

■ Trends in worldwide IP filings

Development and effective use of IP statistics
Manila, December 17-19, 2013

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Head, IP Statistics

Overview

■ Global of IP filings

- Four IP types

- Global trends

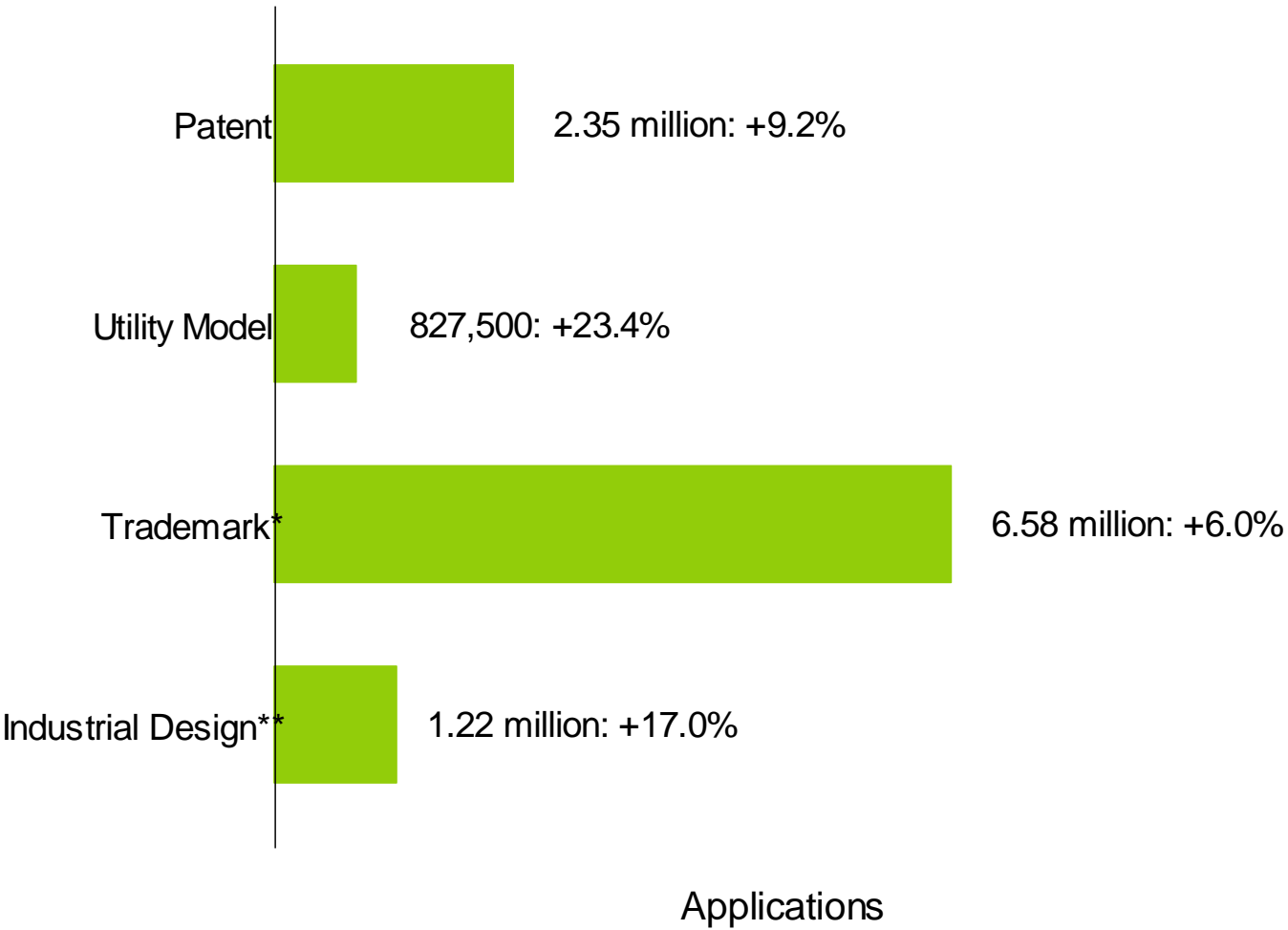
- Destinations and source of IP applications

