

*Training seminar*



***MANAGEMENT OF INTELLECTUAL PROPERTY RIGHTS***

***Bulgarian Academy of Sciences  
Sofia, Sept. 28, 2011***

***PART 5  
NATIONAL INTELLECTUAL PROPERTY OFFICES,  
WIPO AND INTERNATIONAL PROTECTION***

***ARTEMIS SAITAKIS***

***DIRECTOR, SCIENCE & TECHNOLOGY PARK OF CRETE, FORTH, GREECE***

## **NATIONAL IP OFFICES**

**Several countries operate one office for IP (e.g. UK, Canada, Netherlands, Hungary, Luxemburg, etc)**

**UK Intellectual Property Office, [www.ipo.gov.uk](http://www.ipo.gov.uk)**

**Other countries operate two offices, Industrial Property & Copyright Office (e.g. Italy, Japan, Spain, India, Germany, Sweden etc)**

**German Patent Office: [www.dpma.de](http://www.dpma.de)**

**German Copyright Office: [www.bmj.de](http://www.bmj.de)**

**There are countries with 3 offices: Industrial Property, Copyright and Trademarks**

**(e.g. Greece)**

**Greek Patent Office**

**Greek Copyright Office**

**Greek Trademark Office**

# WORLD INTELLECTUAL PROPERTY ORGANIZATION (WIPO, [www.wipo.int](http://www.wipo.int))

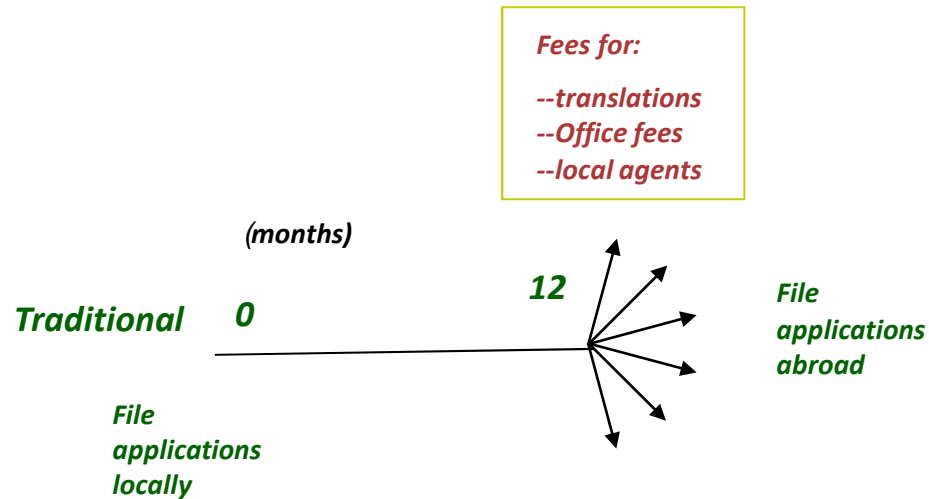
➤ The World Intellectual Property Organization (WIPO) is a specialized agency of the United Nations. It is dedicated to developing a balanced and accessible international intellectual property (IP) system, which rewards creativity, stimulates innovation and contributes to economic development while safeguarding the public interest.



➤ WIPO was established by the WIPO Convention in 1967 with a mandate from its Member States to promote the protection of IP throughout the world through cooperation among states and in collaboration with other international organizations.

➤ Its headquarters are in Geneva, Switzerland.

