date of any national publication, and date of grant
- ❑ PATENTSCOPE “National phase” tab will contain more information than it currently does
  - Receiving data from 43 Offices, with 30 more expected soon
- ❑ Applies to applications which entered the national phase on or after 1 July 2017
- ❑ ***Takeaway/Action item: make sure your staff/colleagues/outside counsel are aware of this change***

# PCT Changes as of July 1, 2017 (2)

- PCT “Receiving Offices” required to forward any earlier search or classification results on priority applications to the PCT ISA (amendments to Rules 12*bis*, 23*bis* & 41)
  - a worksharing/efficiency measure
  - ROs were allowed to effectively opt out if this procedure was incompatible with national law when the amendments were introduced
    - USPTO (and 10 other ROs) made this notification
    - Certain ROs offer applicants the possibility to opt out
  - Applies to applications filed on or after July 2017
  - ***Takeaway/Action item: make sure your staff/colleagues outside counsel are aware of this new procedure***

# PCT Changes as of July 1, 2018

## ■ Amendments to Schedule of Fees

- to make clear that the 90 per cent fee reductions in item 5 are intended only for persons filing an international application in their own right and not those filing an international application on behalf of a person or entity which is not eligible for the reduction, such as a director or employee of a company filing an international application on behalf of a company in order to obtain the reduction in item 5(a)
  
- Understanding of the PCT Assembly adopted:
  - “It is the understanding of the PCT Assembly that the fee reduction in item 5 of the Schedule of Fees is intended to apply only in the case where the applicants indicated in the request are the sole and true owners of the application and under no obligation to assign, grant, convey or license the rights in the invention to another party which is not eligible for the fee reduction.”

# PCT Changes as of July 1, 2019

## ■ Amendment to PCT Regulations

- Agreed amendment to Rule 69.1(a), allowing IPEA to begin international preliminary examination when in possession of demand, fees, ISR and WO unless applicant requests postponement (effectively reversing current default which requires the IPEA to wait until the time limit expires unless the applicant specifically requests earlier start)

# Practical development: color drawings (1)

- IB has implemented an “interim solution” as to color drawings in PCT applications:
  - ❑ Electronic applications made to ROs using PCT-SAFE or ePCT-Filing can indicate (checkbox) that the application as uploaded contains color images
  - ❑ This indication triggers a notification on the front page of the published application that the originally-filed application contains color drawings which are available for download from PATENTSCOPE
  
- may be helpful for DOs which accept color drawings, although:
  - ❑ the legal PCT requirement still has not yet changed
  - ❑ color images or greyscale will be converted by the IB to black & white
  - ❑ DOs may still require black & white in the national phase

# Practical development: color drawings (2)

- the interim practice's purpose is not to encourage the use of color images but to recognize that many IAs do in fact contain color images and allow/assist DOs which accept them to more easily access them
  - eventual goal is to have full color processing through international phase and into national phase, and adapted legal requirements
  - 887 IAs from 27 ROs used this procedure up to end 2018

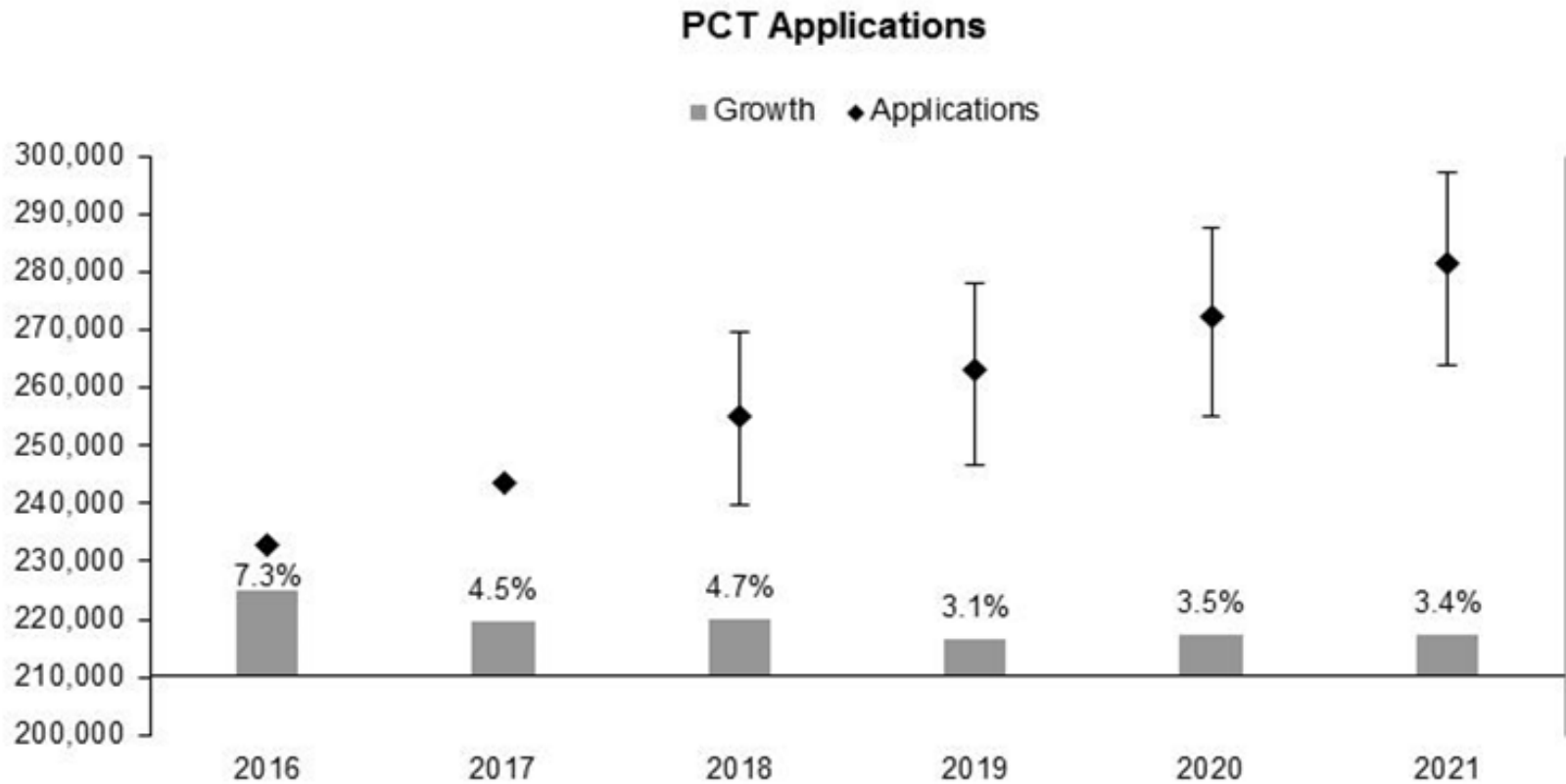


# Practical development: contingency upload

- Turning off fax at IB (though not before end June 2019)
- Providing an alternate means for submitting documents and filing applications without having to use ePCT or for use in the exceptional situation that ePCT is not available
  - <https://pct.wipo.int/ePCTExternal/pages/UploadDocument.xhtml>
  - Allows uploading of PDF documents without having to sign into a WIPO account—you provide email address which is validated, then get a link to the service. You upload the document(s) and get an automated confirmation of receipt
- WIPO continues to strongly encourage use of ePCT for filing and submitting subsequent documents
- Demo version of the contingency service available for testing

# Likely Developments

# PCT Application Filings--projected



•Source: Economics and Statistics Division, WIPO

# UN Member States not yet in PCT

Afghanistan

Andorra

Argentina

Bahamas

Bangladesh

Bhutan

Bolivia

Burundi

Cape Verde

Democratic Republic of

Congo

Eritrea

Ethiopia

Fiji

Guyana

Haiti

Iraq

Jamaica

Kiribati

Lebanon

Maldives

Marshall Islands

Mauritius

Micronesia

Myanmar

Nauru

Nepal

Pakistan

Palau

Paraguay

Samoa

Solomon Islands

Somalia

South Sudan

Suriname

Timor-Leste

Tonga

Tuvalu

Uruguay

Vanuatu

Venezuela

Yemen

(41)

# PCT International Searching Authorities

The appointed ISAs/IPEAs are the following 23 offices:

Australia  
Austria  
Brazil  
Canada  
Chile  
China  
Egypt  
European Patent Office  
Finland  
India  
Israel  
Japan  
Nordic Patent Institute  
Philippines  
Republic of Korea  
Russian Federation  
Singapore  
Spain  
Sweden  
Turkey  
Ukraine  
United States of America  
Visegrad Patent Institute

# PCT WG 2019

## ■ Consideration of:

- new Regulation amendment proposals on “erroneously filed elements and parts”
- proposed fee reduction for universities

## ■ Progress reports on:

- IP5 Collaborative Search and Examination Pilot
- Netting of PCT fees
- PCT sequence listing standard
- PCT Online services
- PCT Minimum Documentation

## ■ ?

# Likely Directions

# The PCT – 1970 to Today

- 2020 will be 50 years since the PCT Diplomatic Conference
- IB's perceptions:
  - As filing tool: PCT has been extremely successful
  - However: as work sharing tool not as effective in practice for addressing national quality of examination and (for some Offices) backlogs
    - Expectation was: “flying start” for offices; completing, checking and criticizing ...
    - Reality is: some Offices still “start from scratch”, perhaps not in complete isolation, but ...
  - What is needed: while PCT will always respect national sovereignty as to substantive conditions of patentability, further trust between Offices is needed, so that duplicative international phase and national phase processing can be further reduced



# DG quote

## ■ PCT 3 Million “food for thought” memo

“The key to future [PCT] improvements lies in putting renewed emphasis on the ‘Cooperation’ aim which underpins the Treaty... in the view of the International Bureau, it is now mainly up to the Contracting States and the national and regional Offices which perform roles under the Treaty to put further life into that ‘Cooperation’ aim with a view towards making the PCT system fully effective as the tool to support innovation, investment and development that those same Contracting States designed it to be.”

# Direction 1

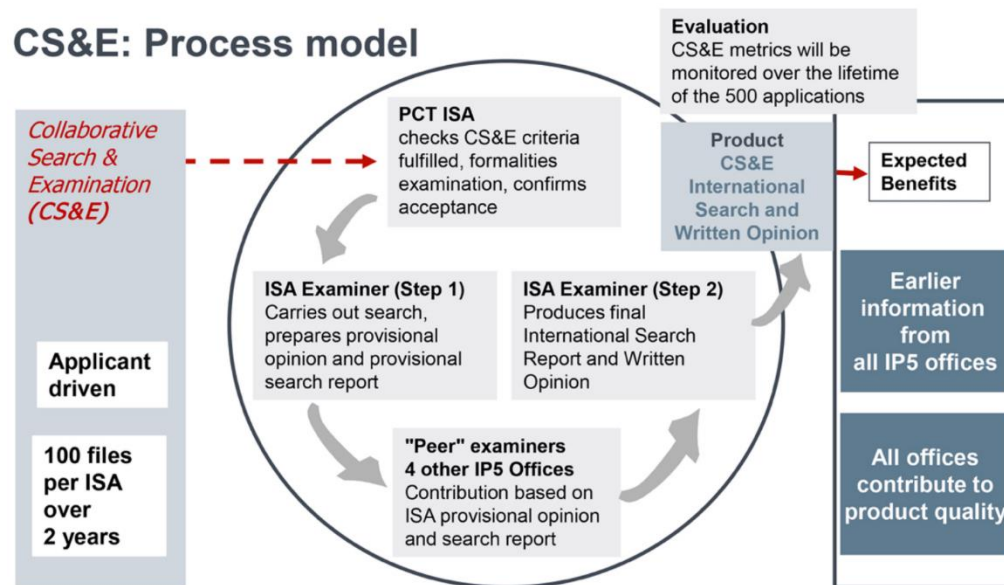
## --int'l search/examination--

- Quality of international work products (paramount to PCT's role as work sharing tool for Offices)
  - Need to improve the **quality and consistency** of PCT international phase work products (also includes timeliness )
    - Develop quality metrics for measuring usefulness of work products and identifying areas of further work
      - IB reports on characteristics of international search reports
    - Role of DOs: provide feedback on quality of reports they are receiving
    - As evidence of quality engagement, full faith and credit should be given by Offices to their own ISA workproducts

# Direction 1 (cont.)

## --int'l search/examination--

- Explore collaborative search and examination: IP5 Pilot
  - measure effects and benefits in national phase
  - results to be reported to PCT/WG, for possible integration into PCT at later stage
  - ePCT to serve as CS&E platform for IP5 Offices



- ISA choice:
  - Competition to play a greater role?

# Direction 2

## --accessibility of system--

- Making PCT accessible to applicants of all types from all Contracting States
  - Fee reductions (SMEs, universities, research institutes, individual applicants)
    - BR proposal
  - Other proposals?

# Direction 3

## --assistance to Offices--

- Help DOs more easily access and better understand & utilize reports
  - PATENTSCOPE, WIPO CASE, Global Dossier
  - Training of DO examiners in access to and use of PCT reports
    - WIPO is very grateful to Offices which, either directly or indirectly (or both!) contribute to these training efforts
  - Particularly important for developing and least developed countries

# Direction 4

## --data/money transfer efficiencies--

- Optimize PCT data and financial flows
  - PCT was designed in another era...
  - Some online payment possible, but potential to have more centralized and user-friendly payment facilities
  - “Netting structure” currently being piloted, to reduce exposure of International Bureau to currency exchange rates and administration of fees by receiving offices and International Authorities

# Direction 5

## --technical cooperation--

- Improve the technical environment and level of technical cooperation between Offices
  - ePCT and beyond: great opportunities
    - proposed ePCT national phase entry functionality for applicants
  - Goals should be:
    - end-to-end e-processing
    - real-time, secure access by all to up-to-date, accurate data throughout international phase and into national phase
    - promote XML filing and processing
    - improved machine translation
    - develop IT systems/standards to support sharing information with other Offices more effectively

## ■ And what it can do for you...

### □ Online portal providing:

- Web-based PCT application preparation and filing
  - Real-time validation of data against the electronic processing system of the International Bureau
  - Real-time online payment to the International Bureau of filing fees by credit card or by debiting a WIPO Current Account (only for filings with RO/IB)
  - Manage access rights
  - E-mail alerts for most of these time limits can be set up in Notification Preferences
- Secure and direct interaction with existing PCT applications, providing for carrying out most PCT transactions electronically (eActions) with the International Bureau
- User interface in all PCT publication languages
- Services for Offices as well (ROs, ISAs, IPEAs, DOs)



# WIPO IP Portal

- Single common portal which consolidates the customer experience when accessing all WIPO services
  - revenue management and data assets capture and management across the business lines and associated ICT systems
- To enable customers with little prior knowledge of IP to better access WIPO's services and easily manage fee payments:
  - universities, SMEs and individual businesses
  - particularly in developing countries

# Direction 6

## --applicant incentives--

- Create incentives for applicants to use system efficiently
  - Encourage high quality applications and early correction of defects and filing of amendments
  - PCT/PPH, formal integration of PPH into the PCT?

# PCT Best practices/reminders

- Remember that the PCT contains many useful features, such as:

- third party observations
- restoration of priority procedures
- a way to draw attention to individual applications by including licensing-related information
- being able in theory to request excuse of delay in meeting national phase entry deadline

- Always:

- view and review filed application online asap after filing (ePCT)
- review published application immediately after publication (PATENTSCOPE)
- respect national phase entry time limit
- request RO to prepare and transmit priority document
- consider submitting any restoration of priority requests to RO/IB
- file 92*bis* requests only with IB directly
- call/email when you have a doubt or question

- Never:

- submit a notice of withdrawal to the RO or any authority other than the IB

# PCT Information and Training

- 29 video segments about specific PCT topics on WIPO's Youtube channel and WIPO's PCT webpage
- PCT Distance learning course content available in the 10 PCT publication languages, and a 2<sup>nd</sup> detailed PCT DL course under preparation
- PCT Webinars
  - free updates on developments in PCT procedures, and PCT strategies—previous webinars are archived and freely available
  - upon request also for companies or law firms, for example, for focused training on how to use ePCT
- Videoconference and audio possibilities also available
- In-person PCT Seminars and training sessions: see PCT seminar calendar (<http://www.wipo.int/pct/en/seminar/seminar.pdf>)
- Monthly Newsletter (<http://www.wipo.int/pct/en/newslett/>)
- Extensive information resources on PCT website (<http://www.wipo.int/pct/en/>)
- If you'd like to discuss PCT training, contact us





**WIPO | MADRID**

The International  
Trademark System

# ■ Overview of the Madrid System

Ásta Valdimarsdóttir

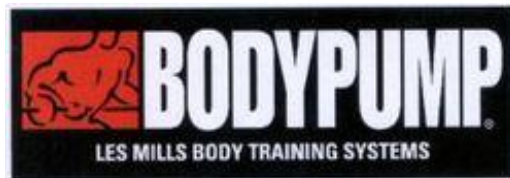
Director, Madrid Information and Promotion Division  
Madrid Registry, Brands and Designs Sector, WIPO

**New Zealand  
2019**

It begins with a trademark and a marketing plan...



**Kinetic**



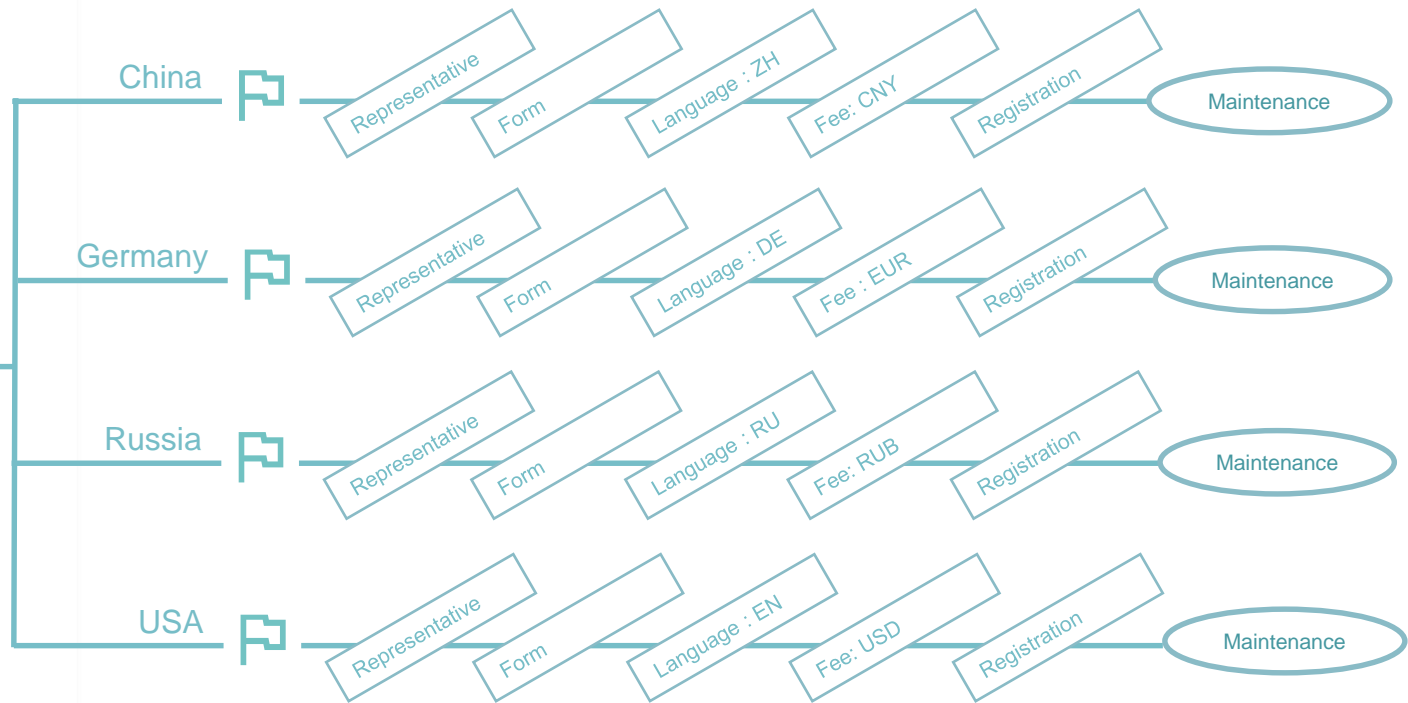
TREASURY  
WINE ESTATES

# Protecting your IP overseas

- National Route - file with the IP Office of each country you want protection in
- Regional Route - file through a regional trademark registration system - for example, through ARIPO, Benelux Office for IP, EUIPO and OAPI
- International Route - file through the Madrid System



# Direct (or Paris) Route



# WIPO Madrid System Route



WIPO

1 representative\*

1 form

1 language

1 fee

decisions 12/18 m

- China
- Germany
- Russia
- USA

Maintenance

\* optional

# The international route

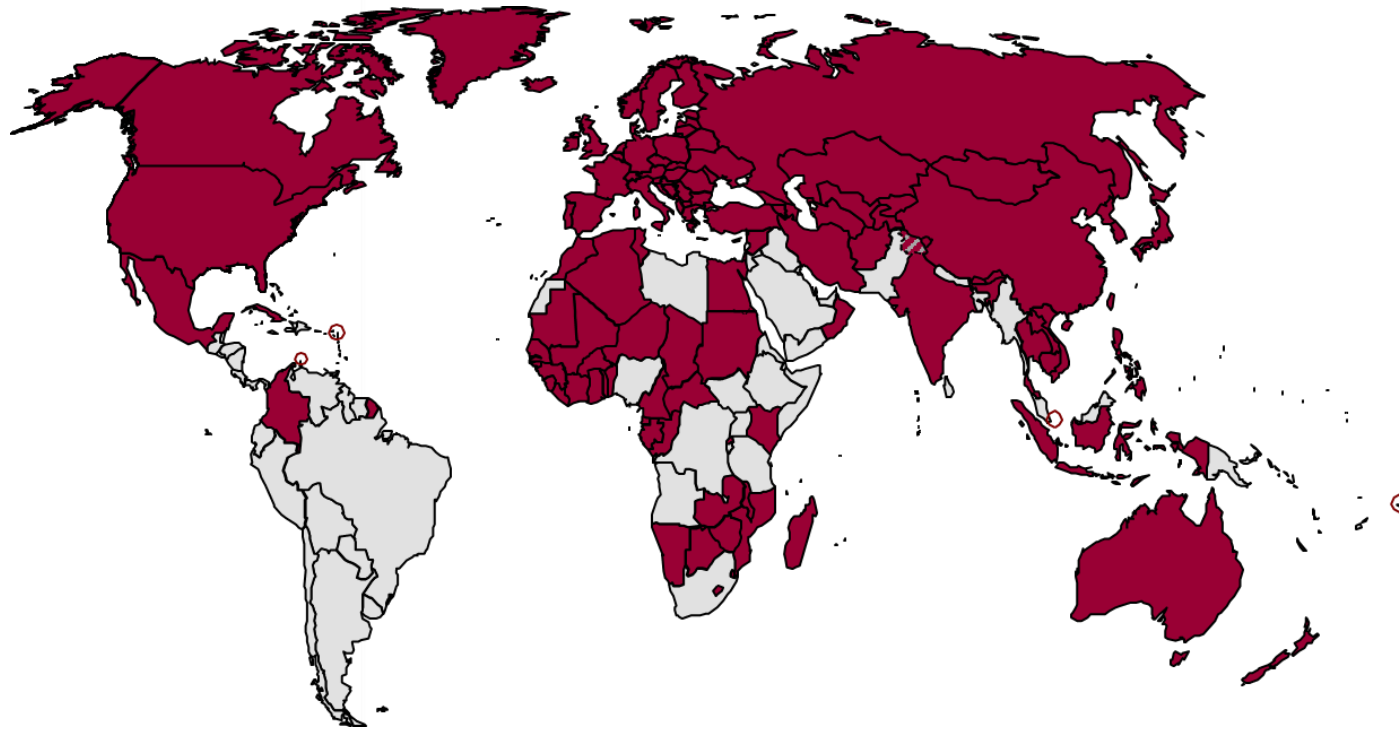
- Global
- Convenient
- Cost-effective
- Maintenance – central procedure