- Technology/sector/class

■ Globalization of IP filings

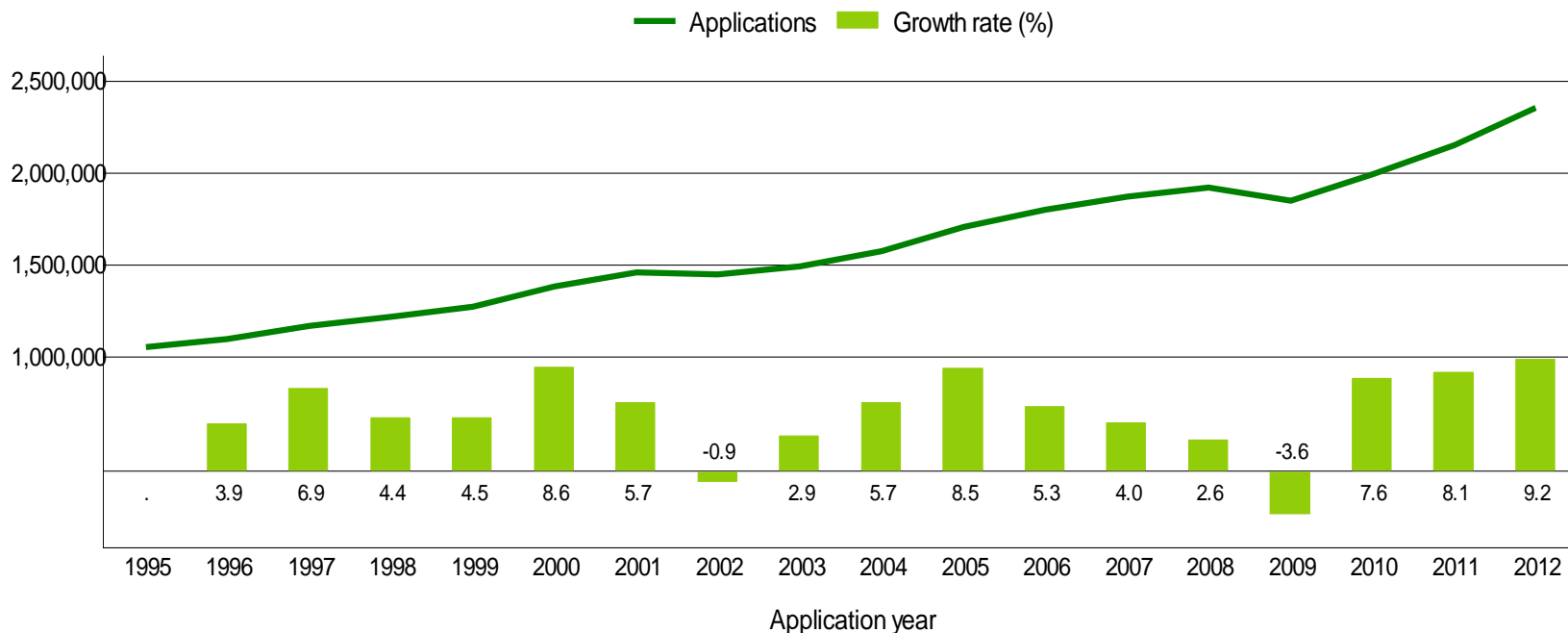
■ Challenges faced by IP offices

Strong growth in demand for IP rights



Fastest growth in 18 years

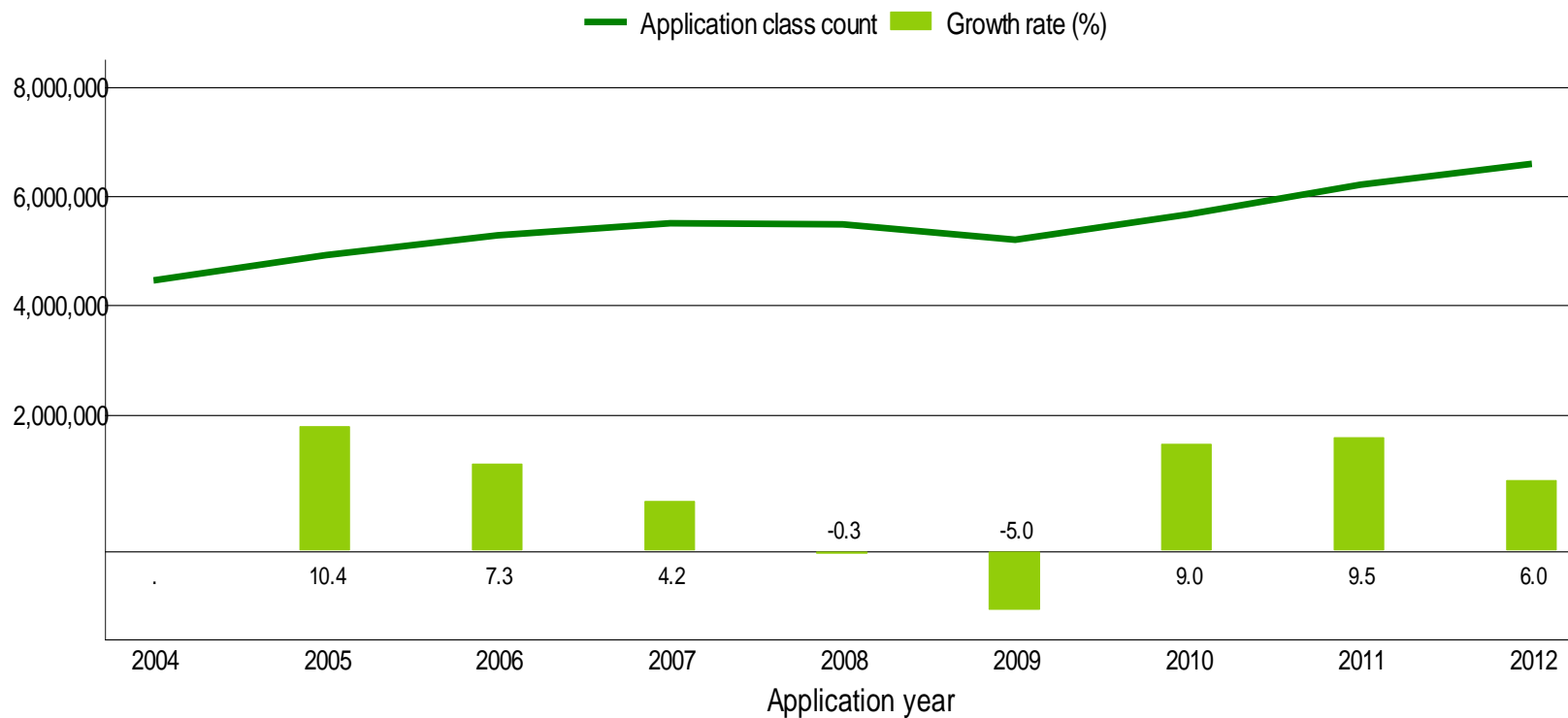