# TRADITIONAL PATENT SYSTEM



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

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

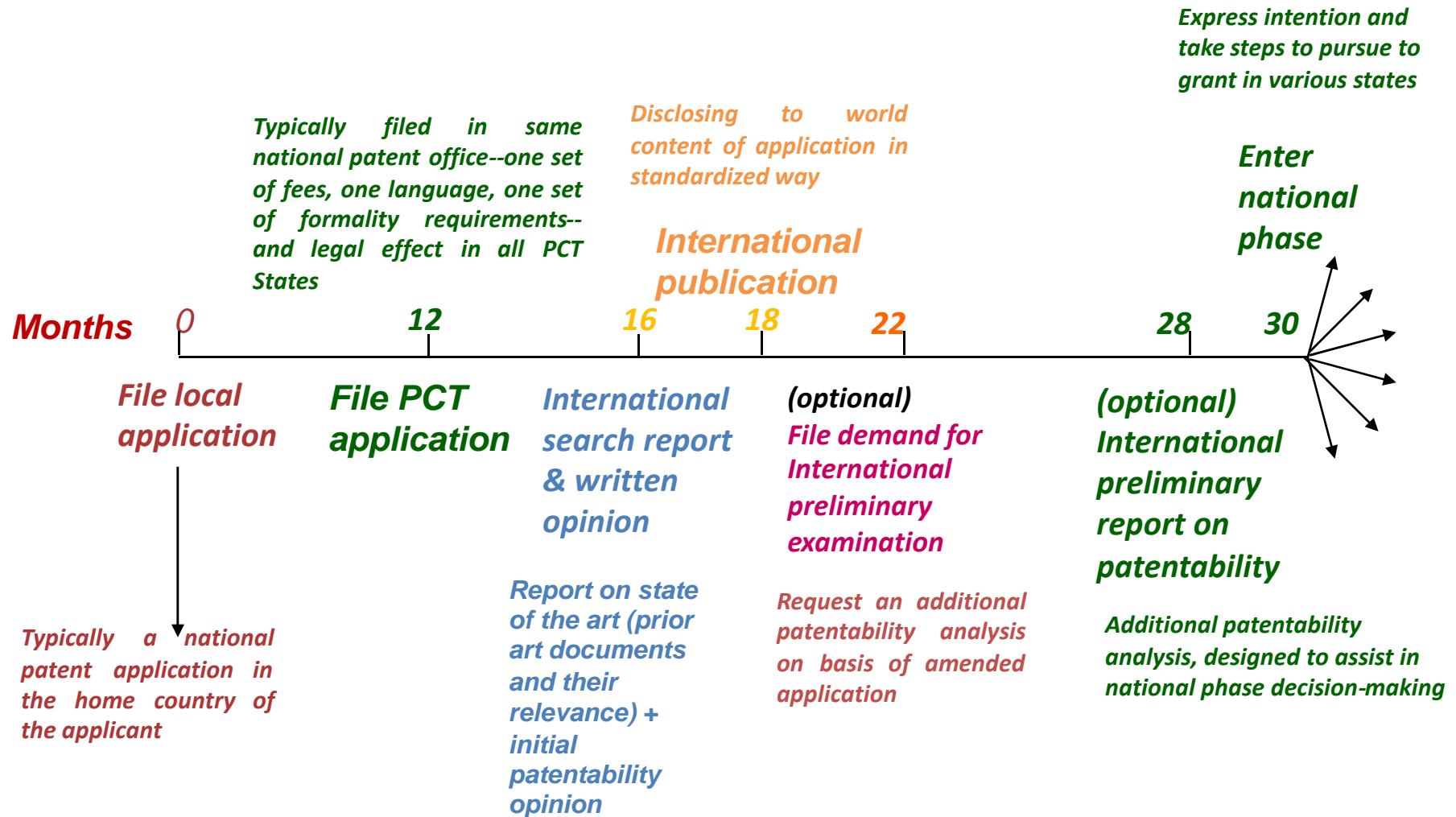
## **WHAT IS PATENT COOPERATION TREATY (PCT)**

- **Only for inventions (not for trademarks, nor industrial designs)**
- **The decision on granting patents is made exclusively by national or regional Offices in the national phase**
- **There is no “PCT patent” or “World patent”**
- **Signed in June 1970, in Washington, D.C., and became operational in June 1978 with 18 States**
- **As of 1 April 2011, the PCT has 142 Contracting States**
- **Administered by WIPO (Paris Convention).**

## ***ADVANTAGES OF PCT***

- 1. Postpones the major costs associated with internationalizing a patent application***
- 2. Provides a strong basis for patenting decisions***
- 3. Harmonizes formal requirements***
- 4. Brings the world within reach***
- 5. Protects applicant from certain inadvertent errors***
- 6. Evolves to meet user needs***
- 7. Is used by the world's major corporations, universities and research institutions when they seek international patent protection***
- 8. Allows applicants to apply securely and easily online, and to save money by doing so***