# Global

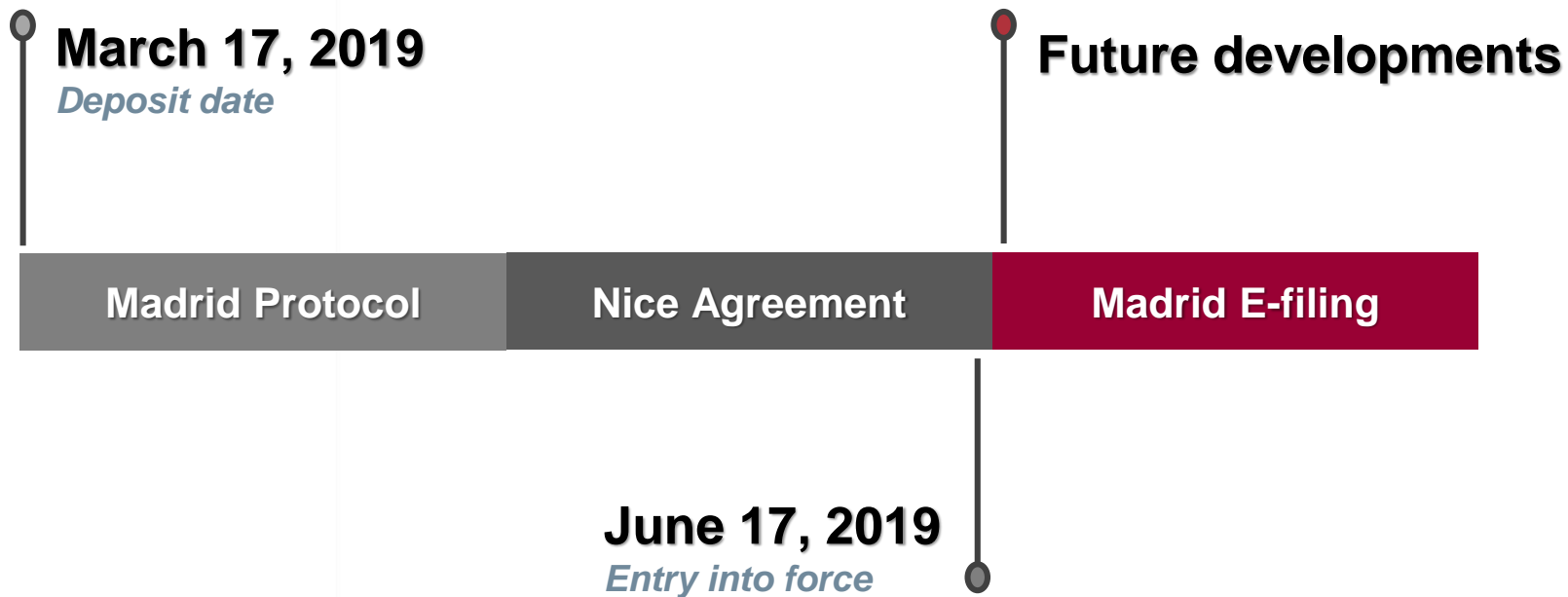


- 72% of the worlds population
- 120 Countries

# 120 countries



# Canada Accession



# Expected to join – 2019/20

- **Africa:** South Africa
- **Arab region:** Jordan, United Arab Emirates and Qatar.
- **Asia:** Malaysia, Bangladesh, Pakistan, Papua New Guinea, Sri Lanka
- **Europe:** Malta
- **Latin America and the Caribbean:** Brazil, Chile, Trinidad and Tobago

# Convenient



- Centralized filing and management procedure
- One application, one language, one set of fees
- Expanded protection in new markets



# Cost-effective



- One international application
- No translation cost
- One Office for administrative procedures

# Maintenance



- A straightforward and standardized central procedure for all changes

# Madrid System Users: Business Sectors

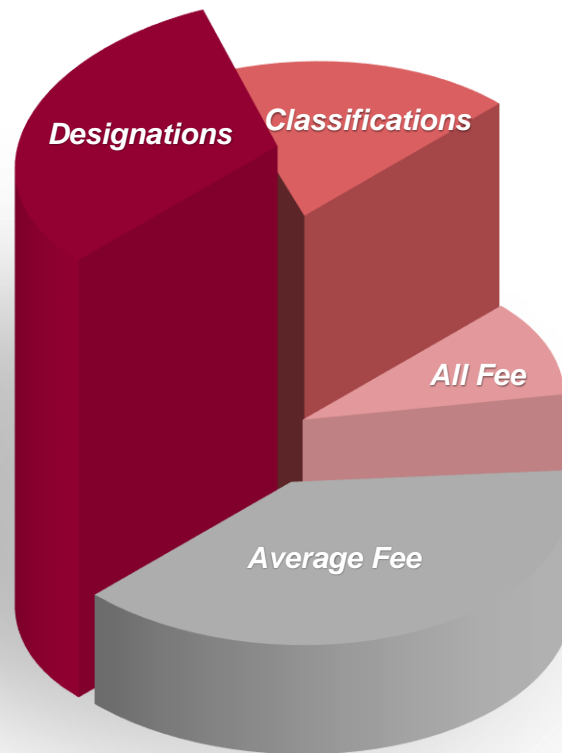
- Madrid System users come from all corners of the globe and represent a broad cross-section of industries



# General Profile 2017 – average

2 or 3 Classes

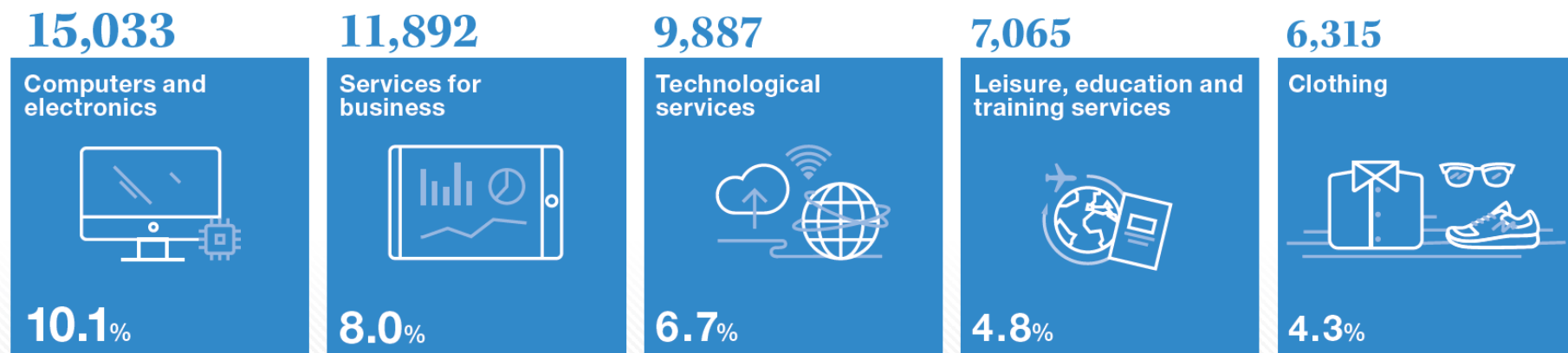
6.5 designations



70% of applicants pay less than CHF 3,166

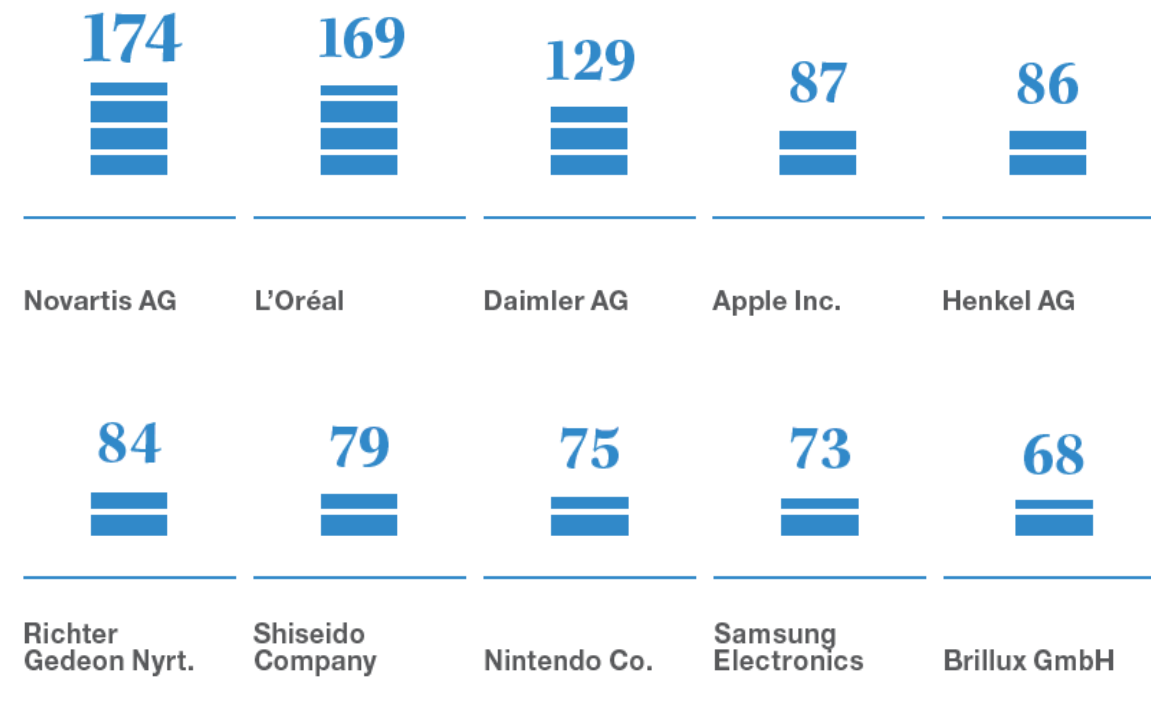
# Top Five Classes (2018)

Number of classes specified in international applications and share of total



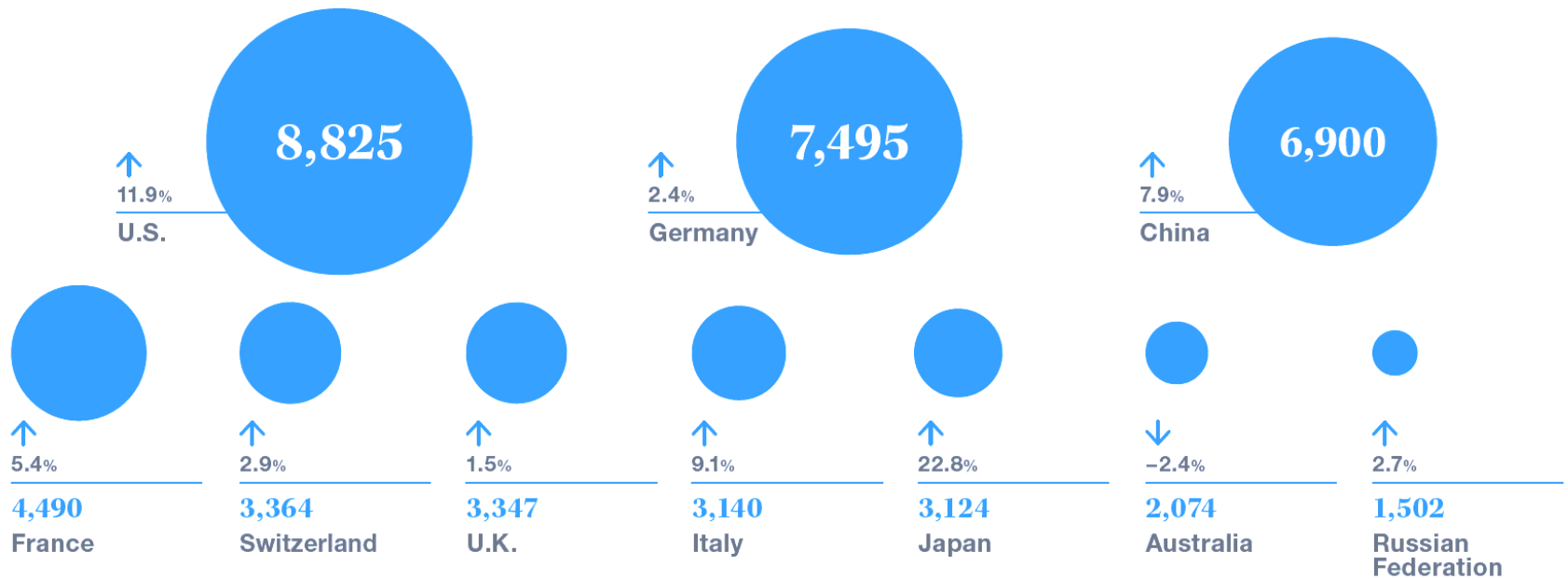
# Top 10 Applicants (2018)

Number of Madrid applications



# Top 10 Filing Origins (2018)

Number of Madrid applications and percent growth since 2017



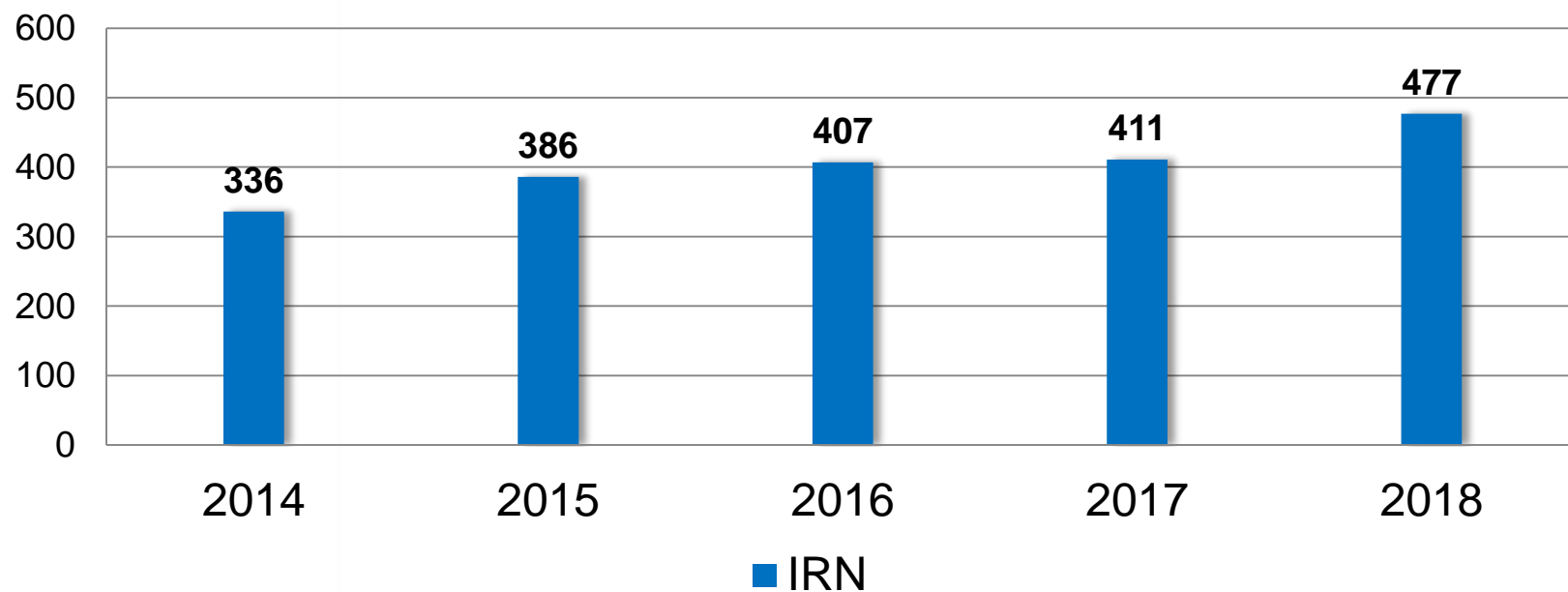
# Close to 1.5 Million International Registrations



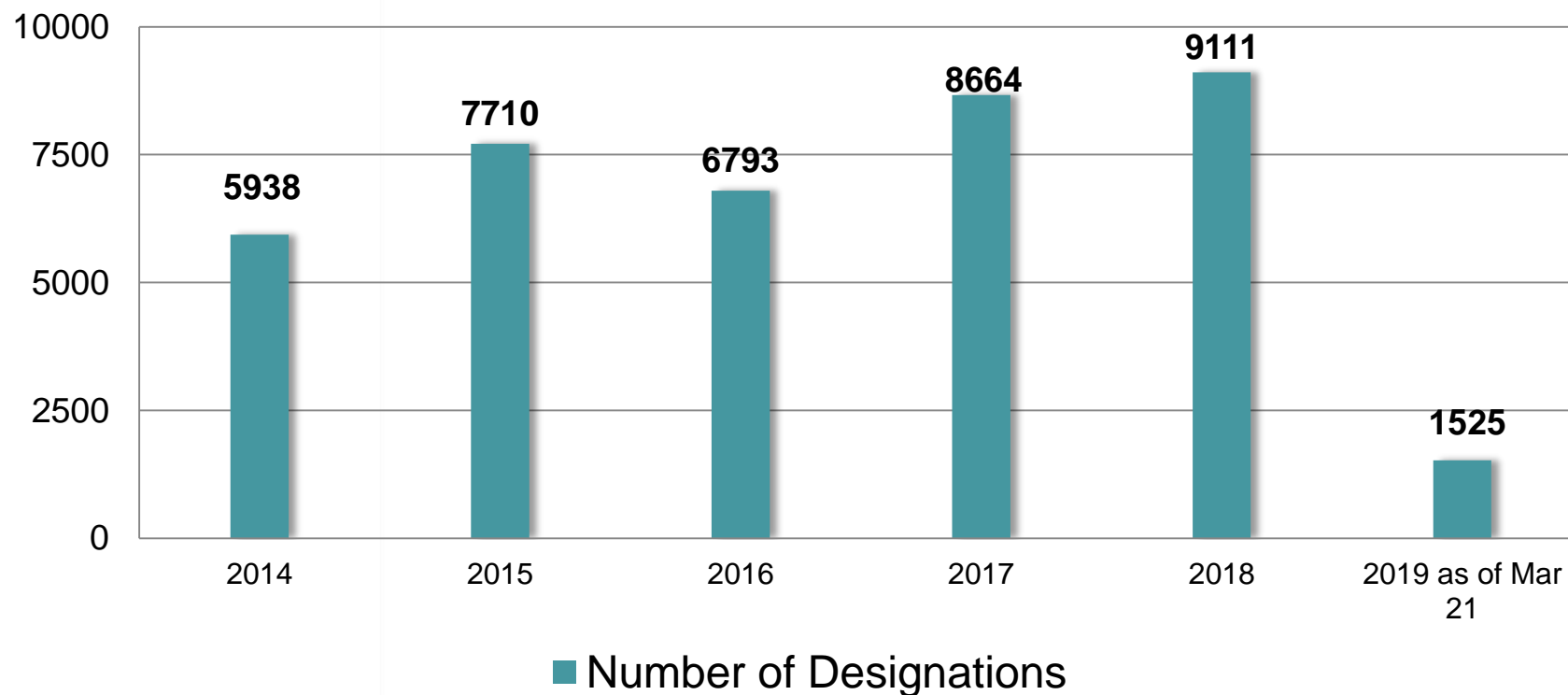
- This LONGINES mark is the oldest trademark still in effect
- Registered in Switzerland in 1889, internationally in **1893**



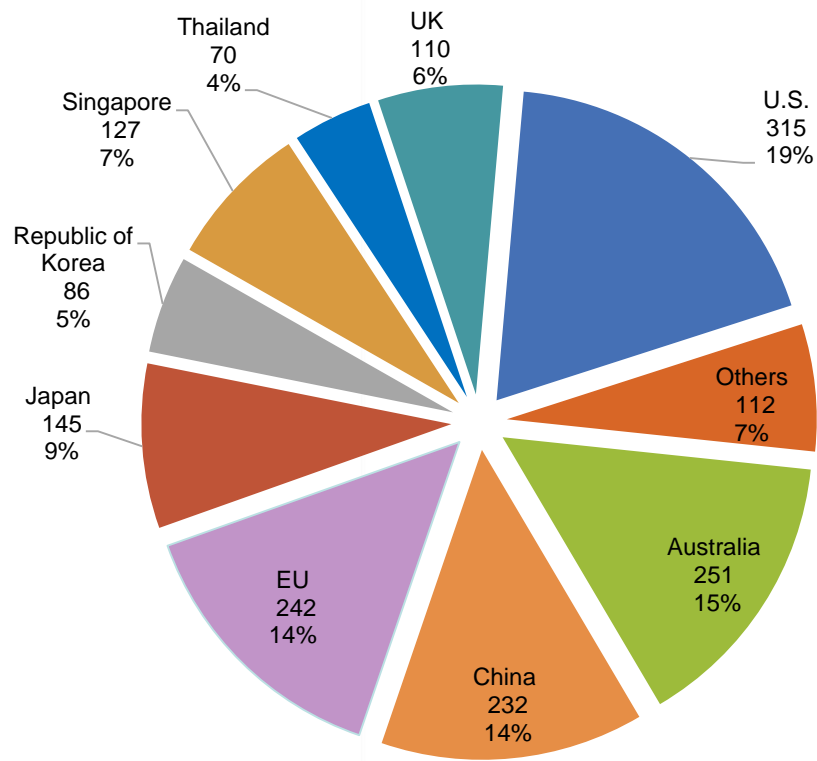
# New Zealand - filings



# New Zealand - designations

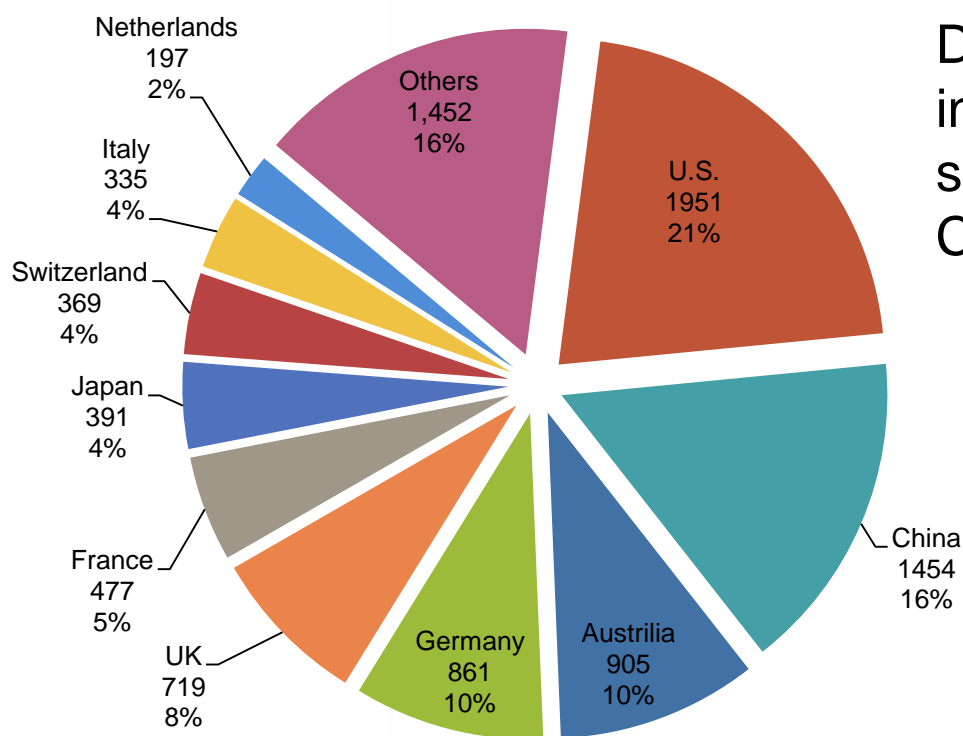


# Top Designated Contracting Parties



Designations in international registrations & subsequent designations by DCPs, Country of Holder: New Zealand (2018)