Patent filings



Non-resident share: 32.8% (1995) to 35.5% (2012)

Modest growth in 2012

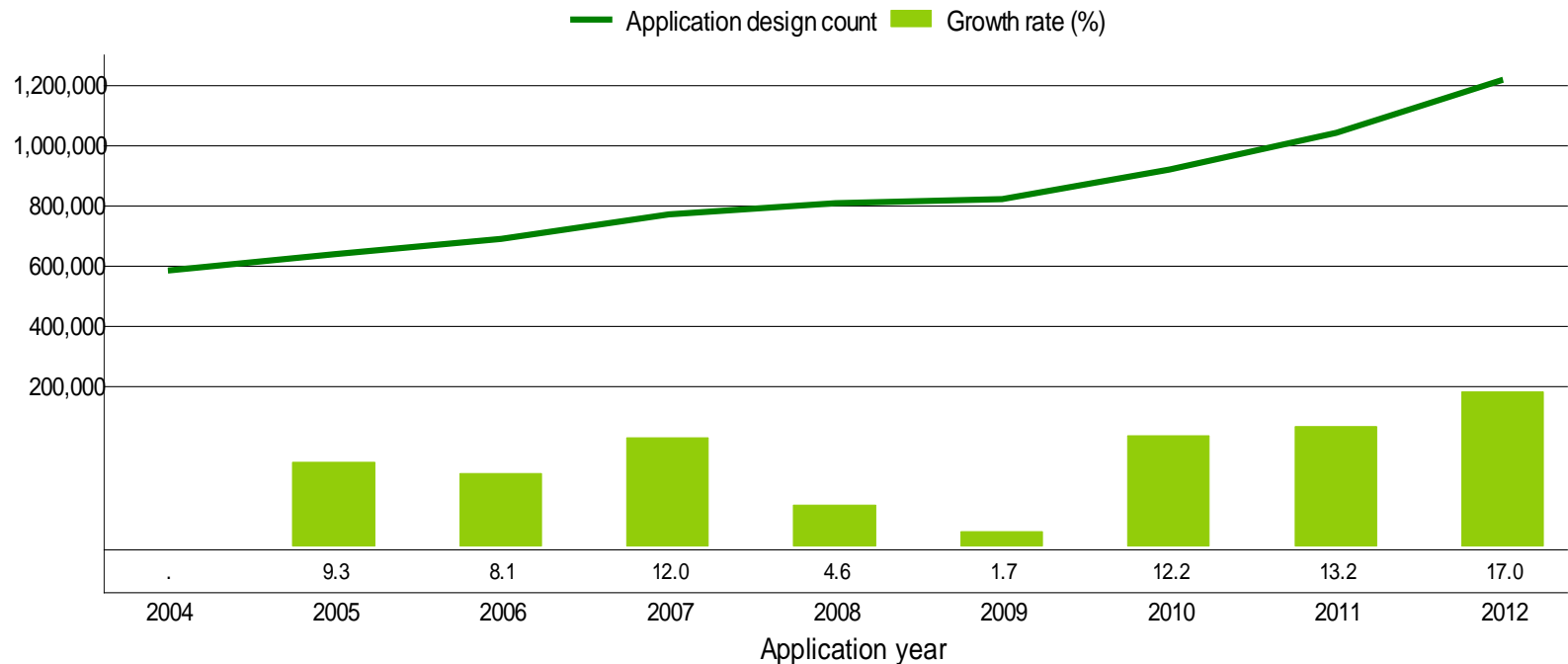
Trademark filings*



Non-resident share: 32.8% (2004) to 26.4% (2012)