# PCT PROCEDURE



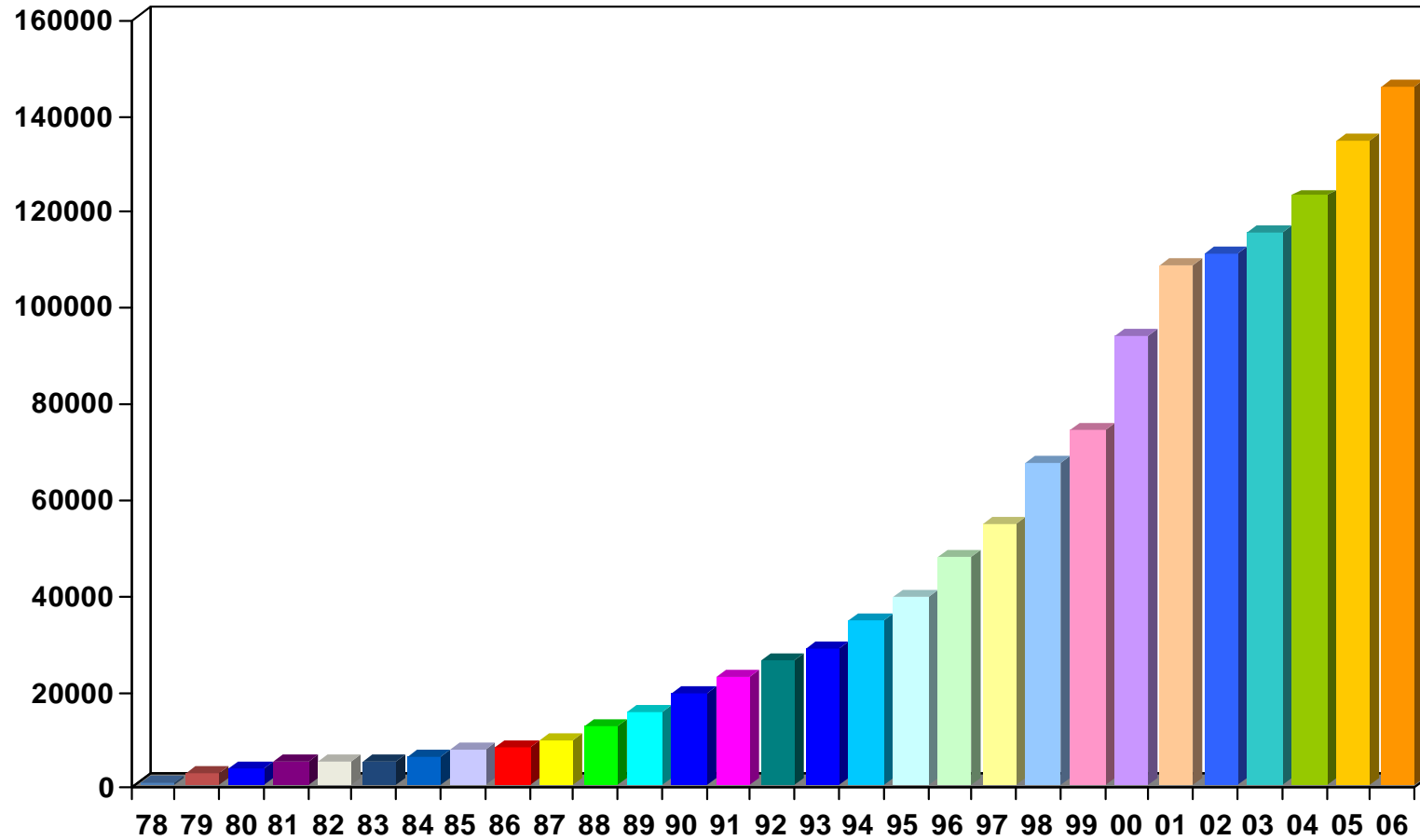
## PCT Contracting States and Two-letter Codes (142 on 1 April 2011)