# Designations of New Zealand

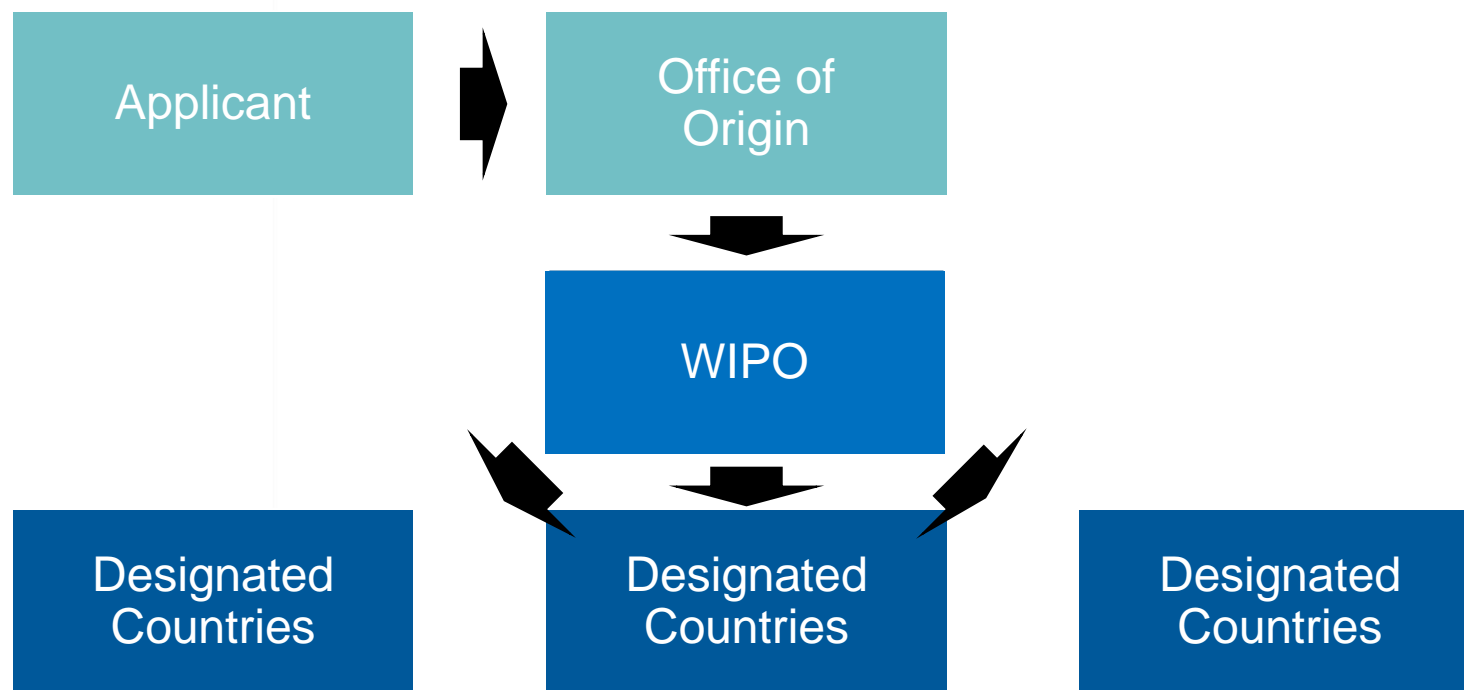


Designations of New Zealand in international registrations & subsequent designations by Country of Holder (2018)

# For Madrid members only

- You must have a relationship with a country that is a member of the Madrid System.
  - Industrial or commercial establishment in the country
  - Domiciled in the country
  - A National of the country

# The process



# Stage 1

# Domestic

- Before filing an international application, you need to have registered or filed an application in your Office of origin
- Submit an **international application** through this same IP Office, which will certify and forward it to WIPO

## Stage 2

## WIPO

- Formal examination by WIPO
- The mark is **recorded in the International Register**
- WIPO sends a **certificate of international registration** to the holder and notifies the countries in which protection is sought
- The scope of protection is only determined **after substantive examination** and decision by the designated countries



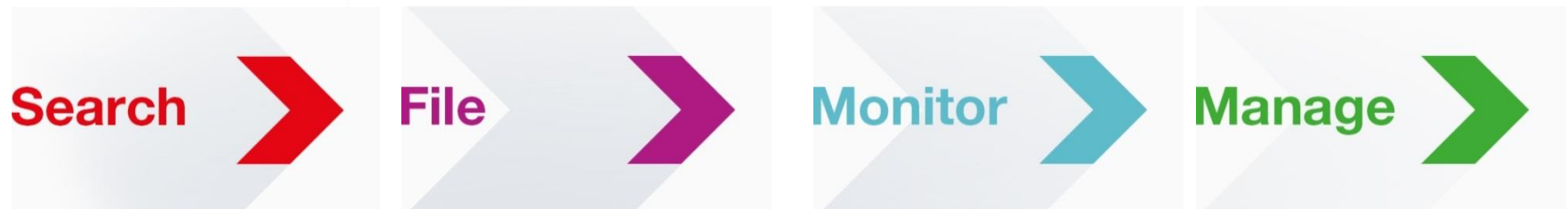
# Stage 3

## Designated countries

- Substantive examination by designated countries
- **A decision within 12 or 18 months**
- WIPO records the decisions and notifies you
- A refusal from a designated country can be contested before the relevant Office/Country
- If a designated country accepts to protect your mark, it will issue a **statement of grant of protection**
- The international registration is **valid for 10 years.**

# Website and Services

- The Madrid Website provides information on how to...



# Recent Developments

- Madrid Portfolio Manager
  - Certificates
  - New E-renewal
- Brexit
- Madrid “How to” Videos
- Madrid E-filing - available in 5 countries
- Rule changes

# Rule changes in the Common Regulations

- Division of international registrations before a designated party (new Rule 27bis)
- Possible merger of divided registrations (new Rule 27ter)

# Madrid System Working Group

- Replacement
- New types of marks
- Additional languages
- Other changes to the Common Regulations

# Stay up to date !

- Visit our website:  
[www.wipo.int/madrid/en](http://www.wipo.int/madrid/en)
- Access [Madrid Webinars](#)
- Subscribe to [Madrid Notices](#) for regular news and key updates
- Follow us on Twitter and LinkedIn







**WIPO | ADR**

Arbitration  
and Mediation  
Center

## ■ Resolving IP disputes outside the courts through WIPO ADR

Erik Wilbers  
Director  
WIPO Arbitration and Mediation Center

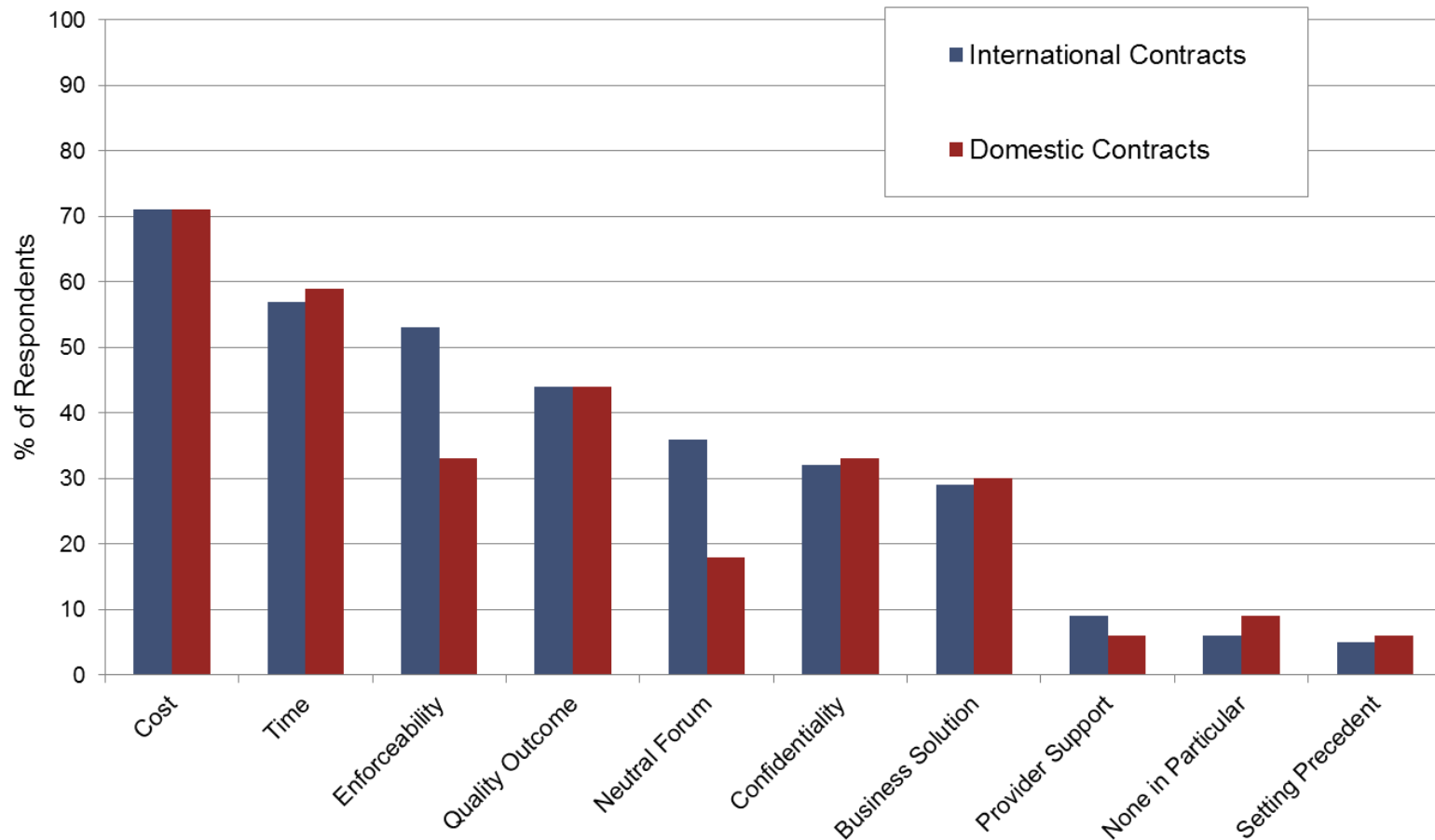
**Roving Seminar on WIPO Services and  
Initiatives**

**Auckland - Wellington - Christchurch  
New Zealand**

**April 8-11, 2019**



# What are your IP dispute resolution priorities?



# WIPO Arbitration and Mediation Center: who are we?

- Helping to resolve IP and technology disputes outside the courts
- WIPO mediators, arbitrators and experts experienced in IP and technology
- Competitive fees
- International neutrality
- Users around the world

# What is ADR?

- **Mediation:** mediator assists parties to settle their dispute based on their interests
  - Leaves open court or arbitration options
- **Arbitration:** one or more chosen arbitrators decide the dispute
  - Enforceable internationally, foreclosing court options
- **Expert Determination:** submitting a specific matter (e.g., technical question) to an expert opinion
  - Parties can agree to give binding effect

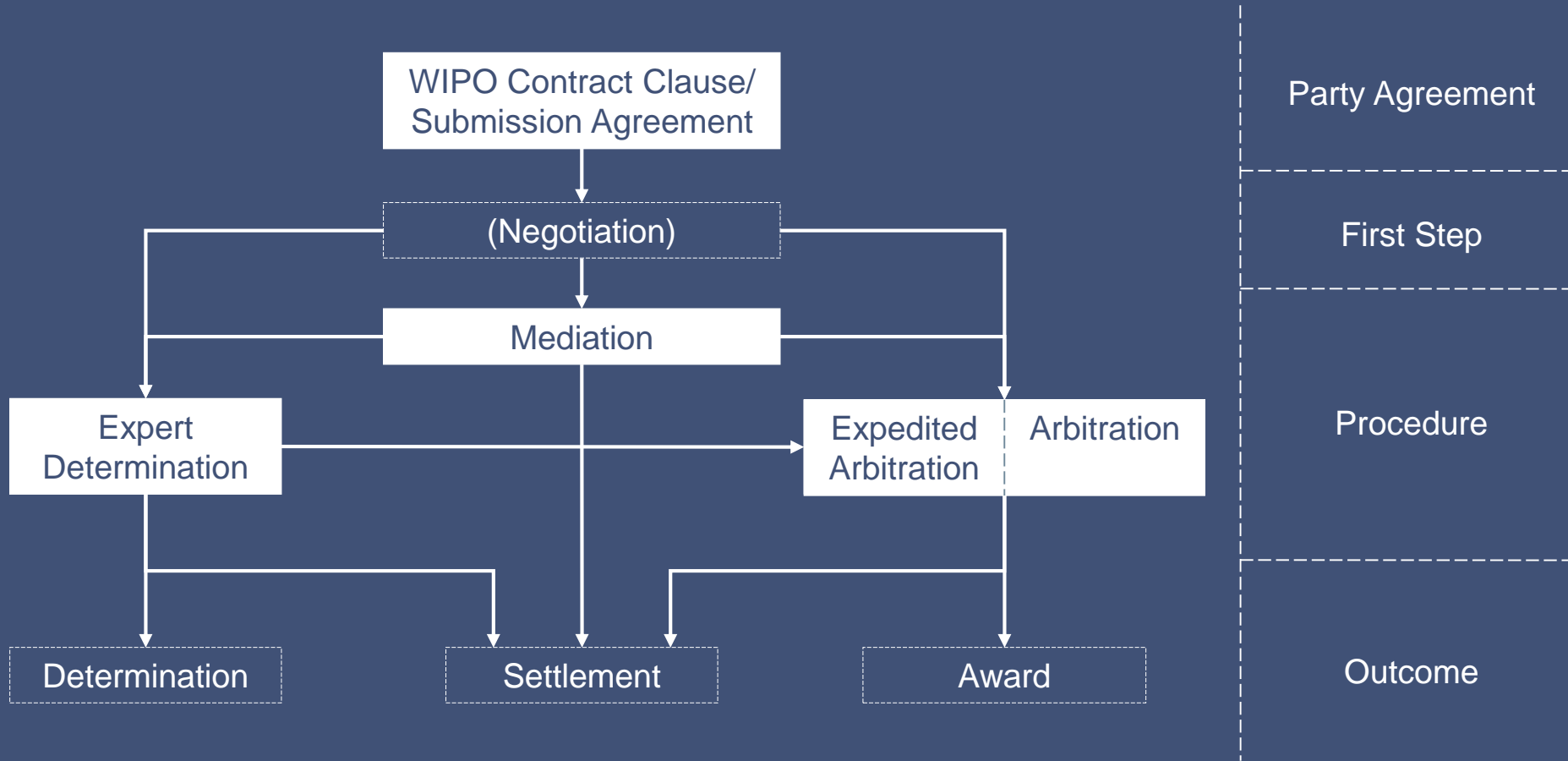
# Why ADR for IP?

- Cost of IP court litigation
- Internationalization of creation and use of IP
- Technical and specialized nature of IP
- Short product and market cycles in IP
- Confidential nature of IP
- Collaborative nature of IP creation and commercialization

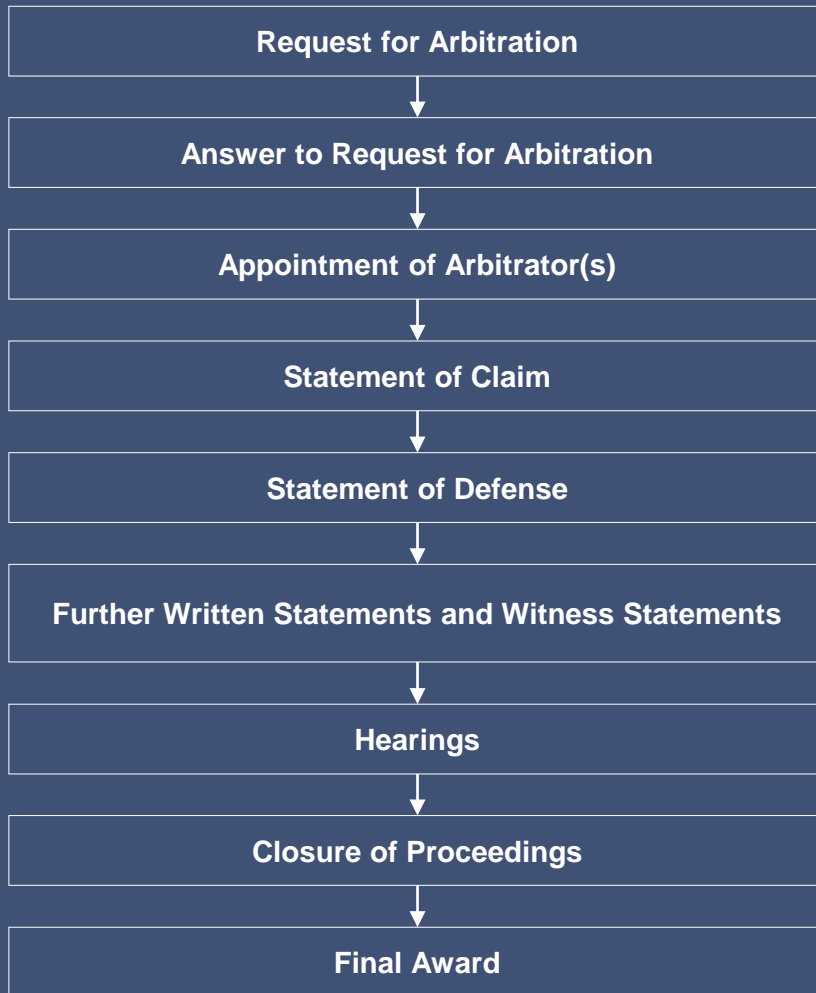
# Routes to WIPO ADR

- ADR contract clause electing WIPO Rules
  - Mediation or Arbitration or Expedited Arbitration; or
  - Multi-tier/escalation clause (Mediation followed by Arbitration / Expedited Arbitration / Court Litigation)
  
- Model clauses
  - Available online
  - WIPO Model Clause Generator
  - Parties can choose location, language, and law
  
- ADR submission agreement electing WIPO Rules, e.g., in existing non-contractual disputes
  
- Unilateral request for WIPO Mediation by one party (Art. 4)
  
- Court referrals

# From clause to outcome: WIPO ADR options



## WIPO Arbitration



## WIPO Expedited Arbitration



- One exchange of pleadings
- Shorter time limits
- Sole arbitrator
- Shorter hearings
- Fixed fees

# Clause example for your contract: mediation followed by expedited arbitration

"**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 [60][90] 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 Expedited Arbitration Rules**. Alternatively, if, before the expiration of the said period of [60][90] 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 Expedited Arbitration Rules. 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 referred to arbitration shall be decided in accordance with **[specify jurisdiction]** law."

[www.wipo.int/amc/en/clauses](http://www.wipo.int/amc/en/clauses)



## WIPO Clause Generator

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

#### Mediation

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

##### Core Elements ?

Place of Mediation

Language of the Mediation

Duration of the Mediation Proceedings

##### Additional Elements ?

Qualifications of the Mediator

Conduct of the Mediation

The place of mediation shall be .

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].

#### 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

### Step 4 – Download or copy the final result

Download

Copy to clipboard

Print clause

# What can you expect from the WIPO Center?

- Administering cases
  - Under WIPO ADR Rules
  - Containing time and costs
    - WIPO ECAF (optional online case management tool)
  
- Assisting selection and appointment of mediators, arbitrators, experts; negotiating fees
  - 2,000+ WIPO neutrals from all regions (including Australia and New Zealand)
    - Specialized in IP and IT

# An online tool for easy case management

- Simple; secure; instant; location-independent; optional

## WIPO Electronic Case Facility (ECAF)

**Case Overview**

[Logout](#)

**Case: WIPOA20020**

Licensing v. AB Technics Inc.

[Case Overview](#)
[Contact Information](#)
[Case File](#)
[Message Board](#)

### Case File

Only documents to be recorded as part of the case file should be submitted in the Case File. Only first-level submissions will trigger an email notification to users. Display issues from variations in browsers may be resolved by adjusting the Text Size in the browser menu.