Double-digit growths since 2010

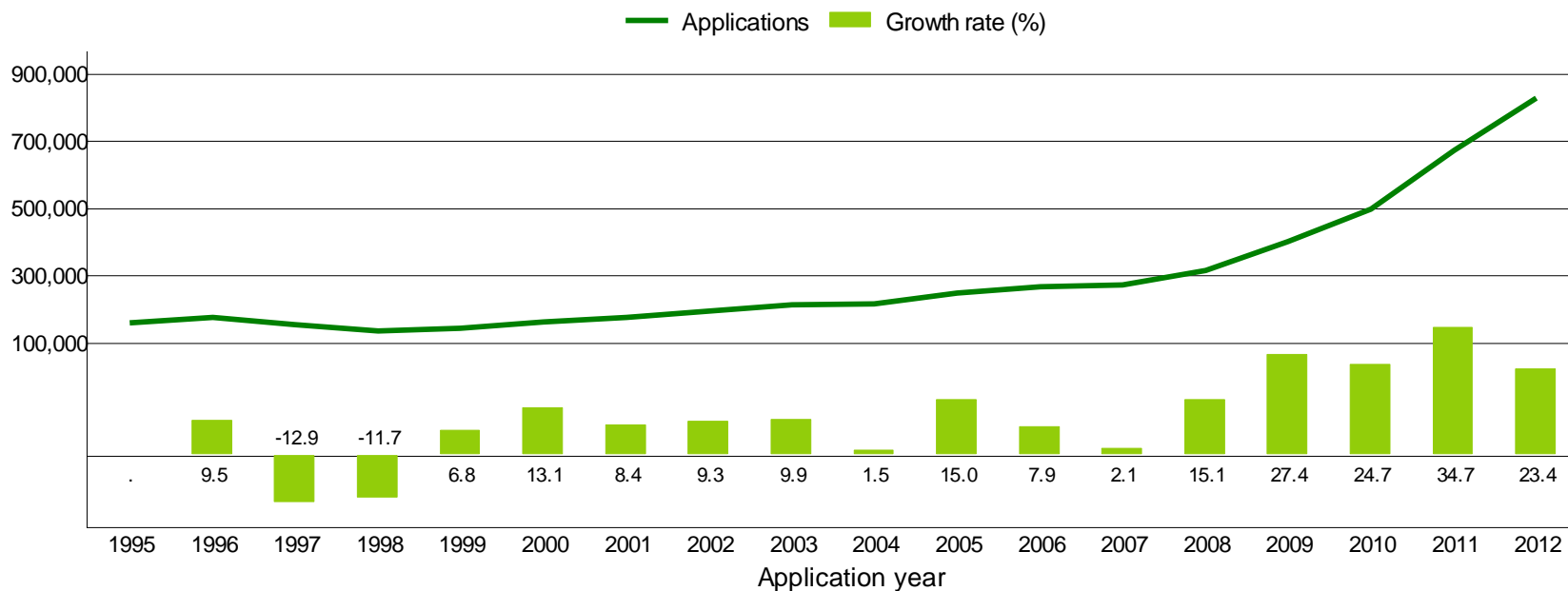
Industrial design filings**



Non-resident share: 30.5% (2004) to 14.3% (2012)

Strong growth mainly due to China

Utility model filings



Non-resident share: 4% (1995) to 2% (2012)

Distribution of IP filings by income group

Share of world total (%)

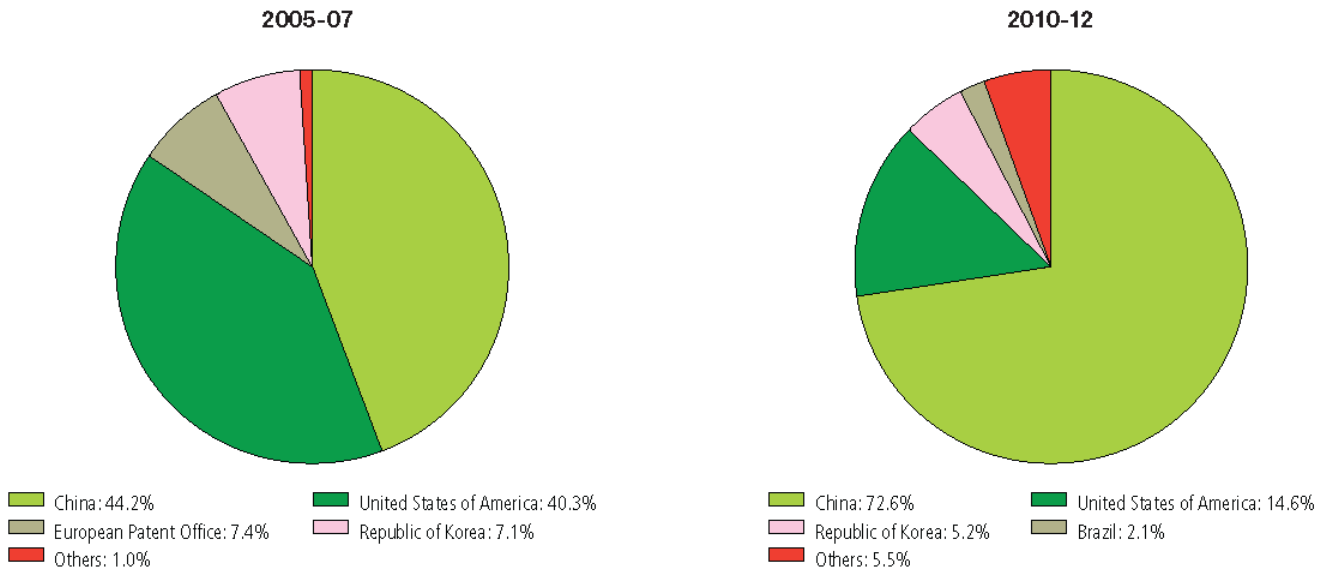
Income group	Patent		Trademarks*		Industrial designs**	
	2007	2012	2007	2012	2007	2012
High-income	78.5	64.5	58.7	47.4	51.1	36.0
Upper middle-income	17.7	32.1	30.3	42.0	43.8	60.7
<i>...Upper middle-income excluding China</i>	4.6	4.3	17.4	16.9	9.0	6.7
Lower middle-income	3.3	2.9	9.8	9.4	4.6	3.0
Low-income	0.5	0.4	1.2	1.2	0.6	0.3
World	100.0	100.0	100.0	100.0	100.0	100.0