AE United Arab Emirates	CR Costa Rica	IL Israel	MK The former Yugoslav Republic of Macedonia (EP) <sup>5</sup>	SI Slovenia (EP) <sup>3</sup>
AG Antigua and Barbuda	CU Cuba	IN India	ML Mali (OA) <sup>3</sup>	SK Slovakia (EP)
AL Albania (EP) <sup>1,2</sup>	CY Cyprus (EP) <sup>3</sup>	IS Iceland (EP)	MN Mongolia	SL Sierra Leone (AP)
AM Armenia (EA)	CZ Czech Republic (EP)	IT Italy (EP) <sup>3</sup>	MR Mauritania (OA) <sup>3</sup>	SM San Marino (EP) <sup>7</sup>
AO Angola	DE Germany (EP)	JP Japan	MT Malta (EP) <sup>3</sup>	SN Senegal (OA) <sup>3</sup>
AT Austria (EP)	DK Denmark (EP)	KE Kenya (AP)	MW Malawi (AP)	ST Sao Tome and Principe
AU Australia	DM Dominica	KG Kyrgyzstan (EA)	MX Mexico	SV El Salvador
AZ Azerbaijan (EA)	DO Dominican Republic	KM Comoros	MY Malaysia	SY Syrian Arab Republic
BA Bosnia and Herzegovina <sup>2</sup>	DZ Algeria	KN Saint Kitts and Nevis	MZ Mozambique (AP)	SZ Swaziland (AP) <sup>3</sup>
BB Barbados	EC Ecuador	KP Democratic People's Republic of Korea	NA Namibia (AP)	TD Chad (OA) <sup>3</sup>
BE Belgium (EP) <sup>3</sup>	EE Estonia (EP)	KR Republic of Korea	NE Niger (OA) <sup>3</sup>	TG Togo (OA) <sup>3</sup>
BF Burkina Faso (OA) <sup>3</sup>	EG Egypt	KZ Kazakhstan (EA)	NG Nigeria	TH Thailand
BG Bulgaria (EP)	ES Spain (EP)	LA Lao People's Democratic Republic	NI Nicaragua	TJ Tajikistan (EA)
BH Bahrain	FI Finland (EP)	LC Saint Lucia	NL Netherlands (EP) <sup>3</sup>	TM Turkmenistan (EA)
BJ Benin (OA) <sup>3</sup>	FR France (EP) <sup>3</sup>	LI Liechtenstein (EP)	NO Norway (EP)	TN Tunisia
BR Brazil	GA Gabon (OA) <sup>3</sup>	LK Sri Lanka	NZ New Zealand	TR Turkey (EP)
BW Botswana (AP)	GB United Kingdom (EP)	LR Liberia (AP) <sup>4</sup>	OM Oman	TT Trinidad and Tobago
BY Belarus (EA)	GD Grenada	LS Lesotho (AP)	PE Peru	TZ United Republic of Tanzania (AP)
BZ Belize	GE Georgia	LT Lithuania (EP)	PG Papua New Guinea	UA Ukraine
CA Canada	GH Ghana (AP)	LU Luxembourg (EP)	PH Philippines	UG Uganda (AP)
CF Central African Republic (OA) <sup>3</sup>	GM Gambia (AP)	LV Latvia (EP) <sup>3</sup>	PL Poland (EP)	US United States of America
CG Congo (OA) <sup>3</sup>	GN Guinea (OA) <sup>3</sup>	LY Libyan Arab Jamahiriya	PT Portugal (EP)	UZ Uzbekistan
CH Switzerland (EP)	GQ Equatorial Guinea (OA) <sup>3</sup>	MA Morocco	RO Romania (EP)	VC Saint Vincent and the Grenadines
CI Côte d'Ivoire (OA) <sup>3</sup>	GR Greece (EP) <sup>3</sup>	MC Monaco (EP) <sup>3</sup>	RU Russian Federation (EA)	VN Viet Nam
CL Chile	GT Guatemala	MD Republic of Moldova (EA)	SC Seychelles	ZA South Africa
CM Cameroon (OA) <sup>3</sup>	GW Guinea-Bissau (OA) <sup>3</sup>	ME Montenegro <sup>2</sup>	SD Sudan (AP)	ZM Zambia (AP)
CN China	HN Honduras	MG Madagascar	SE Sweden (EP)	ZW Zimbabwe (AP)
CO Colombia	HR Croatia (EP)		SG Singapore	
	HU Hungary (EP)			
	ID Indonesia			
	IE Ireland (EP) <sup>3</sup>			