[Search Case](#)
[+ Submit New File](#)

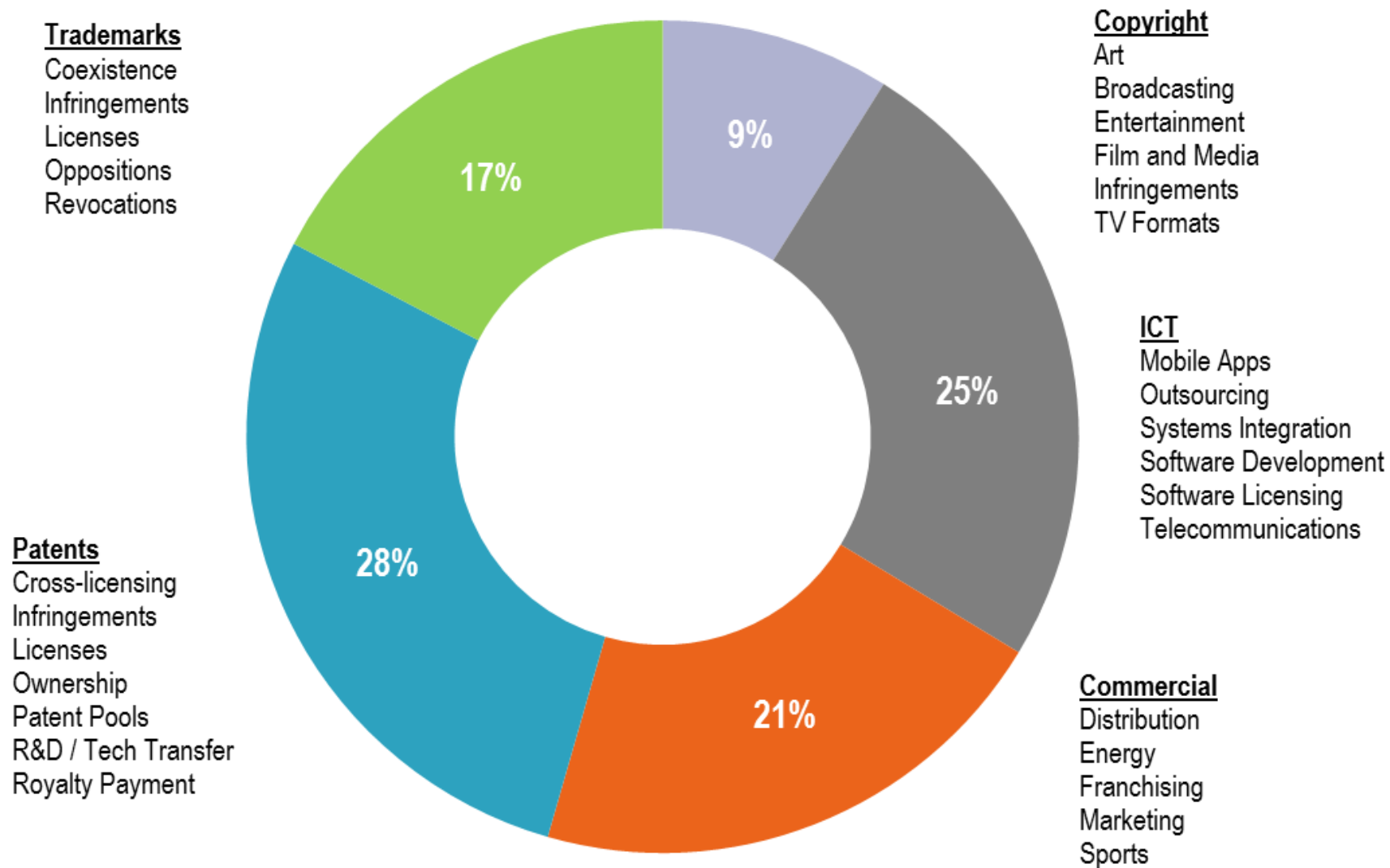
[Expand](#) | [Collapse](#)

To sort, you may click on the column headers

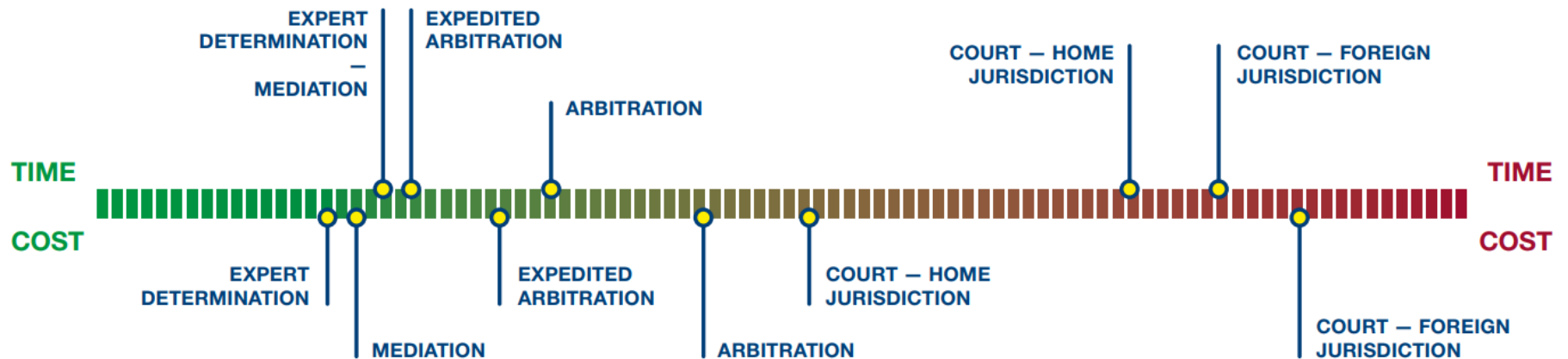
Item No	Submitted By	Date	Subject	Annex
3	WIPO AMC Case Manager	05/04/18 07:27:04	<a href="#">DOC Main Case File 3</a>	[ Add ]
2	WIPO AMC Case Manager	05/04/18 07:27:03	<a href="#">DOC Main Case File 2</a>	[ Add ]
1 ↓	WIPO AMC Case Manager	05/04/18 07:27:00	<a href="#">Main Case File 1</a>	3 [ Add ]
1.1		05/04/18 07:28:26	<i>Annex1</i>	[ Add ]
1.2		05/04/18 07:28:26	<i>Annex2</i>	[ Add ]
1.3		05/04/18 07:28:27	<i>Annex3</i>	[ Add ]

# What are WIPO's cases about?

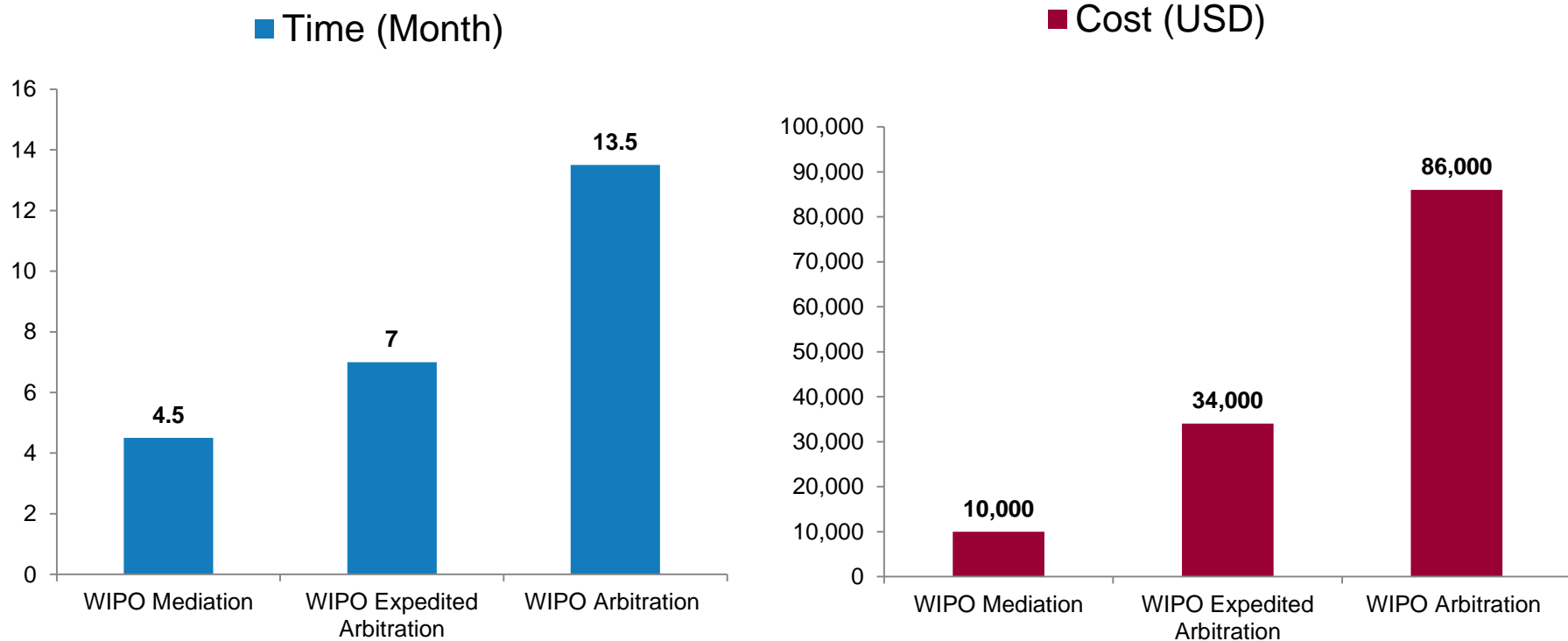
- IP/IT disputes and general commercial disputes
  - Contractual
  - Non-contractual
- Domestic and international disputes (25/75%)
- Case venues around the world
- Amounts in dispute from USD 15,000 to USD 1 billion



# Time and cost: how does IP ADR compare to the courts?



# What does a WIPO case cost?



\* Mostly fees of appointed neutrals; excluding cost of parties' legal representation

## Mediation, (Expedited) Arbitration, Expert Determination Fee Calculator

The fees referenced below are estimates, in **United States dollars**. Final amounts payable are to be decided in consultation with the [Center](#).

Type of Procedure

Amount in Dispute in USD

Dispute is not quantifiable or Request does not indicate any claims for a monetary amount

WIPO PCT Filer, Hague System Filer, Madrid System Filer, WIPO Green Technology Provider or Seeker



Registration Fee	No Registration Fee
Administration Fee	USD 375
Mediator's Fee	Amount in dispute up to USD 250,000: USD 2,500. Amount in dispute over USD 250,000: USD 300-USD 600 per hour USD 1,500-USD 3,500 per day.

*For further information and payment details, click on the applicable schedule of fees and costs on the right hand side of the page.*

### Schedule of Fees

- [Mediation](#)
- [Arbitration / Expedited Arbitration](#)
- [Expert Determination](#)
- [Emergency Relief Proceedings \(Effective from June 1, 2014\)](#)



# Tackling cybersquatting: Uniform Domain Name Dispute Resolution Policy (UDRP)

- 1999: WIPO-created international ADR procedure
- Allows trademark owners to resolve “clear-cut” cases of abusive domain name registration and use (“cybersquatting”)
- Operates outside the courts, but preserves court option
- Applies via mandatory domain name registration conditions
- Applies to all international domains “old” (.com, etc.) and “new”
- Also available for over 75 country-code domains (including .AU)

# Why do brand owners choose the UDRP?

- 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

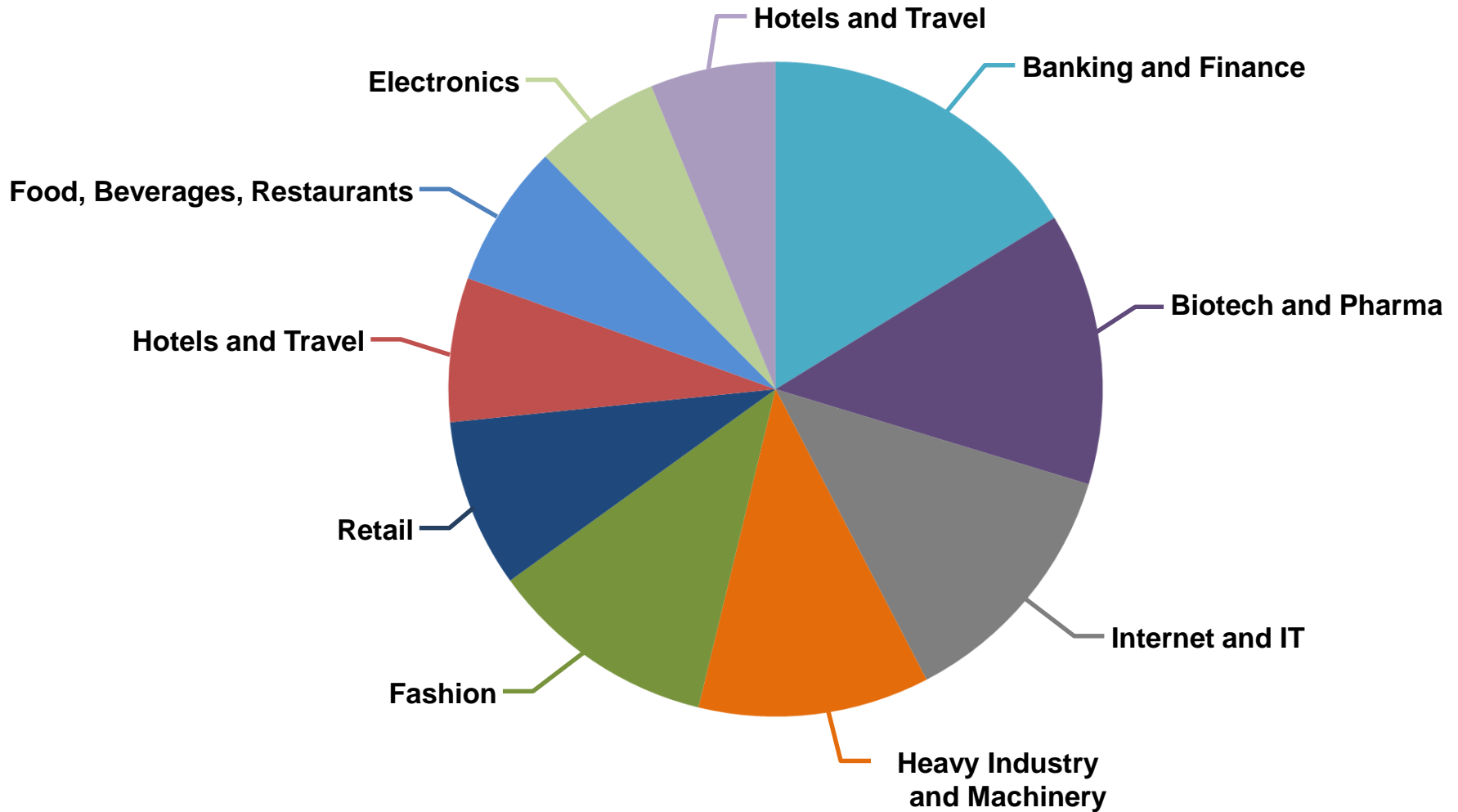
# How is a UDRP case decided?

- Trademark identical or confusingly similar to the domain name; and
- Domain name registrant has no rights or legitimate interests in the domain name; and
- Domain name registered and used in bad faith.

# WIPO domain name cases at a glance

- 20 years' experience
- 43,000+ cases covering 79,000+ domain names
  - 2018 total: 3,447 cases
- Parties based in 177 countries (including Australia and New Zealand)
- Cases in 21 languages
- Paperless filing through WIPO eUDRP
- Panelists based in 63 countries (including Australia and New Zealand)

# WIPO domain name cases – top 10 areas of complainant activity



## Before you file

- WIPO Guide to the UDRP
- WIPO model pleadings (complaint and response)
- WIPO Legal Index of UDRP Decisions
- WIPO Jurisprudential Overview of Selected UDRP Questions



## WIPO Overview of WIPO Panel Views on Selected UDRP Questions, Third Edition (“WIPO Jurisprudential Overview 3.0”)

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*Resulting from WIPO’s care for effective remedies under a sustainable UDRP, this WIPO Jurisprudential Overview reflects, and assists the predictability of, UDRP decisions by panels appointed in WIPO cases.*

### ► [Introduction](#)

### QUESTIONS

- [1. First UDRP Element](#)
- [2. Second UDRP Element](#)
- [3. Third UDRP Element](#)
- [4. Procedural Questions](#)

#### 1. First UDRP Element

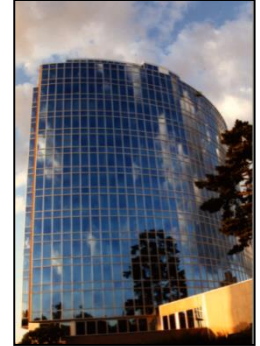
- 1.1 What type of trademark rights are encompassed by the expression “trademark or service mark in which the complainant has rights” in UDRP paragraph 4(a)(i)?
- 1.2 Do registered trademarks automatically confer standing to file a UDRP case?
- 1.3 What does a complainant need to show to successfully assert unregistered or common law trademark rights?
- 1.4 Does a trademark owner’s affiliate or licensee have standing to file a UDRP complaint?

### WIPO UDRP Toolkit

- [UDRP](#)
- [UDRP Rules](#)
- [WIPO Supplemental Rules](#)
- [WIPO Jurisprudential Overview 3.0](#)  
PDF
- [Legal Index of WIPO UDRP Panel Decisions](#)
- [Search WIPO Cases and WIPO Panel Decisions](#)
- [WIPO Model Complaint](#)
- [WIPO Model Response](#)
- [Schedule of Fees](#)

# WIPO Arbitration and Mediation Center

- Queries: [arbiter.mail@wipo.int](mailto:arbiter.mail@wipo.int)
- Clauses: [www.wipo.int/amc/en/clauses](http://www.wipo.int/amc/en/clauses)
- Rules: [www.wipo.int/amc/en/rules](http://www.wipo.int/amc/en/rules)
- Neutrals and case examples: [www.wipo.int/amc](http://www.wipo.int/amc)
- Endorse the WIPO Mediation Pledge:  
<https://www.wipo.int/amc/en/mediation/pledge.html>
- Domain Names: [www.wipo.int/amc/en/domains/](http://www.wipo.int/amc/en/domains/)
- Offices:
  - Geneva, Switzerland
  - Singapore, Singapore









# **Global Databases for Intellectual Property Platforms and Tools for the Connected Knowledge Economy**

Sandrine Ammann  
Marketing and Communications Officer  
Global Infrastructure Sector, WIPO

**New Zealand  
April 8-11, 2019**

1995. 11

1994. 11

1992 ⑪

1991 ⑪

2016 ⑪

2014 ⑪

2012 ⑪

2012 ⑪

2003 ⑪

2002 ⑪

2001 ⑪



18. Vir-Voll

1. H-I

2. J

3. K-L

4. M-N

5. O-P

6. Q-R

7. S-T

6. M-M

7. Mo-Me

8. Nu-Nu

9. O-O

10. P-P

11. Q-Q

12. R-R

19. Wart-Wart

2. Pra-Pre

3. Post-Post

4. Pra-Pre

5. Post-Post

6. Pra-Pre

7. Post-Post

9. Po

# IP Documents

■ Patents: 73,180,000

■ Brands: 37,600,000

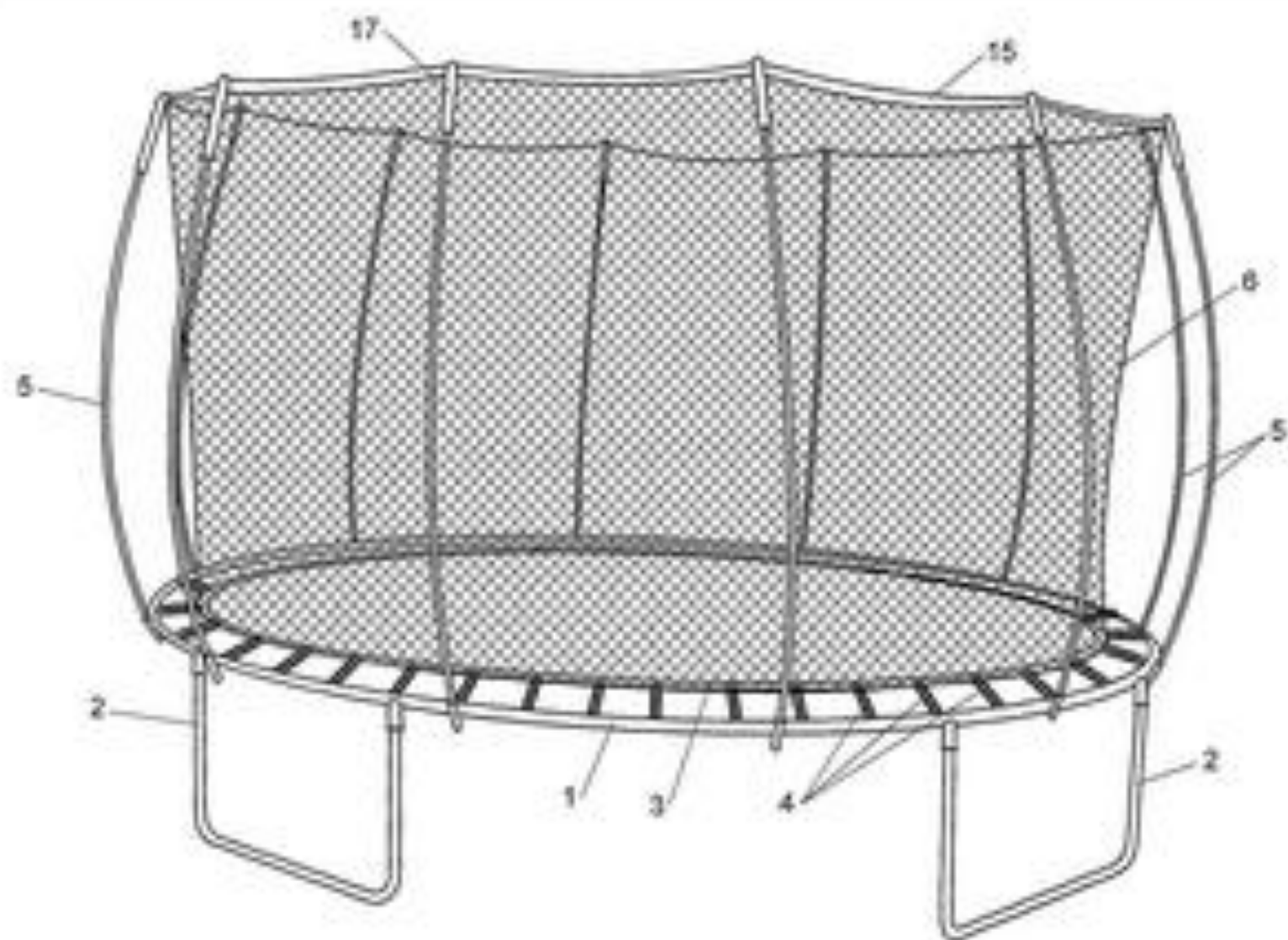
■ Designs: 10,427,000

■ Total number of documents: **121,207,000**

# WIPO databases

- PATENTSCOPE
- Global Brand Database
- Global Design Database
- WIPO Lex







# <https://patentscope.wipo.int/>



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Front Page

trampoline



Office:All

Search

**i** PCT Publication 45/2018 (08.11.2018) is now available. The next publication date is scheduled as follows: Gazette number 46/2018 (15.11.2018). [More](#)

Refine Search ALLNAMES:(Keith Alexander) AND EN\_AB:trampoline

Search



## Analysis

Countries		IPC		Inventor		Applicant		Pub Date	
Name	No	Name	No	Name	No	Name	No	Date	No
United States	14	A63B	68	Alexander Keith Vivian	14	BOARD & BATTEN INTERNATIONAL INC.	22	2009	3
PCT	14	A01N	3	ALEXANDER KEITH VIVIAN	13	BOARD & BATTEN INT INC	13	2010	5
European Patent Office	13	A41G	3	ALEXANDER, KEITH VIVIAN	11	ALEXANDER, Keith, Vivian	8	2011	6
Canada	9			ALEXANDER, Keith, Vivian	8	BOARD & BATTEN INTERNATIONAL INC	8	2012	2
Australia	5			ALEXANDER, Keith Vivian	4	Board & Batten International Inc.	8	2013	1
China	4			ALEXANDER, Keith, Vivian,	3	Alexander, Keith Vivian	5	2014	4
India	4			Keith Vivian Alexander	3	ALEXANDER, Keith Vivian	4	2015	1
Denmark	2			ALEXANDER Keith Vivian	2	Board & Batten Internat Inc.	4	2016	2

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Int.Class	Title	Applicant	Ctr	PubDate
1. WO/2004/062738	LEG STRUCTURE FOR A TRAMPOLINE		WO	29.07.2004
A63B 5/11	PCT/NZ2004/000005	BOARD & BATTEN INTERNATIONAL INC.		ALEXANDER, Keith, Vivian
<p>A leg structure (40) for a trampoline having a base frame formed from a plurality of interconnectable base section includes two end sections (46,48) two end sections (42,44) arranged to support respective adjacent base sections, and a central section (54) arranged to support the base sections supported by the end sections at the point of attachment of the base sections. The trampoline support frame has the base frame and a plurality of leg structures (40) supporting joins between respective pairs of adjacent base sections. The trampoline has a flexible mat (1), a base frame formed from a plurality of interconnectable base sections (46, 48), a plurality of resiliently flexible rods (2) each having a lower end retained in the base frame and an upper end retained in the flexible mat, and leg structures (40) supporting joins between respective pairs of adjacent base sections (46, 48).</p>				
2. WO/2004/062739	FRAME STRUCTURE FOR A TRAMPOLINE		WO	29.07.2004
A63B 5/11	PCT/NZ2004/000006	BOARD & BATTEN INTERNATIONAL INC.		ALEXANDER, Keith, Vivian
<p>A trampoline support frame is made up of a base frame (3) and tubular holders (8) arranged to retain the lower ends of respective resiliently flexible rods (2), with the tubular holders (8) located at least partly within the base frame (3). The base frame may have a number of interconnectable base sections (4, 5). The base sections may be coupled by an extending tongue portion (6) of on base section engaging into a recess (7) in an adjacent base section. The tongue portion of each base section may be provided with a slot arranged to receive at least one of the tubular holders of the adjacent base section. A trampoline has a flexible mat (1), the base frame (3), and a number of resiliently flexible rods (2) each having an upper end retained in the flexible mat and a lower end retained in a respective tubular holder (8).</p>				
3. WO/2005/035070	IMPROVED ROD CONSTRUCTION FOR SOFT-EDGED TRAMPOLINES		WO	21.04.2005

# Why should you do a patent search

- Does it already exist?