Average annual growth rate (%): 2007-12

Income group	Patent	Trademarks*	Industrial designs**
High-income	0.6	-0.7	2.2
Upper middle-income	17.9	10.7	17
<i>...Upper middle-income excluding China</i>	3.5	3.1	3.3
Lower middle-income	2.5	2.7	0.5
Low-income	3.8	3.9	-1.4
World	4.7	3.7	9.6

Rapid filing growth in China is the main driver of IP growth - patents

Figure A.1.1.2 Contribution of offices to growth in patent applications worldwide

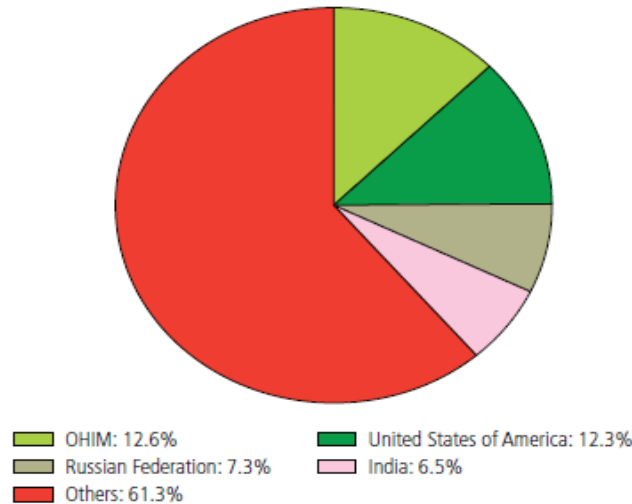


Source: WIPO Statistics Database, October 2013

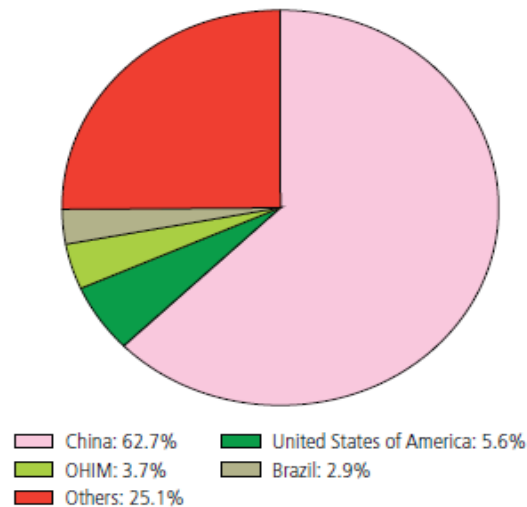
Figure B.1.1.2 Contribution of offices to growth in application class counts worldwide