# Growth in PCT Filings



***April 14, 2011: 2 Million PCT applications***  
***April 26: World Intellectual Property Day***

## ***PCT APPLICATIONS: TOP 10 COUNTRIES***

<b>RANKING</b>	<b>COUNTRY</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010 ESTIMATE</b>	<b>2010 PERCENT</b>	<b>2010 GROWTH</b>
1	United States of America	51,280	54,043	51,637	45,618	44,855	27.5%	-1.7%
2	Japan	27,025	27,743	28,760	29,802	32,156	19.7%	7.9%
3	Germany	16,736	17,821	18,855	16,797	17,171	10.5%	2.2%
4	China	3,942	5,455	6,120	7,900	12,337	7.6%	56.2%
5	Republic of Korea	5,945	7,064	7,899	8,035	9,686	5.9%	20.5%
6	France	6,256	6,560	7,072	7,237	7,193	4.4%	-0.6%
7	United Kingdom	5,097	5,542	5,466	5,044	4,857	3.0%	-3.7%
8	Netherlands	4,553	4,433	4,363	4,462	4,097	2.5%	-8.2%
9	Switzerland	3,621	3,833	3,799	3,671	3,611	2.2%	-1.6%
10	Sweden	3,336	3,655	4,137	3,567	3,152	1.9%	-11.6%