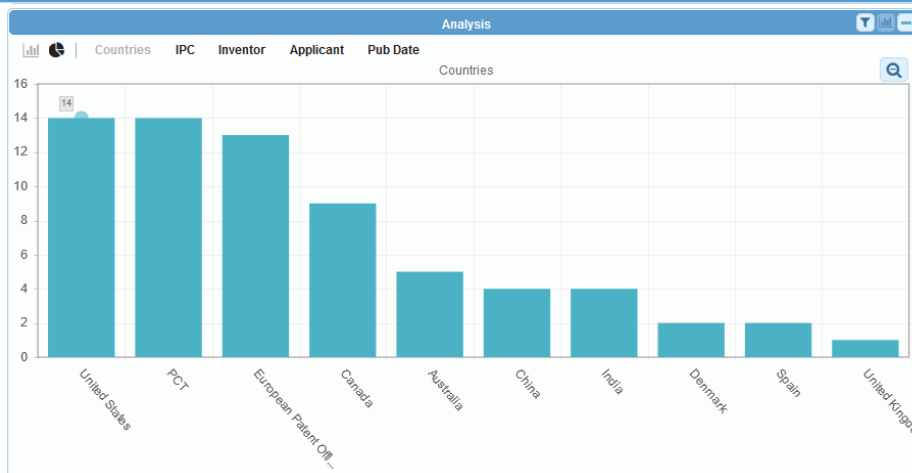
Refine Search ALLNAMES:(Keith Alexander) AND EN\_AB:trampoline

Search



## Analysis

Countries	
Name	No
United States	14
PCT	14
European Patent Office	13
Canada	9
Australia	5
China	4
India	4
Denmark	2



Pub Date		
No	Date	No
22	2009	3
13	2010	5
8	2011	6
8	2012	2
8	2013	1
5	2014	4
4	2015	1
4	2016	2

Sort by: Relevance

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List Length 10

Machine translation

 Side-by-side

Title	Ctr	PubDate
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## 1. WO/2004/062738 LEG STRUCTURE FOR A TRAMPOLINE

WO 29.07.2004

A63B 5/11

PCT/NZ2004/000005

BOARD &amp; BATTEN INTERNATIONAL INC.

ALEXANDER, Keith, Vivian

A leg structure (40) for a trampoline having a base frame formed from a plurality of interconnectable base section includes two end sections (46,48) two end sections (42,44) arranged to support respective adjacent base sections, and a central section (54) arranged to support the base sections supported by the end sections at the point of attachment of the base sections. The trampoline support frame has the base frame and a plurality of leg structures (40) supporting joins between respective pairs of adjacent base sections. The trampoline has a flexible mat (1), a base frame formed from a plurality of interconnectable base sections (46, 48), a plurality of resiliently flexible rods (2) each having a lower end retained in the base frame and an upper end retained in the flexible mat, and leg structures (40) supporting joins between respective pairs of adjacent base sections (46, 48).

## 2. WO/2004/062739 FRAME STRUCTURE FOR A TRAMPOLINE

WO 29.07.2004

A63B 5/11

PCT/NZ2004/000005

BOARD &amp; BATTEN INTERNATIONAL INC.

ALEXANDER, Keith, Vivian

A trampoline support frame is made up of a base frame (3) and tubular holders (8) arranged to retain the lower ends of respective resiliently flexible rods (2), with the tubular holders (8) located at least partly within the base frame (3). The base frame may have a number of interconnectable base sections (4, 5). The base sections may be coupled by an extending tongue portion (6) of on base section engaging into a recess (7) in an adjacent base section. The tongue portion of each base section may be provided with a slot arranged to receive at least one of the tubular holders of the adjacent base section. A trampoline has a flexible mat (1), the base frame (3), and a number of resiliently flexible rods (2) each having an upper end retained in the flexible mat and a lower end retained in a respective tubular holder (8).

## 3. WO/2005/035070 IMPROVED ROD CONSTRUCTION FOR SOFT-EDGED TRAMPOLINES

WO 21.04.2005

# Why should you do a patent search

- Does it already exist?
- What are my competitors doing?
- Are there any licensing opportunities?
- Who could be my partners?
- Any expired patents I could use?
- What are the latest trends?

Refine Search ALLNAMES:(Keith Alexander) AND EN\_AB:trampoline

Search



## Analysis

Countries		IPC		Inventor		Applicant		Pub Date	
Name	No	Name	No	Name	No	Name	No	Date	No
United States	14	A63B	68	Alexander Keith Vivian	14	BOARD & BATTEN INTERNATIONAL INC.	22	2009	3
PCT	14	A01N	3	ALEXANDER KEITH VIVIAN	13	BOARD & BATTEN INT INC	13	2010	5
European Patent Office	13	A41G	3	ALEXANDER, KEITH VIVIAN	11	ALEXANDER, Keith, Vivian	8	2011	6
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India	4			Keith Vivian Alexander	3	ALEXANDER, Keith Vivian	4	2015	1
Denmark	2			ALEXANDER Keith Vivian	2	Board & Batten Internat Inc.	4	2016	2

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Machine translation

 Side-by-side

Int.Class	Appl.No	Title	Applicant	Ctr	PubDate
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## 1. WO/2004/062738 LEG STRUCTURE FOR A TRAMPOLINE

WO 29.07.2004

A63B 5/11

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BOARD &amp; BATTEN INTERNATIONAL INC.

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## 2. WO/2004/062739 FRAME STRUCTURE FOR A TRAMPOLINE

WO 29.07.2004

A63B 5/11

PCT/NZ2004/000006

BOARD &amp; BATTEN INTERNATIONAL INC.

ALEXANDER, Keith, Vivian

A trampoline support frame is made up of a base frame (3) and tubular holders (8) arranged to retain the lower ends of respective resiliently flexible rods (2), with the tubular holders (8) located at least partly within the base frame (3). The base frame may have a number of interconnectable base sections (4, 5). The base sections may be coupled by an extending tongue portion (6) of on base section engaging into a recess (7) in an adjacent base section. The tongue portion of each base section may be provided with a slot arranged to receive at least one of the tubular holders of the adjacent base section. A trampoline has a flexible mat (1), the base frame (3), and a number of resiliently flexible rods (2) each having an upper end retained in the flexible mat and a lower end retained in a respective tubular holder (8).

## 3. WO/2005/035070 IMPROVED ROD CONSTRUCTION FOR SOFT-EDGED TRAMPOLINES

WO 21.04.2005

# Cross-lingual Expansion

Cross Lingual Expansion [↗](#)

[Help]

Search For: \*

Query Language:  ▼

Expansion Mode:  ▼

Precision  Recall

# Languages

- Chinese
- Danish
- Dutch
- English
- French
- German
- Italian
- Japanese
- Korean
- Polish
- Portuguese
- Russian
- Spanish
- Swedish



Countries		IPC		Inventor		Applicant		Pub Date	
Name	No	Name	No	Name	No	Name	No	Date	No
42		A63B	34	Alexander Keith Vivian	4	Board & Batten Internat Inc.	4	2009	3
		A63G	3	Wang Zhiyue	3	Donghui Plastics (Shanghai) Co., Ltd.	3	2010	7
		A43B	1	Jin Hongliang	2	Fairweather Trading Ltd.	2	2011	3
		A47G	1	Legg Peter	2	Mo Zhiping	2	2012	3
		B27D	1	Mo Zhiping	2	Alexander Raidt	1	2013	3
		B32B	1	Alexander Raidt	1	Berg Toys B. V.	1		
		D05B	1	Barracrough Gavin	1	Cao Lixi	1		
		E01D	1	Brown Alexander Barracrough	1	Chengdu Yunshan Science and Technology Co., Ltd.	1		
		E04H	1	Cao Lixi	1	Eurotramp Trampoline Kurt Hack	1		

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Int.Class	Appl.No	Title	Wipo Translate	Ctr	PubDate	Inventor
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### 31. 103007483 Trampoline

A63B 5/11 201310009857.5

苏州益童

CN 03.04.2013  
孔德修

The invention relates to a trampoline which comprises a bed frame, wherein a bullet surface and a surrounding edge are arranged on the bed frame, a plurality of protective rods are arranged on the periphery of the bed frame, a protective net is arranged on the protective rod, and the protective net is arranged on the protective rod, and the lower edge of the protective net is connected between the elastic surface and the surrounding edge, a plurality of ropes are arranged on the periphery of the protective net along the periphery of the protective net, a light ring is arranged on the periphery of the surrounding edge, and a pressure sensor is arranged in the elastic surface, one end of the pressure sensor is connected with the diaphragm, and the other end of the pressure sensor is connected with a power supply device. The bouncing bed provided by the invention is provided with the protection net, so that the bouncing bed is safe and firm, and the light ring is additionally arranged on the bouncing bed, the light of the diaphragm is controlled by the pressure applied to the elastic surface during bouncing of an user, so that the method is more interesting.

### 32. 100010 Shape weaving rebounder making process and apparatus

A63B 5/11 200510062180.7

Huang Yongjun

Huang Yongjun

The present invention is strap weaving rebounder making process and apparatus. The making process includes the steps of preparing material, netting, aligning with special mold, sewing with an improved industrial sewing machine, and correcting. By means of improved aligning tool and improved industrial sewing machine, the made rebounder has high quality and lowered making cost. The present invention makes it possible to raise rebounder sport level and popularize rebounder sport.

### 33. 102264438 Trampoline padding element, trampoline padding cover and trampoline padding assembly

A63B 6/00 200980152709.0

Berg Toys B. V.

CN 30.11.2011  
Van Den Berg Hendrik

Trampoline padding element for a trampoline padding assembly is usable on a trampoline, wherein the trampoline padding element is adapted to cooperate with a trampoline padding cover to form said trampoline padding assembly, the trampoline padding element is of a resilient material and is adapted to at least partly cover rigid and/or moving parts of the trampoline, wherein the trampoline padding element comprises a protection element, preferably provided along an outer circumferential edge of the trampoline padding element, the protection element in use is at least positioned above an upper frame, more in particular above a top rail of the upper frame, of the trampoline. The invention further relates to a trampoline padding cover and a trampoline padding assembly.



Machine translation

48. (CN205759365) 一种蹦床

National Biblio. Data

Description

Claims

Drawings

Documents

PermaLink

Application Number: 202016000477551 Application Date: 21.05.2016

Publication Number: 205759365 Publication Date: 07.12.2016

Publication Kind : U

IPC: A63B 5/11

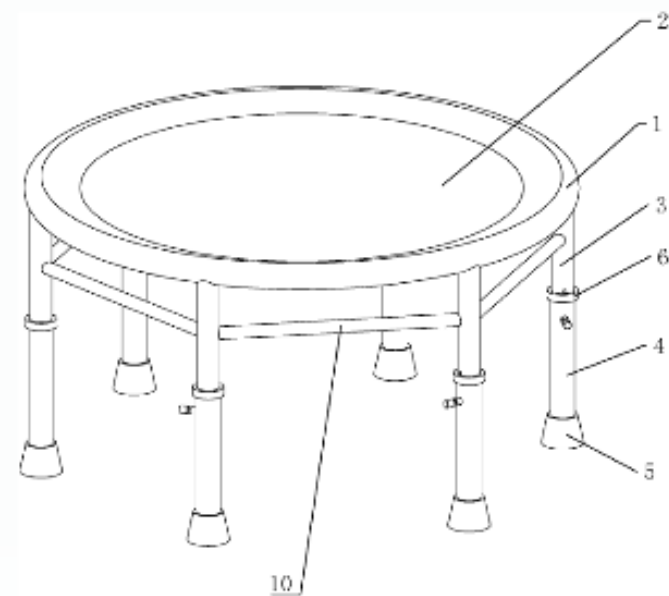
Applicants: 嘉兴市欧家旅游用品有限公司

Inventors: 张波

Priority Data:

Title: (ZH) 一种蹦床

**Abstract:** (ZH) 本实用新型公开了一种蹦床,解决了蹦床放置在不平整的地面上时,不能放置稳定而影响蹦床使用安全性的问题,其技术方案要点是一种蹦床,包括框架、连接在框架上的蹦床布和支撑框架的支撑杆,所述支撑杆包括上脚架和下脚架,上脚架一端固定连接在框架上,另一端与下脚架套接,上脚架与下脚架之间有可调节两者竖直方向相对位置的调节机构,达到了蹦床即使放置在不平整的地面上,也能通过调节每条支撑杆的长度使蹦床能平稳放置,从而增加蹦床的使用安全性。



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

# 一种蹦床

## 技术领域

本实用新型涉及一种运动器材，更具体地说，它涉及一种蹦床。

## 背景技术

蹦床是用弹面做成的供人们弹跳的一种运动器材。蹦床的主要作用是供人们运动或者娱乐。

目前，公开号为CN204910597U的中国专利公开了一种可调节倾斜角度的蹦床，它包括框架、用于支撑框架的脚架部、设于框架上的蹦床布，还包括长度可调节的支撑部，所述脚架部铰接在框架上，所述支撑部的两端分别铰接于脚架部以及框架上。

这种蹦床虽然能通过铰连的脚架部来调节整个蹦床的倾斜角度，在地面平整但有一定倾斜角度的条件下能平稳的放置蹦床，但当蹦床所处的地面为不平整的地面时，脚架部会出现一些脚架能触碰到地面而另一些会由于长度关系而碰不到地面，蹦床就不能平稳的放置在地面上，则蹦床在使用的过程中安全性会大大降低。

## 实用新型内容

针对现有技术存在的不足，本实用新型在于提供一种能通过调节单个支撑杆长度使蹦床放置更加平稳，从而使蹦床的使用更加安全的蹦床。

为实现上述目的，本实用新型提供了如下技术方案：一种蹦床，包括框架、连接在框架上的蹦床布和支撑框架的支撑杆，所述支撑杆包括上脚架和下脚架，上脚架一端固定连接在框架上，另一端与下脚架套接，上脚架与下脚架之间有可调节两者竖直方向相对位置的调节机构。

通过采用上述技术方案，用于支撑蹦床的支撑杆通过上下脚架套接形成，并且通过调节机构使得每根脚架都能单独调节长度，则在不平整的地面放置蹦床的时候，通过单独调节每一根脚架的长度，从而达到每一根脚架都能支撑在地面上，则蹦床就可以平稳的放置在地面上，达到使蹦床使用更安全的目的。

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

## Claims

1. Trampoline, comprising frame, trampoline connected to frame, and support frame (1), and is characterized in that the supporting rod comprises an upper foot frame and a lower foot frame (4), one end of the upper foot rest is fixedly connected to the frame, and the other end of the upper foot rest is connected with the lower foot rest (4) in a sleeving manner; an adjusting mechanism capable of adjusting the relative position in two vertical directions is arranged between the upper foot rest and the lower foot stand;

2. The trampoline according to claim 1, wherein the adjusting mechanism comprises a first pin column (7), and a pin column groove is formed in the lower foot frame (41); the first pin column is inserted into the pin column groove; the upper foot frame (3) and a plurality of holes matched with the inner ends of the pin columns in an inserted mode are formed in the length direction of the pin column

3. The trampoline according to claim 2, characterized in that: and a mounting box is arranged at the position, on the upper pin column groove of the lower foot frame, of the upper pin column groove (42), and the first pin column penetrates through the installation box and is inserted into the pin column groove (41); a spring is arranged in the mounting box; the spring (8) is arranged on the first pin column in a sleeved mode; the first pin column (7) is provided with a stop piece, and the stop piece is located on the spring (8) and the outer surface of the foot rest; one end of the spring is abutted against the stop piece (72); the other end of the connecting rod is abutted against the inner wall of the mounting box;

4. The trampoline according to claim 2, characterized in that the first pin column (7) is arranged away from the foot rest; a pin column cap is arranged at the other end, far away from the foot rest,

5. The trampoline according to claim 1, characterized in that the lower leg frame (4) is arranged away from the upper foot rest,

6. The trampoline according to claim 5, characterized in that the anti-skid sleeve (5) is in a circular truncated cone shape; the area of the upper end surface of the anti-skid sleeve is smaller than that of the lower end surface;

7. The trampoline according to claim 1, characterized in that the lower leg frame and the upper foot frame (3) is sleeved with a sealing ring; the sealing ring is fixed on the lower foot frame (4) with a port at one end connected with the upper foot stand

8. The trampoline according to claim 1, and is characterized in that a fixing strip is connected between the supporting rods

9. The trampoline according to claim 1, wherein the adjusting mechanism comprises a second pin column (9) and a rack; a vertically-arranged pin column groove is formed in the upper foot rack; the rack (33) is arranged in the groove, and one end, close to the rack, of the second pin column is provided with an energy source capable of being connected with the rack (33); the second pin column penetrates through the pin column groove to be

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Text to be translated:

本发明公开了一种多用途的园林维护设备，其结构包括移动维修机、轮胎、滚轴、底盘、开关控制器、推把；为了实现多用途的园林维护设备能够实现打药和洒水并且移动方便，可以修枝剪叶清理地面杂草和落叶，移动维修机下设有轮胎，便于移动，驱动机构可以带动剪切机构对园林的植物进行修枝剪叶，通过地面清理装置能够将地面的杂草和落叶收集到垃圾收集框内，浇水装置配合注水室可以将药水直接浇注到植物上，推动柱带动洒水机构能够对地面进行洒水，提高了工作效率。

Language pair:

Chinese->English (Neural MT) ▾

Domain:

ADMN-Admin, Business, Management & Soc Sci ▾

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the invention discloses a multipurpose garden maintenance device which structurally comprises a mobile maintenance machine, a rolling shaft, a chassis, a switch controller and a push handle; in order to realize multi-purpose garden maintenance equipment, insecticide and watering can be realized, and the multifunctional garden maintenance equipment is convenient to move., the pruning blade can be used for clearing away weeds and fallen leaves on the ground, and a tire is arranged below the mobile maintenance machine, and the driving mechanism can drive the shearing mechanism to perform pruning and leaf shearing on the plants of the garden., and weeds and fallen leaves on the ground can be collected into the garbage collecting frame through the ground cleaning device., the watering device is matched with the water injection chamber, so that the liquid medicine can be directly poured on the plant, the pushing column drives the watering mechanism to spray water on the ground, and the working efficiency is improved.

Edit translation

本发明公开了一种多用途的园林维护设备，其结构包括移动维修机、轮胎、滚轴、底盘、开关控制器、推把；为了实现多用途的园林维护设备能够实现打药和洒水并且移动方便，可以修枝剪叶、清理地面杂草和落叶，**移动**维修机下设有轮胎，便于移动，驱动机构可以带动剪切机构对园林的植物进行修枝剪叶，通过地面清理装置能够将地面的杂草和落叶收集到垃圾收集框内，洒水装置配合注水室可以将药水直接滴注到植物上，推动柱带动洒水机构能够对地面进行洒水，提高了工作效率。

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the invention discloses a multipurpose garden maintenance device which structurally comprises a mobile maintenance machine, a rolling shaft, a chassis, a switch controller and a push handle; in order to realize multi-purpose garden maintenance equipment, insecticide and watering can be realized, and the multifunctional garden maintenance equipment is convenient to move., **the pruning blade can be used for clearing away weeds and fallen leaves on the ground, and a tire is arranged below the mobile maintenance machine**, and the driving mechanism can drive the shearing

Choose among proposals, or edit the text

the pruning blade can be used for clearing away weeds and fallen leaves on the ground, and a tire is arranged below the mobile maintenance machine ...