Rapid filing growth in China is the main driver of IP growth - marks

2005-07



2010-12

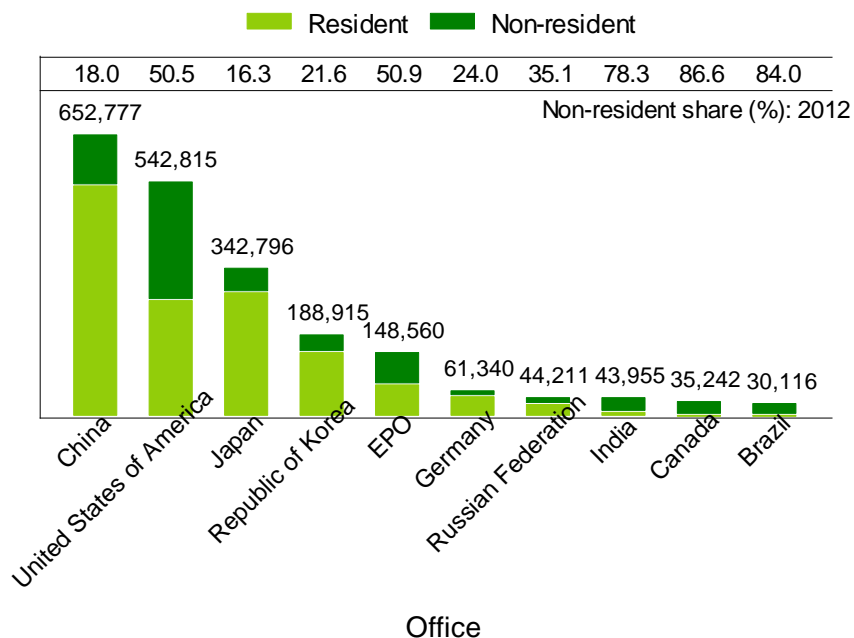


Note: OHIM = Office for Harmonization in the Internal Market

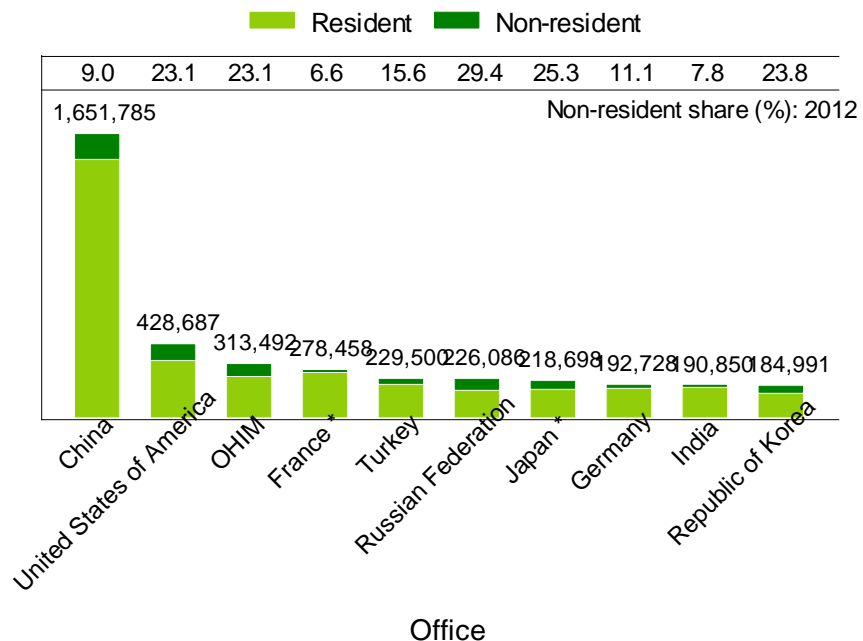
Source: WIPO Statistics Database, October 2013