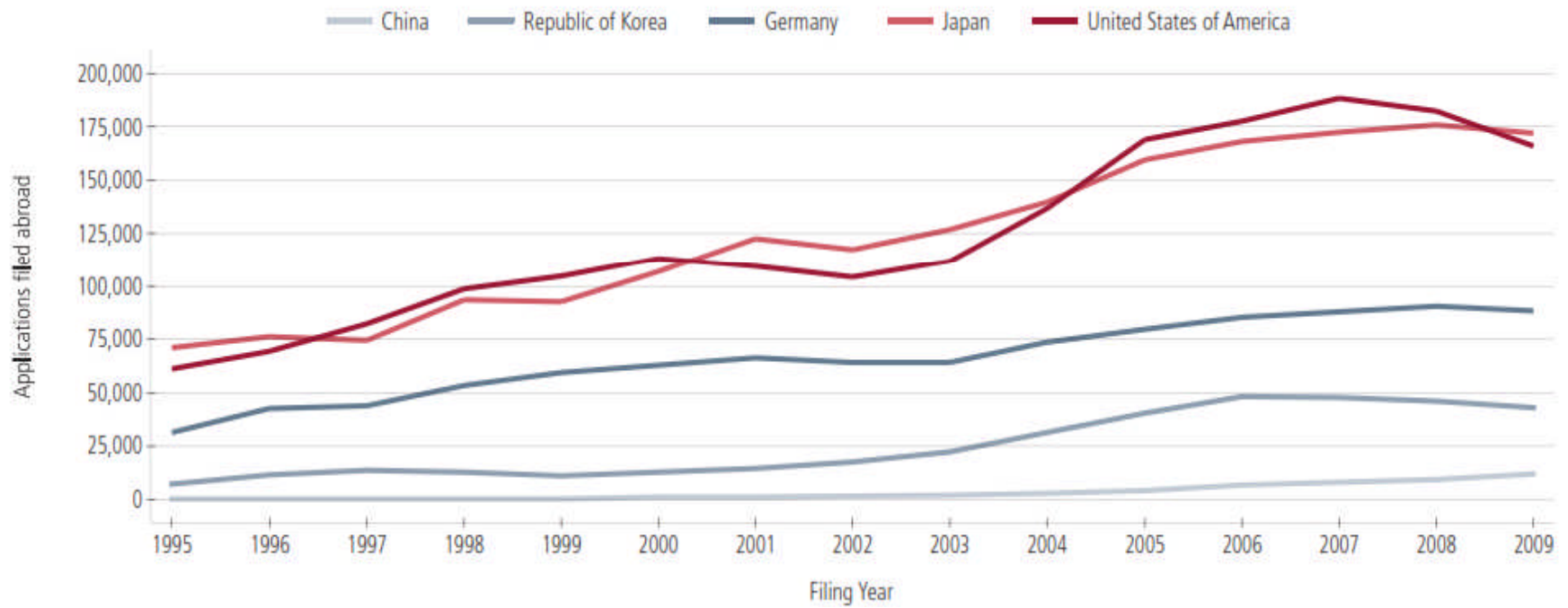
## **TOP 15 APPLICANTS**

<b>2010 RANKING</b>	<b>POSITION CHANGED</b>	<b>APPLICANT'S NAME</b>	<b>COUNTRY OF ORIGIN</b>	<b>PCT APPLICATION PUBLISHED IN 2010</b>	<b>INCREASED OVER 2009</b>
1	0	PANASONIC CORPORATION	Japan	2,154	263
2	20	ZTE CORPORATION	China	1,863	1,346
3	2	QUALCOMM INCORPORATED	United States of America	1,677	397
4	-2	HUAWEI TECHNOLOGIES CO., LTD.	China	1,528	-319
5	-1	KONINKLIJKE PHILIPS ELECTRONICS N.V.	Netherlands	1,435	140
6	-3	ROBERT BOSCH GMBH	Germany	1,301	-287
7	0	LG ELECTRONICS INC.	Republic of Korea	1,298	208
8	2	SHARP KABUSHIKI KAISHA	Japan	1,286	289
9	-3	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	Sweden	1,149	-92
10	-2	NEC CORPORATION	Japan	1,106	37
11	-2	TOYOTA JIDOSHA KABUSHIKI KAISHA	Japan	1,095	27
12	-1	SIEMENS AKTIENGESELLSCHAFT	Germany	833	-99
13	0	BASF SE	Germany	818	79
14	5	mitsubishi electric corporation	Japan	726	157
15	0	NOKIA CORPORATION	Finland	632	-31

## **TOP 10 UNIVERSITIES**

<b>2010 RANKING</b>	<b>POSITION CHANGED</b>	<b>APPLICANT'S NAME</b>	<b>COUNTRY OF ORIGIN</b>	<b>PCT APPLICATION PUBLISHED IN 2010</b>	<b>INCREASED OVER 2009</b>
38	2	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	United States of America	306	-15
103	4	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	United States of America	145	0
115	16	BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM	United States of America	130	4
144	0	UNIVERSITY OF FLORIDA	United States of America	107	-4
145	33	THE UNIVERSITY OF TOKYO	Japan	105	11
168	-22	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	United States of America	91	-19
168	-18	PRESIDENT AND FELLOWS OF HARVARD COLLEGE	United States of America	91	-18
176	16	THE JOHNS HOPKINS UNIVERSITY	United States of America	89	2
183	576	SNU R&DB FOUNDATION	Republic of Korea	86	63
202	112	ARIZONA BOARD OF REGENTS	United States of America	80	25

# TRENDS IN PATENT APPLICATIONS, WIPO



## **WIPO e-LEARNING FOR SMEs**



**<http://www.wipo.int/sme/en/multimedia/>**

- ***IP PANORAMA was developed jointly by the Korean Intellectual Property Office (KIPO), the Korea Invention Promotion Association (KIPA), and the World Intellectual Property Organization (WIPO) under a project entitled, 'The Joint Development of E-learning Content' from 2004 to 2007.***
- ***IP PANORAMA was designed to help SMEs utilize and manage Intellectual Property (IP) in their business***
- ***The topics cover 12 modules (pdf, video)***

# **WIPO ACADEMY**

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

## **Distance Learning**

*The courses offered by the Distance Learning program of the Academy are available in the following languages:*

*[Arabic](#), [Chinese](#), [English](#), [French](#), [Portuguese](#), [Russian](#) and [Spanish](#)*

*Fee : from 80 – 400 \$*

## **WIPO Summer School on Intellectual Property**

➤ *The Summer School provides an opportunity to senior students and young professionals to acquire deeper knowledge of each domain of intellectual property and of the role and functions of WIPO.*

➤ *The program consists of lectures, case studies, simulation exercises and group discussions on selected IP topics, with an orientation towards the interface between IP and other disciplines. A certificate of participation is awarded to participants who successfully complete the program requirements.*

### **Summer school Textbook:**

*[http://www.wipo.int/export/sites/www/academy/en/courses/summer\\_school/summer\\_school\\_textbook.pdf](http://www.wipo.int/export/sites/www/academy/en/courses/summer_school/summer_school_textbook.pdf)*

## **WIPO PATENTSCOPE<sup>®</sup>**

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

- Access through the [PATENTSCOPE<sup>®</sup> Search Service](#) to **over 7 million** patent documents from PCT and national/regional collections.
- The [aRD<sub>i</sub> program](#) provides IP offices and other institutions in developing countries with free or low-cost access to scientific and technical journals.