Ok

the pruning blade can be used for clearing away weeds and fallen leaves on the ground, and a tire is arranged below the mobile maintenance machine

the pruning blade can be used for cleaning **the ground weeds and the fallen leaves**, and a tire is arranged below the mobile maintenance machine

the pruning blade can be used for cleaning **the ground weeds and the fallen leaves, and a tire is arranged under** the mobile maintenance machine

the pruning blade can be used for clearing away weeds and fallen leaves on the ground, and a tire is arranged **under** the mobile maintenance machine

the pruning blade can be used for cleaning **the ground weeds and fallen leaves**, and a tire is arranged below the mobile maintenance machine

the pruning blade can be used for cleaning **the ground weeds and the fallen leaves, and the tire is arranged below** the mobile maintenance machine

the pruning blade can be used for cleaning **the ground weeds and the fallen leaves, and the tire is arranged under** the mobile maintenance machine

the pruning blade can be used for cleaning **the ground weeds and fallen leaves, and a tire is arranged under** the mobile maintenance machine

the pruning blade can be used for clearing away weeds and fallen leaves on the ground, and **the tire is arranged below** the mobile maintenance machine

the pruning blade can be used for cleaning **the ground weeds and the fallen leaves, and a tire is arranged below the movable** maintenance machine

the pruning blade can be used for cleaning **ground weeds and fallen leaves**, and a tire is arranged below the mobile maintenance machine

the pruning blade can be used for cleaning **the ground weeds and the fallen leaves, and a tire is arranged under the movable** maintenance machine

the pruning **shears** can be used for clearing away weeds and fallen leaves on the ground, and a tire is arranged below the mobile maintenance machine

the pruning **shears can be used for cleaning the ground weeds and the fallen leaves**, and a tire is arranged below the mobile maintenance machine

the pruning blade can be used for clearing away weeds and fallen leaves on the ground, and a **t**(i)re is arranged below the mobile maintenance machine

the pruning blade can be used for clearing away weeds and fallen leaves on the ground, and **the tire is arranged under** the mobile maintenance machine

the pruning blade can be used for clearing away weeds and fallen leaves on the ground, and a tire is arranged below the **movable** maintenance machine

the pruning **shears can be used for cleaning the ground weeds and the fallen leaves, and a tire is arranged under** the mobile maintenance machine

the pruning blade can be used for cleaning **ground weeds and fallen leaves, and a tire is arranged under** the mobile maintenance machine

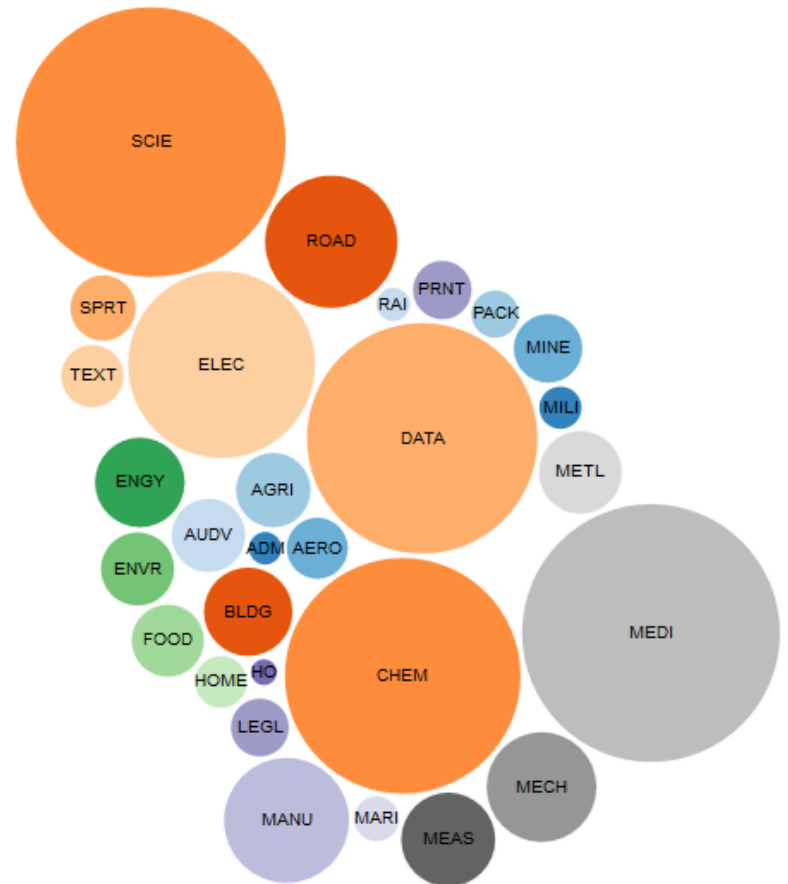
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⌵⌵⌵ Previous models (non-Neural) ⌵⌵⌵



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<input type="button" value="Search"/> <input type="button" value="Reset"/>					

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# Example: bicycle fork

Search Term  Source Language  Target Language
























Subject Field  Abbreviation Only  Exact Search

**Results**

1 HITS for bicycle fork Source Language EN; Target Language Any; Subject Field Any Hide all contexts Show all contexts

1 of 1 ⏪ ⏩ 1 ⏪ ⏩

ROAD / Cycles & non-powered vehicles 🗨

EN	bicycle fork	+	🚩🚩🚩🚩	  	☆☆☆☆☆
DE	Fahrradgabel	+	🚩🚩🚩🚩	  	☆☆☆☆☆
ES	horquilla	+	🚩🚩🚩🚩	  	☆☆☆☆☆
FR	fourche de bicyclette	+	🚩🚩🚩🚩	  	☆☆☆☆☆
KO	포크	+	🚩🚩🚩🚩	  	☆☆☆☆☆
PT	garfo	+	🚩🚩🚩🚩	  	☆☆☆☆☆
ZH	自行车前叉 (zìxíngchē qiánchā)	+	🚩🚩🚩🚩	  	☆☆☆☆☆
JA	自転車フォーク		WIPO MT		☆☆☆☆☆
RU	Вилки велосипеда		WIPO MT		☆☆☆☆☆

1 of 1 ⏪ ⏩ 1 ⏪ ⏩

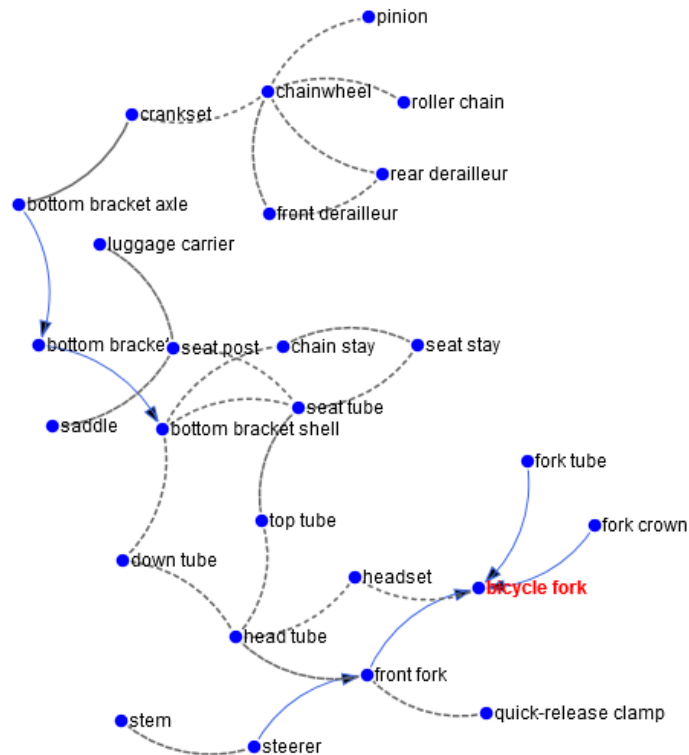
Results

Concept Map

Subject Field ROAD (Road Vehicle & Automotive Engineering)

Subfield Cycles & non-powered vehicles

\*\*\* Associative relation between two concepts — Generic or partitive relation between two concepts ● Concept belongs to a different subject field/subfield



# Chemical compounds

Chemical compounds search [Help]

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Compound name

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Machine translation

Side-by-side

Int.Class	Appl.No	Title	Applicant	Ctr	PubDate
1. 106132204	A01N 43/90	Sildenafil solutions and methods of making and using same	VIGOROUS SOLUTIONS LTD.	CN	16.11.2016
	201580013951.5			ROGOSNITZKY MOSHE	
<p>The invention discloses sildenafil solutions and methods of making and using the same. The invention relates to compositions containing dissolved sildenafil citrate and methods of producing such compositions, wherein sildenafil citrate is dissolved in water mixed with one or more alcohols, and optionally a ketone may be used to enhance solubility. The invention also relates to methods of using such compositions containing dissolved sildenafil citrate utilizing dosages significantly below existing therapeutic dosages of sildenafil citrate.</p>					
2. 105353095	C07D 487/04	一种西地那非及其结构类似物的免疫检测方法	华南农业大学	CN	24.02.2016
	201510782599.3			沈玉栋	
<p>本发明属于免疫检测技术领域,公开了一种西地那非及其结构类似物的免疫检测方法,即以巯基西地那非半抗原制备人工抗原,再制备得到抗体,并用于检测西地那非及其结构类似物,该方法克服了现有检测西地那非技术的缺陷和步骤,对西地那非的最大检测范围为0.024~1.21 ng/mL,灵敏度为0.17 ng/mL,检出限为0.008 ng/mL,回收率为86.0~90.8%,该方法检测快速、大大缩短了检测时间,不考虑检测人员操作熟练程度的影响,整个检测过程仅仅需要80min左右即可完成,且检出限更低、灵敏度更高。</p>					
3. 105250242	A61K 9/70	包含西地那非游离碱的膜制剂及其生产方法	西梯茜生命工学股份有限公司	CN	20.01.2016
	201510567618.0			全泓烈	
<p>本发明公开了一种包含西地那非游离碱的膜制剂及其生产方法。具体地,本发明涉及制备膜的方法,所述膜包含均匀分散于其中的高含量的西地那非游离碱,具有适当的尺寸和厚度,并且还因其柔韧性而不易破损,从而提供了良好操作性。本发明还涉及通过所述方法制备的包含西地那非游离碱的膜。</p>					
4. 102174474	C12N 5/20	Sildenafil monoclonal antibody and colloidal gold chromatography test strip used for detecting sildenafil	Nantong Egen Biology Technic Co., Ltd.	CN	07.09.2011
	201110004722.5				



## 2. (CN105353095) 一种西地那非及其结构类似物的免疫检测方法

National Biblio. Data

Description

Claims

Drawings

Compounds

Documents

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

## 一种西地那非及其结构类似物的免疫检测方法

### 技术领域

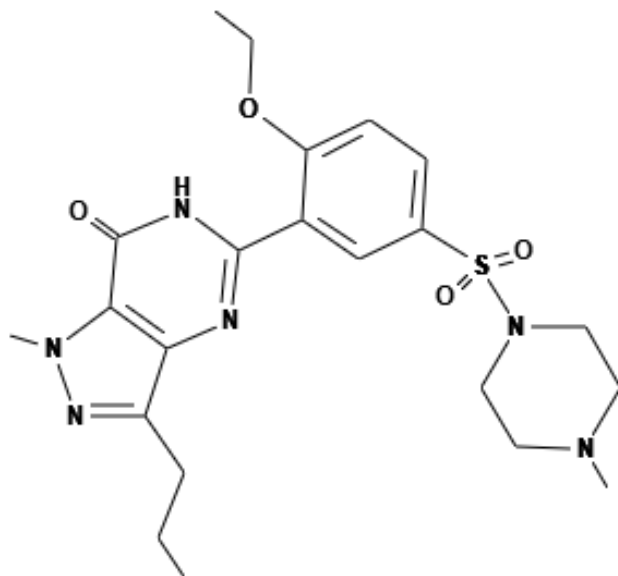
本发明涉及免疫检测技术领域，更背景技术

西地那非为PDE-5抑制剂，用于治疗突出产品的功效，违法在保健食品非、瓦地那非等，对消费者身体健康目前市场的补肾壮阳类、抗疲劳类主要为：西地那非、他达拉非、瓦地那非。食品中有2种添加西地那非，5种添加有PDE-5抑制剂，分别为西地那非、PDE-5抑制剂，分别为西地那非、瓦地那非。安徽铜陵、江苏南通、南京、重庆、保健食品抽检中均检出西地那非等PDE-5抑制剂被非法添加在保健食品、能量饮料

在不知情的情况下服用了添加西地那非的保健食品，会出现头晕、昏晕、甚至青光眼，造成对肾功能、心脏功能、心血管疾病的严重损害。长期服用，还会导致食用者勃起不倒，伤及阴部肌肉组织，甚至加重阳痿，甚至变为永久性阳痿。国内已有内服枸橼酸西地那非后死亡

的报道。因此对西地那非及其结构类似物建立一种快速、有效的检测方法显得尤为重要。

西地那非及其结构类似物的检测最常使用的方法为仪器分析法，沈志武等（2008）利用高效液相色谱法



Sildenafil

的免疫检测方法。

一些保健食品生产企业为添加枸橼酸西地那非、他达拉

非是触目惊心。添加的成分于3月下旬查处的7种保健食品中，7种含的保健食品中，5种含有对，北京、江苏无锡、安徽铜陵、江苏南通、南京、重庆、保健食品抽检中均检出西地那非等PDE-5抑制剂被非法添加在保健食品、能量饮料

副作用，会出现头晕、昏

晕、甚至青光眼，造成对肾功能、心脏功能、心血管疾病的严重损害。长期服用，还会导致食用者勃起不倒，伤及阴部肌肉组织，甚至加重阳痿，甚至变为永久性阳痿。国内已有内服枸橼酸西地那非后死亡

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**Names**  **Office:**All

**star** PCT Publication 08/2019 (21.02.2019) is now available. The next publication date is scheduled as follows: Gazette number 09/2019 (28.02.2019).

### Field Combination

AND	Front Page	=	
AND	Inventor Name	=	Keith Alexander
AND	Application Number	=	
AND	Publication Date	=	
AND	English Title	=	
AND	English Abstract	=	
AND	Applicant Name	=	
AND	International Class	=	trampoline
AND	Inventor Name	=	
AND	Office Code	=	
AND	English Description	=	
AND	English Claims	=	
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AND	Licensing availability	=	

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English Interface

PCT Application/Publication Number

Inventor/Applicant Name

Priority Data

Fee Payment



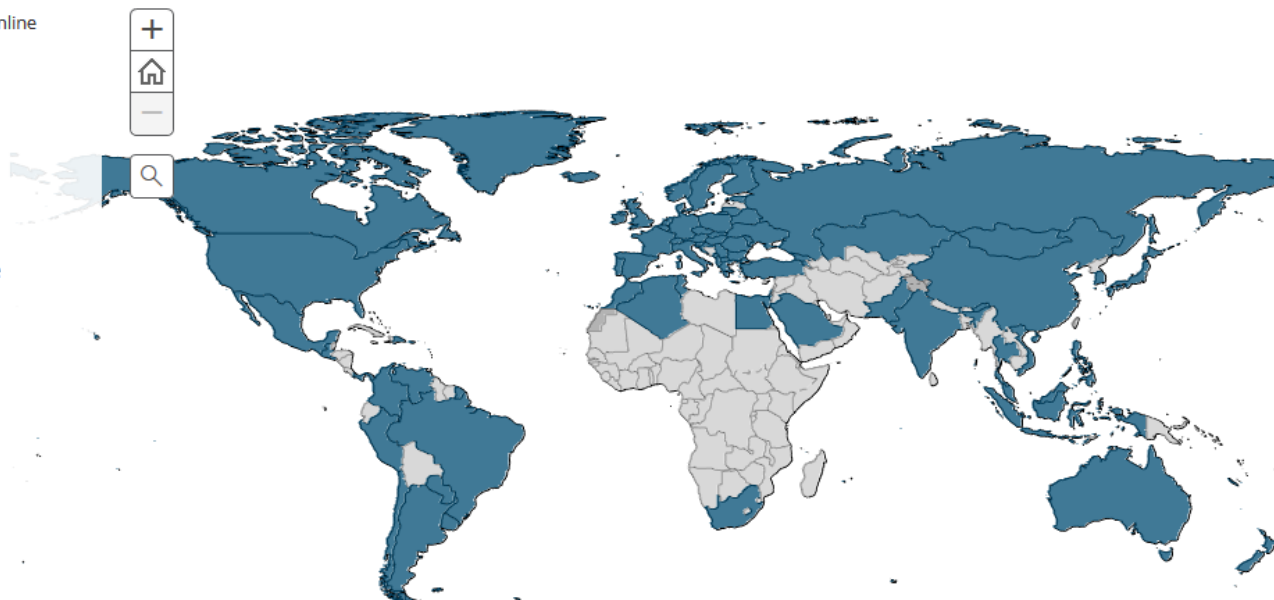
Jurisdictions that have an online patent register

Online Register

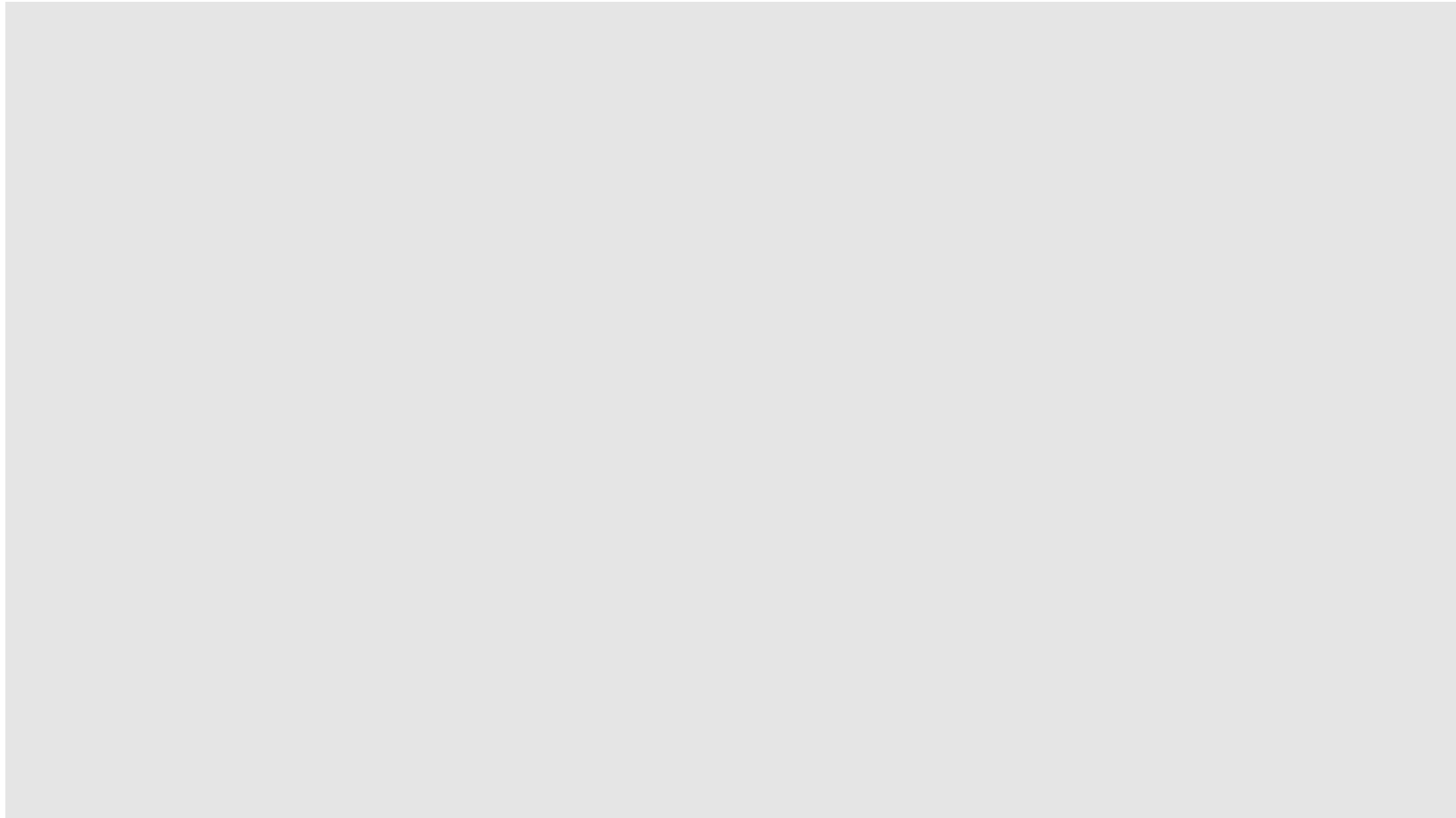
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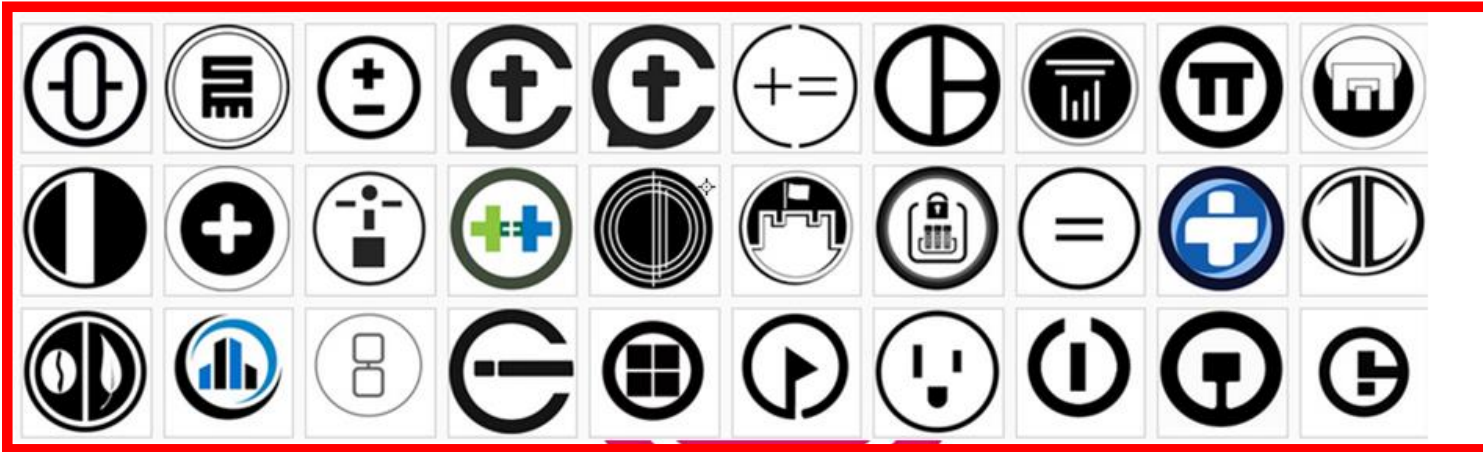


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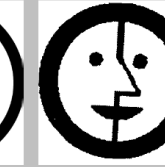





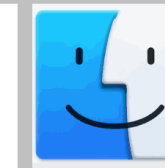
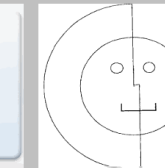
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 04.07.03-Geometric figures or combinations of geometric figures representing a person Score: 10.81  
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 02.01.01-Heads, portraits, busts of men not in profile. Score: 10.16  
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 02.11.16-Smiley faces Score: 9.68  
 26.01.02-Plain single line circles Score: 8.8  
 02.01.31-Stylized men, including men depicted in caricature form Score: 8.52

						
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US87404013.png Similarity: 0.732	US85332948.png Similarity: 0.730	US75731540.png Similarity: 0.721	US77504842.png Similarity: 0.706	US74273614.png Similarity: 0.704	US86486916.png Similarity: 0.699	US76165120.png Similarity: 0.699

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05.05.25-Other flowers including daffodils and irises Score: 8.75  
03.01.14-Other bears Score: 8.44  
03.01.08-Dogs Score: 7.99  
03.13.01-Paws, feet, pawprints, footprints Score: 7.73

 US72432112.png Similarity: 0.826	 US74248198.png Similarity: 0.811	 US73295716.png Similarity: 0.808	 US73673862.png Similarity: 0.783	 US73308927.png Similarity: 0.778	 US74074561.png Similarity: 0.774	 US76019258.png Similarity: 0.772
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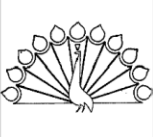


# Before/After



WIPO Labs: AI powered Trademark Similarity Search

File


 03.15.12-Pheasants, peacocks, quail Score: 17.37  
 03.15.24-Stylized birds and bats Score: 16.51  
 01.15.18-More than one drop including teardrops or raindrops Score: 13.28  
 05.05.25-Other flowers including daffodils and irises Score: 12.87  
 03.15.25-Other birds Score: 12.27  
 03.15.19-Birds or bats in flight or with outspread wings Score: 12.25  
 03.15.06-Ducks, geese, swans Score: 12.19

 US73555219.png Similarity: 0.976	 US74576101.png Similarity: 0.942	 US72169221.png Similarity: 0.824	 US73232433.png Similarity: 0.823	 US78559200.png Similarity: 0.803	 US8531965.png Similarity: 0.781	 US7232999.png Similarity: 0.775
 US73211286.png Similarity: 0.743	 US73763915.png Similarity: 0.737	 US78097086.png Similarity: 0.732	 US76716387.png Similarity: 0.723	 US72045991.png Similarity: 0.721	 US72150521.png Similarity: 0.714	 US72264550.png Similarity: 0.714

Page 1/7

# Global Brand Database

Perform a trademark search by text or image in brand data from multiple national and international sources, including trademarks, appellations of origin and official emblems. V: 2019-03-14 15:44

Data from France available 2017-10-09 Over 2,600,000 records added

Data from Iceland available 2017-08-25 Over 100,000 records added

Free webinars 2017-07-24 Join us on Aug. 20 or 31 for a webinar on the Global Brand Database

Data from Thailand available 2017-07-06 Over 730,000 records added

Data from Chile available 2017-04-10 Over 430,000 records added

Data from Viet Nam available 2017-04-10 Over 220,000 records added

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

Data from Mongolia available Over 15,000 records added

NEWS

## SEARCH BY

Brand Names Numbers Dates Class Country

Text =

Image Class =

Goods/Services =

## FILTER BY

Source	Image	Status	Origin	App. Year *	Expiration *
AE TM	0	AU TM	1,674,341	BH TM	0
CL TM	602,514	CR TM	0	DE TM	2,053,792
EG TM	0	EM TM	1,859,334	ES TM	904,099
IL TM	280,259	IS TM	107,255	IT TM	1,181,928
KR TM	3,550,174	KW TM	0	LA TM	46,119
MN TM	71,054	MX TM	1,451,108	MY TM	838,847
				NZ TM	663,732
				OM TM	0
				PG TM	31,855