Top offices – patents and marks

Patent filings

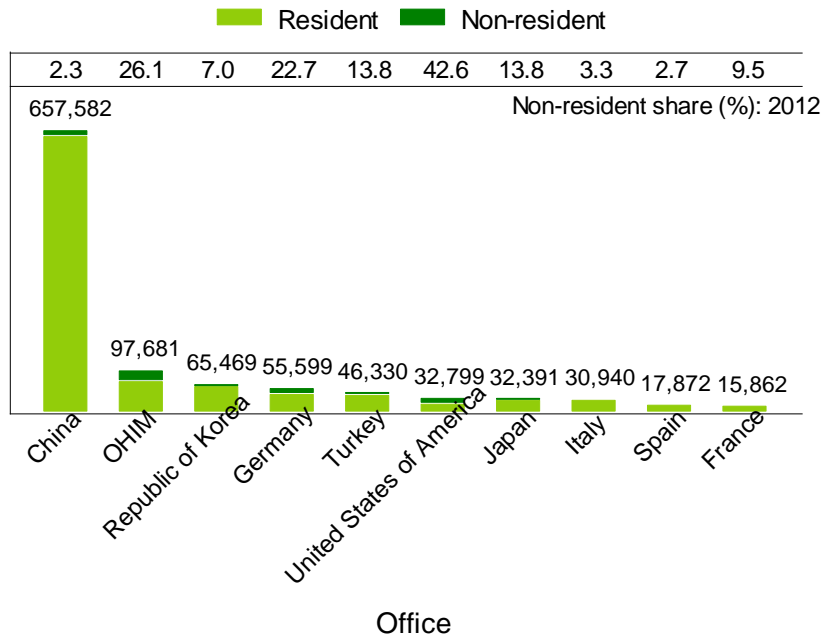


Trademarks filings*

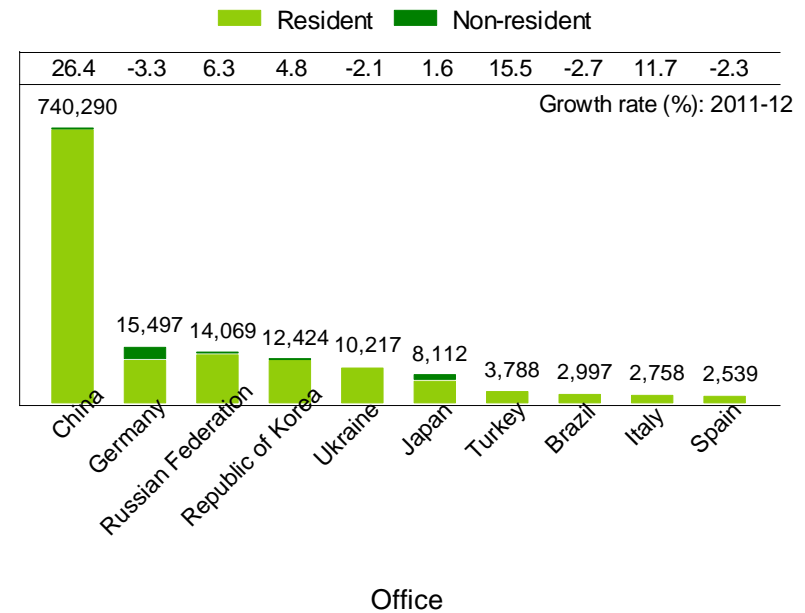


...top offices – designs and um

Designs**

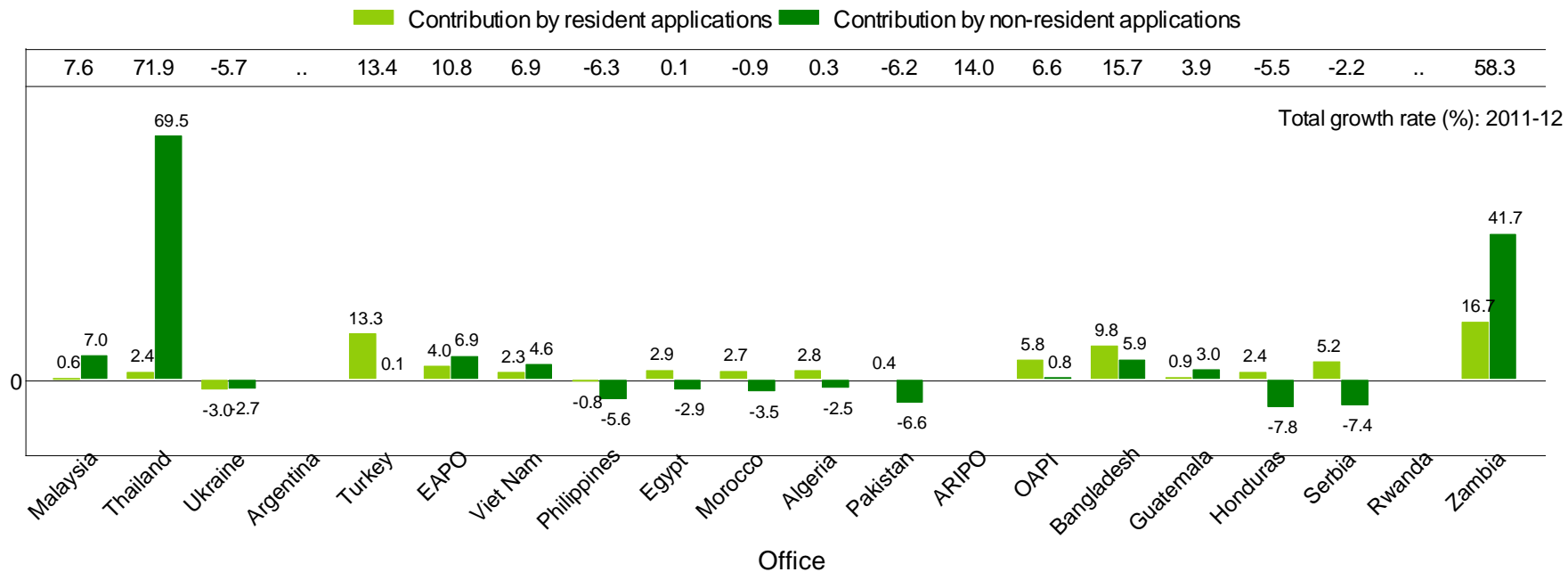


Utility models



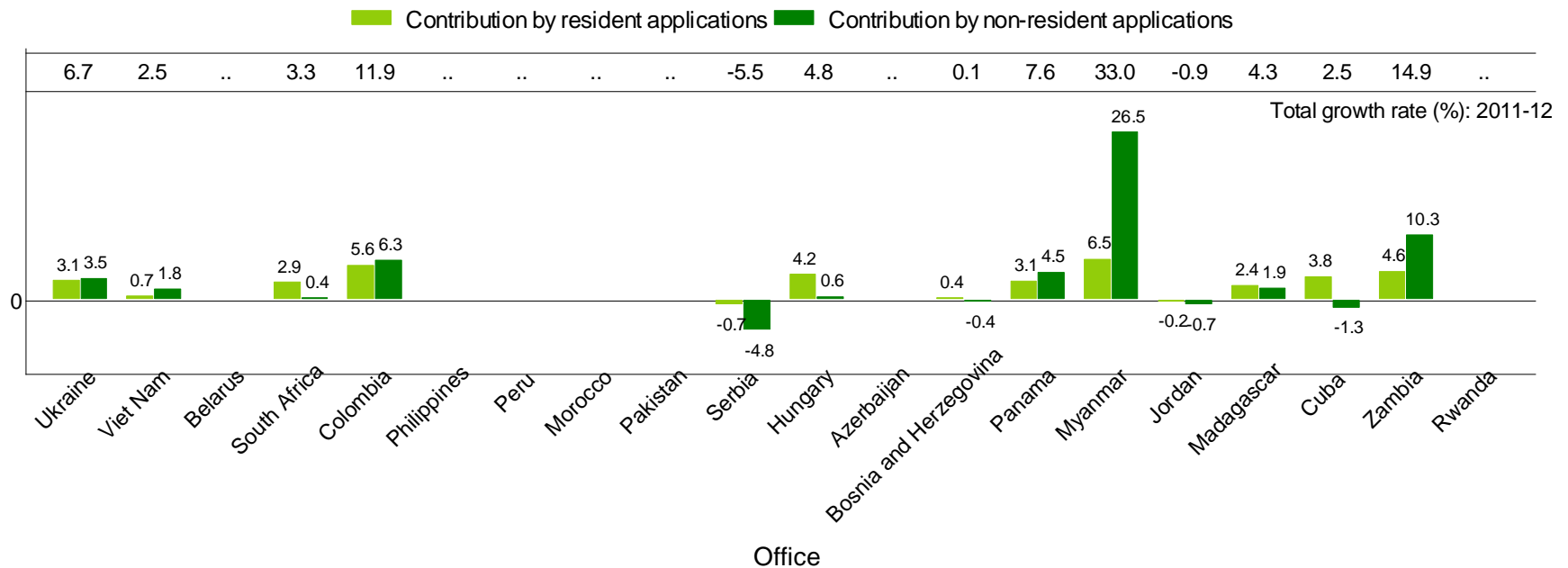
...sources growth in filings

Patents



...sources growth in filings

Trademarks*

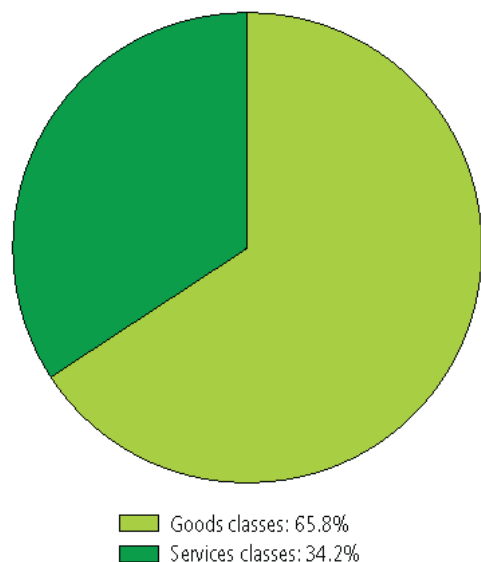


Patent filings by technology

Field of technology	Publication Year					Growth rate 2007-11 (%)
	2007	2008	2009	2010	2011	
Electrical engineering						
Electrical machinery, apparatus, energy	101,013	105,591	111,876	116,009	122,697	5.0
Audio-visual technology	92,978	91,258	85,411	80,607	75,881	-5.0
Telecommunications	68,915	69,804	60,808	56,417	49,533	-7.9
Digital communication	57,696	64,237	69,191	74,389	79,726	8.4
Basic communication processes	17,208	17,734	17,164	16,515	15,554	-2.5
Computer technology	123,504	134,493	133,072	130,052	134,272	2.1