Display:  Sort:

1 - 60 / 37,808,021

Display: 60 per page

1 / 630,134

Sort by


<https://www.wipo.int/branddb>

# Global Brand Database

Perform a trademark search by text or image in brand data from multiple national and international sources, including trademarks, appellations of origin and official emblems.  
V: 2019-03-15 15:34

<b>International Nonproprietary Names from WHO available</b> Over 9800 records added	2019-02-08	<b>Data from North Macedonia available</b> Over 33500 records added	2018-12-21	<b>Free webinars</b> Global Brand Database Webinars	2018-12-20	<b>Data from Samoa available</b> Over 7000 records added	2018-11-27	<b>Complete refresh of Thailand data</b> Over 900,000 records available	2018-11-27	<b>Free webinars</b> How to read, save & share your results	2018-10-23	<b>Data from Tunisia available</b> Over 89,000 records added	20	<b>NEWS</b>
---	------------	--	------------	--	------------	---	------------	--	------------	--	------------	---	----	-------------

## SEARCH BY

Brand | Names | Numbers | Dates | Class | Country

**Text** = anchor

**Image Class** =

**Goods/Services** =

anchor  
anchors  
anchorage  
anchored  
anchoring  
anchorman  
anchorlek  
anchordesk  
anchora  
anchortx

search

## FILTER BY

Source	Image	Status	Origin	App. Year *	Expiration *
AE TM 166,762	AU TM 1,675,931	BH TM 51,668	BN TM 46,485	CA TM 1,627,950	CH TM 416,846
CL TM 602,514	DE TM 2,055,468	DK TM 291,383	DZ TM 35,806	EE TM 60,039	EG TM 121,063
EM TM 1,661,004	ES TM 904,099	FR TM 2,760,893	GE TM 41,733	ID TM 981,116	IL TM 280,269
IS TM 107,444	IT TM 1,181,928	JO TM 155,030	JP TM 2,169,829	KH TM 92,300	KR TM 3,560,174
KW TM 33,213	LA TM 46,174	MA TM 174,471	MD TM 41,547	MK TM 33,791	MN TM 71,054
MX TM 1,451,703	MY TM 838,847	NZ TM 663,791	OM TM 58,424	PG TM 31,855	PH TM 456,462

Display: List Sort: Value - asc filter

1 - 30 / 37,623,909

Display: 30 per page options

Brand	Origin	Holder	Number	App. Date	Image Class	Nice Cl.	Image
ALPHA LINE	CH TM	Migros-Genossenschafts-Bund	791542018	2019-03-15		16, 28, 41	
REIGN ENERGY	IS TM		V0112465	2019-03-15		32	
RULE ENERGY	IS TM		V0112464	2019-03-15		32	
HEREFORD PRIME	NZ TM	HEREFORD PRIME NZ LIMITED	1116137	2019-03-15	VC.26.01, VC.27.01, VC.27.05	29, 35	
AZ-Form	NZ TM	Formsteel Technologies Limited	1116138	2019-03-15		6, 42	
A ALPHA SECURITY SERVICES	NZ TM	ALPHA SECURITY SERVICES 2016 LIMITED	1116131	2019-03-15	VC.26.11, VC.27.05, VC.27.99	42	
bravesight	NZ TM	BRAVESIGHT LIMITED	1116132	2019-03-15	VC.03.01, VC.26.05, VC.27.05	35, 42	

# Different seaches available

## SEARCH BY

Brand

Names

Numbers

Dates

Class

Country

Text

= ▼

anchor

Image Class

=

e.g. 05.07.13, apple AND tree



Goods/Services

=

e.g. footwear, comput\*

search 🔍



# Narrowing down the results

**FILTER BY**

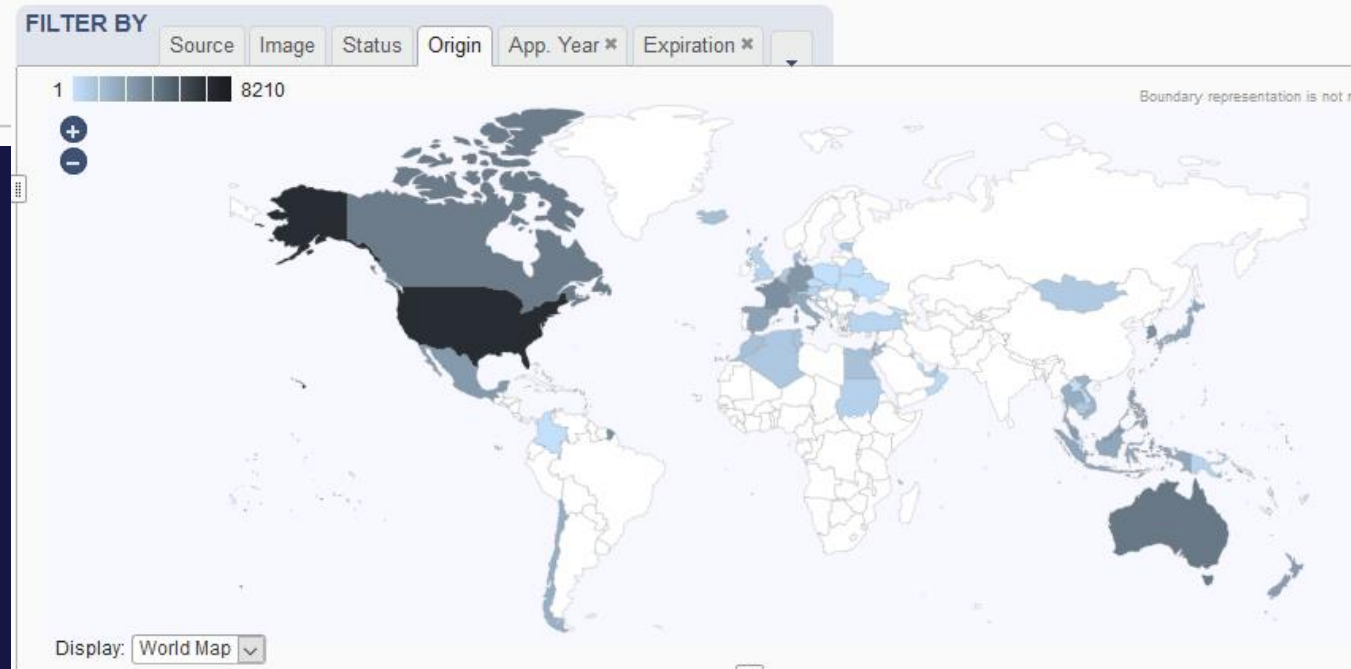
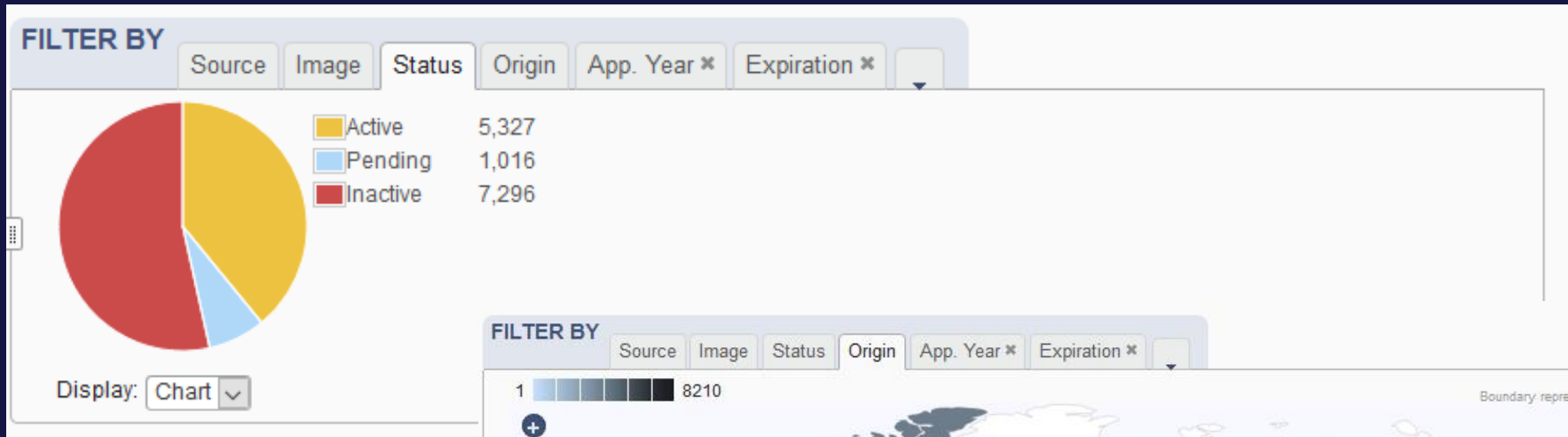
Source Image Status Origin App. Year \* Expiration \*

AE TM	2	AU TM	267	BH TM	13	BN TM	30	CA TM	298	CH TM	31	CL TM	19
DE TM	50	DK TM	12	DZ TM	4	EE TM	9	EG TM	18	EM TM	105	ES TM	10
FR TM	62	GE TM	9	ID TM	75	IL TM	9	IS TM	9	IT TM	26	JO TM	20
JP TM	61	KH TM	32	KR TM	117	KW TM	3	LA TM	23	MA TM	16	MD TM	5
MK TM	1	MN TM	4	MX TM	34	MY TM	319	NZ TM	196	OM TM	0	PG TM	10
PH TM	141	SG TM	115	SD TM	9	TH TM	80	TN TM	6	TO TM	4	US TM	1,301

Display: List Sort: Value - asc

filter

# Statistical/trend information



849670 - Anchor ; Anchor ; Anchor ; Anchor

Status: Registered (2012-02-07)

**(151) Date of the registration**

2012-02-07

**(210) Serial number of the application**

849670

**(220) Date of filing of the application**

2010-08-31

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

2020-08-31

**(541) Reproduction of the mark where the mark is represented in standard characters**

Anchor ; Anchor ; Anchor ; Anchor

**(540) Mark****(531) International Classification of the Figurative Elements of Marks (Vienna Classification)**

**1** 18.04.02, 27.05.17, 27.05.08, 09.01.07.; 18.04.02, 27.05.17, 27.05.08, 09.01.07.; 18.04.02, 27.05.17, 27.05.08, 09.01.07.; 18.04.02, 27.05.17, 27.05.08, 09.01.07.

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

Individual - Word, Figurative

**(731) Name and address of the applicant**

NEW ZEALAND MILK BRANDS LIMITED  
 Physical Address: 9 Princes Street  
 1010 Auckland Central, Auckland (NZ)  
 Postal Address: 9 Princes Street  
 1010 Auckland Central, Auckland (NZ)

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

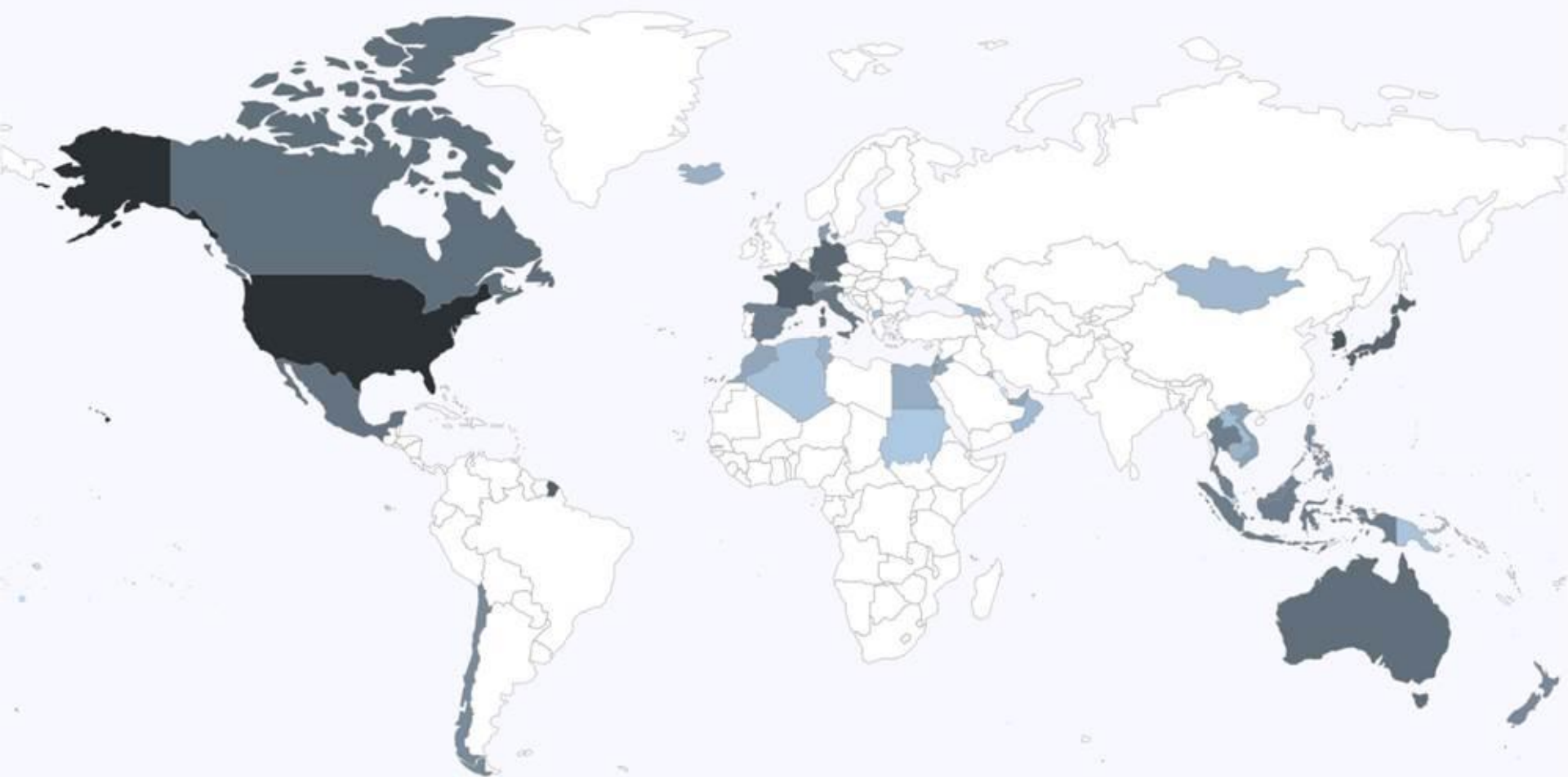
AJ PARK  
 Physical Address: State Insurance Tower  
 Level 22, 1 Willis Street, Wellington 6011 (NZ)  
 Postal Address: PO Box 949  
 6140 Wellington (NZ)

**(750) Address for correspondence**

State Insurance Tower  
 Level 22, 1 Willis Street, Wellington 6011 (NZ)

**(511) The International Classification of Goods and Services for the Purposes of the Registration of Marks (Nice Classification) and the list of goods and services classified according thereto**

- 5 Dietetic foods and beverages; dietetic substances adapted for medical use; health foods and products; food for babies and infants including milk powder for babies and infants; nutritional additives, supplements and cultures; food supplements for medical purposes; mineral supplements for foodstuffs; vitamins and vitamin formulations for human consumption; pharmaceutical preparations and veterinary preparations in the nature of foodstuffs and food ingredients for humans or animals; bacteriological and/or probiotic cultures, preparations and substances; cultures of micro-organisms.
- 29 Dairy products and dairy foods in this class; dairy based beverages and powders; milk; milk and milk based products; ultra high temperature (UHT) milk; extended shelf life (ESL) milk; milk concentrate; milk protein; milk powder and dried milk; flavoured milk powders; milk substitutes in this class; milk beverages including flavoured and fortified milk beverages (milk predominating); cream; butter; edible oils and fats; margarine and food spreads including blends of margarine, butter and other edible oils; products included in this class consisting wholly or principally of edible oils or of edible fats for use in creaming coffee and like drinks; proteins and protein products for human consumption; cheese including brie, cheddar, colby, cream, edam, emmental, feta, gouda, gruyere, haloumi, havarti, mozzarella, parmesan, romano, swiss; cultured dairy products; dairy products incorporating yoghurt; yoghurt and yoghurt preparations; probiotic products in this class and/or products incorporating probiotic and/or bacteriological cultures, substances or preparations; drinking yoghurt and non-alcoholic drinks containing yoghurt and/or probiotic and/or bacteriological cultures, substances or preparations; dessert products in this class (dairy products predominating); dairy snacks (milk and dairy products predominating); whey; casein; food spreads consisting principally of dairy products; food preserves in this class; jellies for food; custard in this class; food dips in this class.
- 32 Mineral and aerated waters and other non-alcoholic drinks; bottled and packaged water; still water; sparkling water; spring water; purified water; flavoured water; water containing fruit juice or fruit flavourings; fortified water; whey beverages; isotonic beverages; hydrolysed beverages; fruit drinks and fruit juices; fruit based drinks; fruit flavoured non-alcoholic drinks; smoothies (fruit beverages, fruit predominating); fruit juice concentrates; vegetable juices; energy drinks; sports drinks; cordials; soft drinks; non-alcoholic drinks in this class consisting partially of milk starter cultures; preparations for making beverages; syrups, powders, concentrates and other preparations and substances used in the manufacture of non-alcoholic beverages.





# Global Design Database

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

## SEARCH BY

Design Names Numbers Dates Country

Indication of Products =

Design class =

Description =

search

## FILTER BY

Source	Designation	Locarno Class	Reg. Year *
US 778,200	JP 518,868	CA 157,875	ES 110,744
FR 20,553	DE 20,348	BX 19,631	BE 19,631
IT 19,274	EM 16,896	EG 14,468	TN 14,100
TR 9,994	LI 9,911	GR 9,902	ID 9,466
UA 7,393	RS 7,174	MK 7,160	HU 6,873
SG 6,125	RO 5,469	MD 5,442	HR 4,587
BG 4,330	MN 4,024	BQ 3,808	CW 3,808
NZ 46,049	CH 33,561	LU 19,631	MA 10,255
MC 10,413	ME 7,448	AN 6,201	NO 4,337
VA 8,293	GE 3,323		

Display: List Sort: Count - desc filter

1 - 10 / 1,641,360 edit columns 10 per page 1 / 164,136

Reg. No	Source	Holder	Reg. Date	Locarno Cl.	National Cl.	Ind. Prod.	Designations	Designs	Image
421902	NZID	FCA Italy S.p.A.	2017-01-31	21-01		Scale Car Model	NZ	1	
421901	NZID	FCA Italy S.p.A.	2017-01-31	12-08		Car	NZ	1	
422390	NZID	UAM Pty Ltd	2017-01-31	25-01		Reinforcement nail	NZ	1	
422388	NZID	UAM Pty Ltd	2017-01-31	25-01		Reinforcement nail	NZ	1	
422389	NZID	UAM Pty Ltd	2017-01-31	25-01		Reinforcement nail	NZ	1	
ES700000000524754	ESID		2017-01-27	32-00		Ornamentación	ES	1	
ES700000000524758	ESID		2017-01-27	25-99		MOBILIARIO URBANO	ES	10	

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

# Why should you do a design search

- Does it already exist?
- Is it distinctive?
- Is anyone infringing my design?
- What are the market trends?



**PACIFIC**  
HELMETS



# Global Design Database

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

[Join us for free webinars in 2019](#)

## SEARCH BY

Design Names Numbers Dates Country

Holder = "pacific helmets"

Creator =

Representative =

search

CURRENT SEARCH

HOL:"pacific helmets" ✕

## FILTER BY

Source	Designation	Locarno Class	Reg. Year
CA Designs	0	CN Designs	0
ES Designs	0	FR Designs	1
JP Designs	0	JO Designs	0
MN Designs	0	MY Designs	0
US Designs	0	WO Designs	0
		DE Designs	1
		GE Designs	0
		MD Designs	0
		NZ Designs	8
		EM Designs	1
		ID Designs	0
		MK Designs	0
		TN Designs	0

Display: List Sort: Value - asc filter

Sort by Reg. Date - desc

- NZID  
408199  
a support for a rotatable holder and support assembly  
2008-01-17  
PACIFIC HELMETS NZ LIMITED


- NZID  
409466  
a helmet  
2007-10-18  
PACIFIC HELMETS NZ LIMITED


- EMID  
000705710-0001  
Protective helmets (part of -)  
2007-04-05



# Global Design Database

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

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SEARCH BY Design Names Numbers Dates Country

Holder = "pacific helmets"  
Creator =  
Representative =

search

Advanced Search  
HOL:"pacific helmets" \*

FILTER BY Source Designation Locarno Class Reg. Year \*

CA Designs	0	CA Designs	0	ES Designs	1	EM Designs	1
ES Designs	0	FR Designs	1	GE Designs	0	ID Designs	0
JP Designs	0	JO Designs	0	MD Designs	0	MK Designs	0
MN Designs	0	MY Designs	0	NZ Designs	8	TN Designs	0
US Designs	0	WO Designs	0				

Display: List Sort: Value - asc

filter

1 - 10 / 11 Display: 10 per page options

**408199**  
 a support for a rotatable holder and support assembly  
2008-01-17  
*PACIFIC HELMETS NZ LIMITED*

**409466**  
 a helmet  
2007-10-18  
*PACIFIC HELMETS NZ LIMITED*

**EMID 000705710-0001**  
 Protective helmets (part of -)  
2007-04-05  
*Pacific Helmets NZ Limited, Legal Entity*

**407364**



SEARCH BY

Design Names Numbers Dates Country

Holder = "pacific helmets"

Creator =

Representative =

search

CURRENT SEARCH

HOL:"pacific helmets" x

FILTER BY

Source Designation Locarno Class Reg. Year x

2007 2

Display: List Sort: Value - desc

CURRENT FILTER

SOURCE:NZID x RD:2007 x



filter

1 - 2 / 2

Display: 10 per page options

1 / 1

Sort by Reg. Date - desc

<input type="checkbox"/>	<b>NZID</b> 409466 a helmet 2007-10-18 PACIFIC HELMETS NZ LIMITED	
<input type="checkbox"/>	<b>NZID</b> 407364 a set of supports for a rotatable holder and support assembly 2007-01-11 PACIFIC HELMETS NZ LIMITED	

1 - 2 / 2

Display: 10 per page options

1 / 1

download report PDF CSV XLSX HTML XML

1) National Registration Number

409466

Filing Date of the Application

2007-08-31

5) Date of the national registration

2007-11-30

8) Expected expiration date of the registration/renewal

2012-07-24

8) Number of designs included in the national registration

1

4) Indication of products

a helmet

Statement of Novelty

Application is for a design to be applied to a helmet. The novelty claimed for the design resides in the features of shape and/or configuration of the visors as shown in the representations.

1) Class and subclass of the Locarno Classification

02.03.027

0) Identification of parties concerned with the application or registration

Address for service: Aon Centre

Level 22, 1 Willis Street, Wellington 6011

3) Name and address of the holder(s)

PACIFIC HELMETS NZ LIMITED

Physical Address: 315 Heads Road

Castlediff, Wanganui 4501 (NZ)

Postal Address: 315 Heads Road

Castlediff, Wanganui 4501 (NZ)

4) Name and address of representative

AJ PARK

Physical Address: Aon Centre

Level 22, 1 Willis Street, Wellington 6011 (NZ)

Postal Address: PO Box 949

Wellington 6140 (NZ)

helmet

409466



Configuration 1  
Side View



409466



Configuration 2  
Side View



Configuration 2  
Front View

409466



Configuration 3  
Side View



Configuration 3  
Front View



Configuration 1  
Front Perspective View

# Different seaches available

## SEARCH BY

Design

Names

Numbers

Dates

Country

Indication of  
Products ▼ =

Design class ▼ =



Description ▼ =

search 🔍

CURRENT SEARCH

# Narrowing down the results

**FILTER BY**

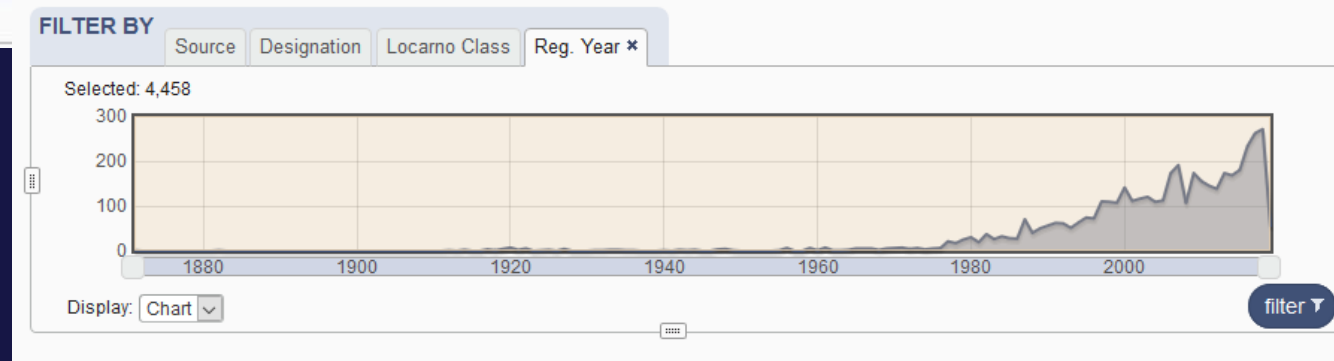
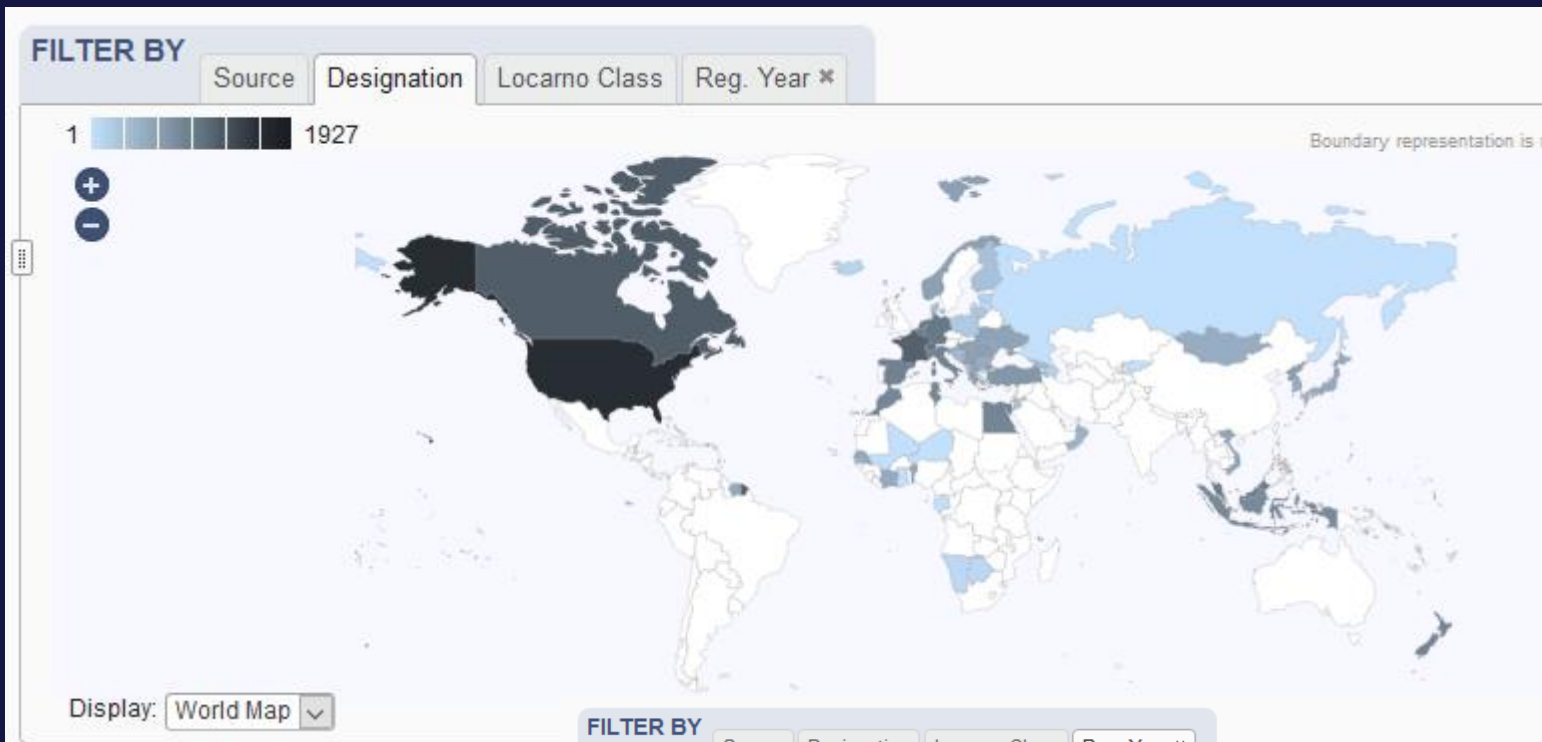
Source Designation Locarno Class Reg. Year \*

CA Designs	107	CN Designs	0	DE Designs	0	EM Designs	20
ES Designs	0	FR Designs	0	GE Designs	2	ID Designs	1
JP Designs	0	JO Designs	0	MD Designs	0	MK Designs	0
MN Designs	0	MY Designs	2	NZ Designs	14	TN Designs	0
US Designs	354	WO Designs	14				

Display: List ▾ Sort: Value - asc ▾

filter ▾

# Statistical/trend information



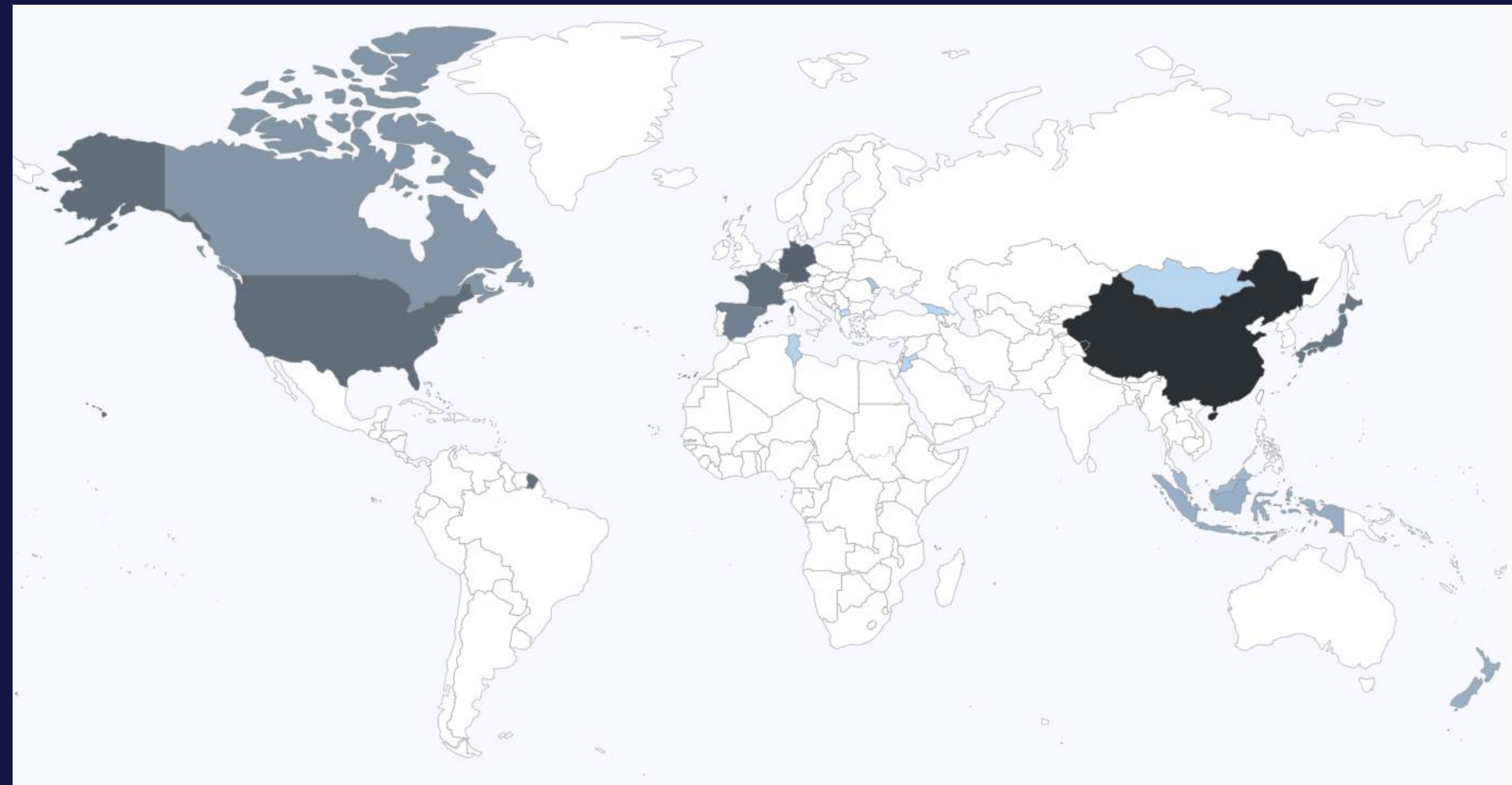
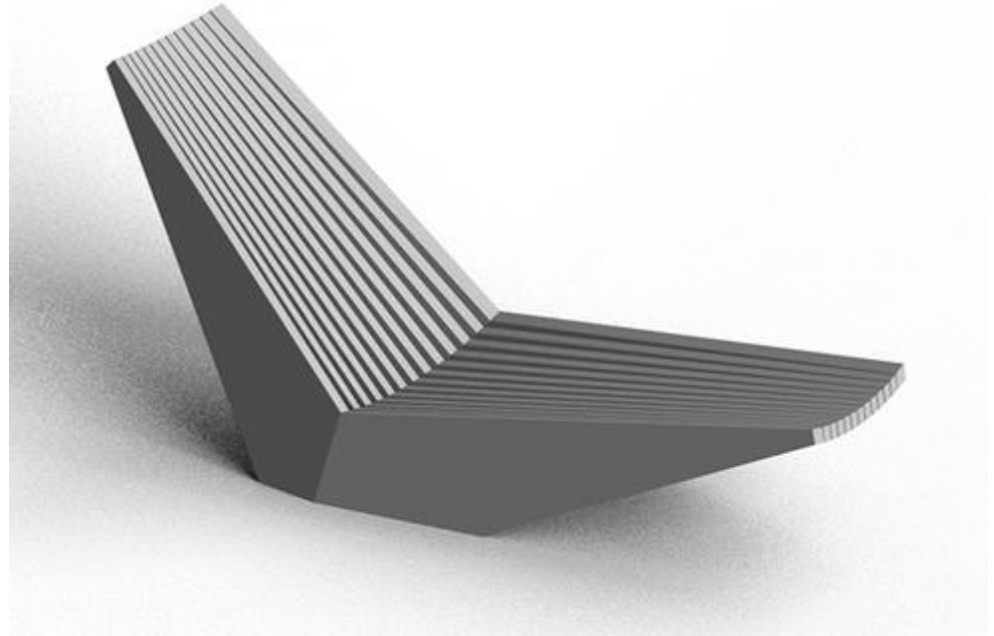
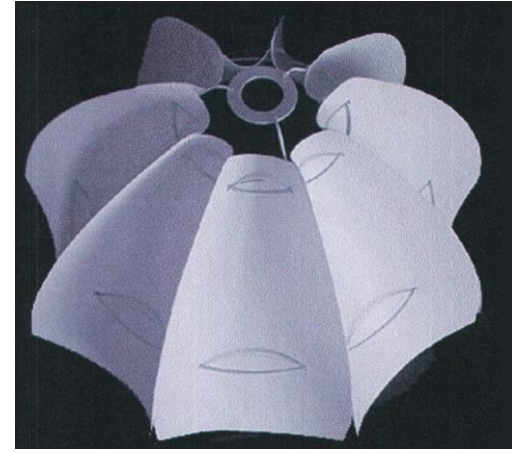
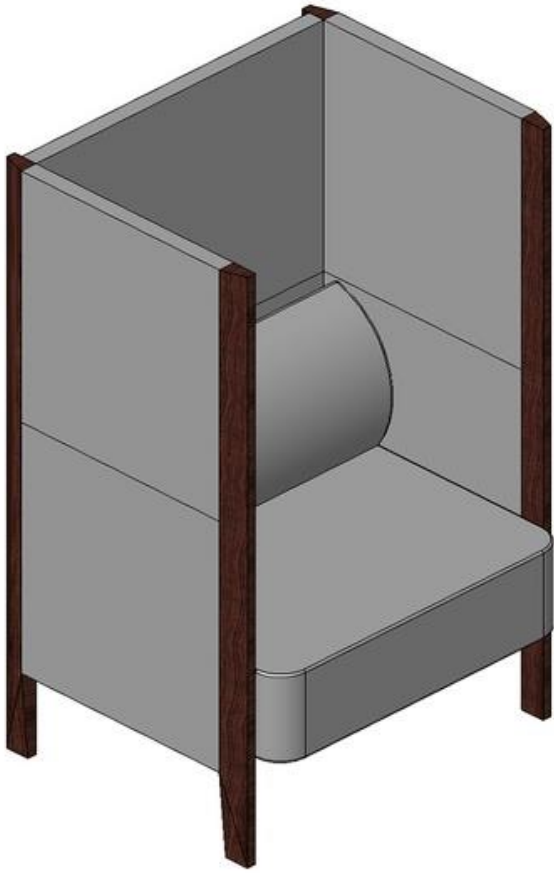








Photo by Robert Coelho on Unsplash



the  
good  
stuff.



**WIPO**  
WORLD  
INTELLECTUAL PROPERTY  
ORGANIZATION



**WIPO | Re:Search**

Sharing Innovation  
in the Fight Against  
Neglected Tropical Diseases

# WIPO | Re:Search

Sharing Innovation in the Fight Against Neglected Tropical Diseases

## Get involved:

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

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



US National Institutes  
of Health (NIH)

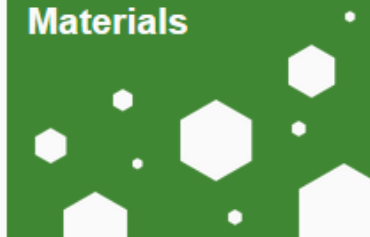


**WIPO**  
WORLD  
INTELLECTUAL PROPERTY  
ORGANIZATION

**Building and  
Construction**



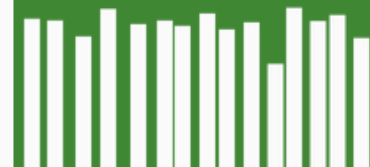
**Chemicals and  
Advanced  
Materials**



**Energy**



**Farming and  
Forestry**



**Green Products**



**Pollution and  
Waste**



**Transportation**



**Water**



# Search the WIPO GREEN Database

Search

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[List of current providers and seekers](#)

[Read the Database FAQs](#)

Results per page:  ▾

### All Results

[Technologies \(130\)](#)

[Needs \(3\)](#)

### All Categories

[Chemicals & Advanced Materials \(133\)](#)

[Other \(64\)](#)

[Surface & finishing materials \(39\)](#)

[Packaging materials & fabric \(18\)](#)

[Insulation \(12\)](#)

[Detergents \(8\)](#)

[Energy \(9\)](#)

[Other Areas \(7\)](#)

[Green Products \(6\)](#)

[Pollution & Waste \(6\)](#)

Showing 1-10 of 133 results > [Database Search](#) > [Chemicals & Advanced Materials](#)

[1- 10](#) [11- 20](#) [21- 30](#) [31- 40](#) [41- 50](#) [51- 60](#) [61- 70](#) [71- 80](#) [81- 90](#) [91- 100](#) ... [131-133](#) »

## Design of intensified processes for producing dichlorohydrin and epichlorohydrin

Dichlorohydrin is an important intermediate for synthesizing epichlorohydrin, a high volume of commodity chemical largely utilized in the production of epoxy resins. In this project, green processes using a atom-efficient and environment-friendly route are used to synthesize dichlorohydrin by reacting glycerol, an available by-product in the biodie ...

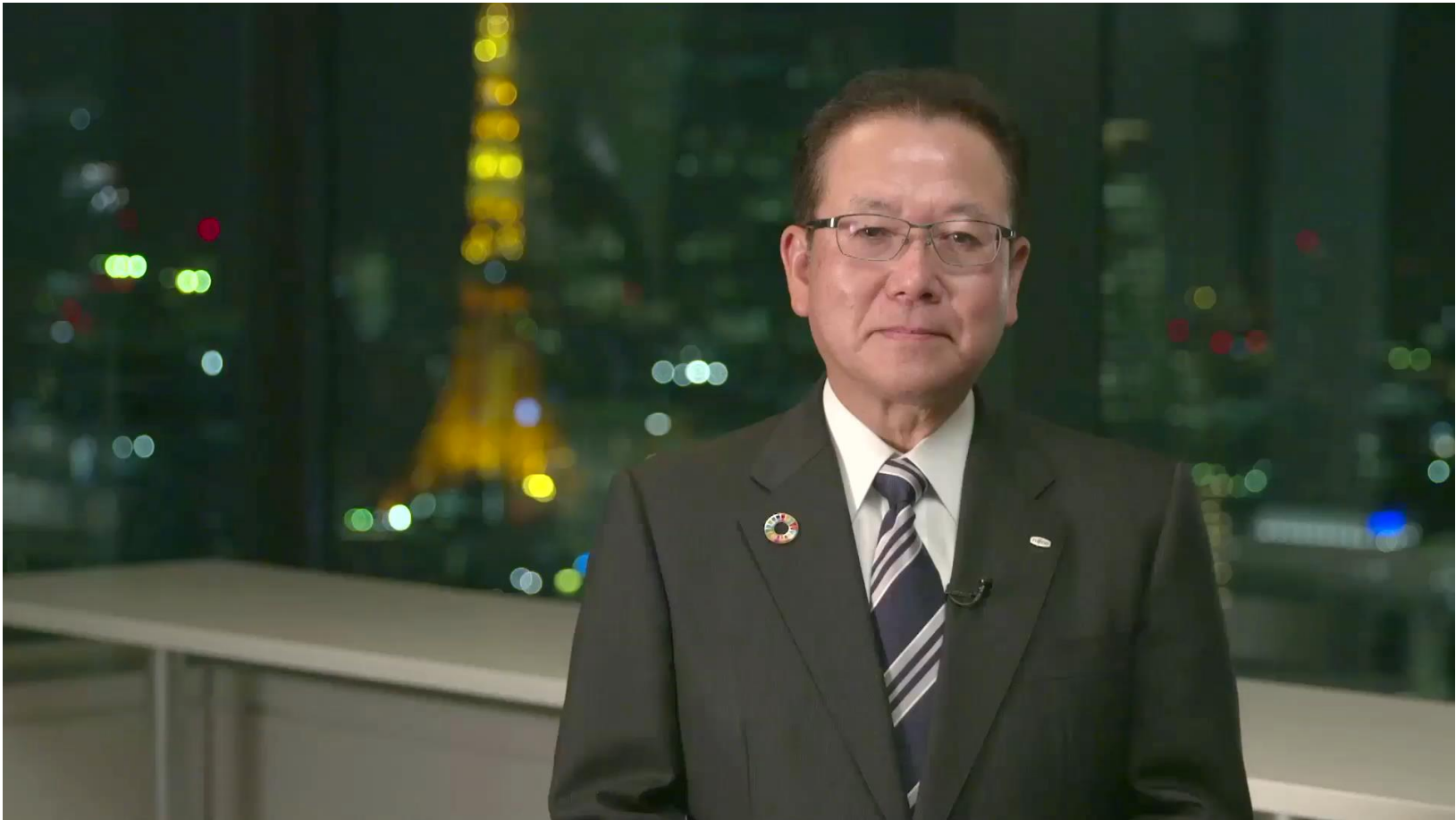
**Last updated:** February 06, 2018

**Submitted by:** IIPCC

## Super self-cleaning material

The Super Self-cleaning Coating is developed and produced by Neatrition Technology Inc.,





# IPC Green Inventory

The "IPC Green Inventory", developed by the [IPC Committee of Experts](#), facilitates searches for patent information relating to Environmentally Sound Technologies (ESTs), as listed by the [United Nations Framework Convention on Climate Change \(UNFCCC\)](#).

ESTs are currently scattered widely across the IPC in numerous technical fields. The Inventory attempts to collect them in one place.

**Warning** - the Inventory does not purport to be fully exhaustive in its coverage.

## Tips!

- The ESTs are presented in a hierarchical structure. Click on the ▶ sign to open the hierarchy.
- The links in the "IPC" column will take you to the corresponding place in the scheme.
- The links in the PATENTSCOPE column let you automatically search and display all international patent applications available through PATENTSCOPE which are classified in the relevant IPC place. Note: search results may include irrelevant results not relating to the EST.

▶ [More tips](#)

TOPIC	IPC	PATENTSCOPE
▶ ALTERNATIVE ENERGY PRODUCTION		
▶ Bio-fuels		
Integrated gasification combined cycle (IGCC)	<a href="#">C10L 3/00</a> <a href="#">F02C 3/28</a>	<a href="#">C10L 3/00</a> <a href="#">F02C 3/28</a>
▶ Fuel cells	<a href="#">H01M 4/86-4/98</a> , <a href="#">8/00-8/24</a> , <a href="#">12/00-12/08</a>	<a href="#">H01M 4/86-4/98</a> , <a href="#">8/00-8/24</a> , <a href="#">12/00-12/08</a>
Pyrolysis or gasification of biomass	<a href="#">C10B 53/00</a> <a href="#">C10J</a>	<a href="#">C10B 53/00</a> <a href="#">C10J</a>
▶ Harnessing energy from manmade waste		
▶ Hydro energy		
Ocean thermal energy conversion (OTEC)	<a href="#">F03G 7/05</a>	<a href="#">F03G 7/05</a>
▶ Wind energy	<a href="#">F03D</a>	<a href="#">F03D</a>
▶ Solar energy	<a href="#">F24S</a> <a href="#">H02S</a>	<a href="#">F24S</a> <a href="#">H02S</a>
▶ Geothermal energy	<a href="#">F24T</a>	<a href="#">F24T</a>
▶ Other production or use of heat, not derived from combustion, e.g. natural heat	<a href="#">F24T 10/00-50/00</a> <a href="#">F24V 30/00-50/00</a>	<a href="#">F24T 10/00-50/00</a> <a href="#">F24V 30/00-50/00</a>
▶ Using waste heat		
Devices for producing mechanical power from muscle energy	<a href="#">F03G 5/00-5/08</a>	<a href="#">F03G 5/00-5/08</a>

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