IT methods for management	19,370	21,684	25,022	23,261	23,532	5.0
Semiconductors	76,617	81,238	78,685	77,547	80,049	1.1
Instruments						
Optics	75,328	74,435	69,346	64,099	61,438	-5.0
Measurement	65,895	71,762	76,263	76,742	76,730	3.9
Analysis of biological materials	11,218	11,345	11,778	11,390	11,694	1.0
Control	27,357	28,617	29,024	28,662	27,635	0.3
Medical technology	74,172	77,069	77,741	77,466	78,765	1.5
Chemistry						
Organic fine chemistry	52,609	53,873	53,009	52,559	51,271	-0.6
Biotechnology	33,929	35,654	37,652	38,423	40,849	4.7
Pharmaceuticals	73,345	73,769	72,126	69,258	69,311	-1.4
Macromolecular chemistry, polymers	27,627	28,345	28,800	28,683	28,748	1.0
Food chemistry	21,690	23,582	27,245	27,889	30,858	9.2
Basic materials chemistry	38,920	41,085	42,322	43,795	45,115	3.8
Materials, metallurgy	30,200	33,775	34,968	36,988	38,542	6.3
Surface technology, coating	29,348	30,732	32,792	33,215	33,954	3.7
Micro-structural and nano-technology	2,302	2,478	2,829	3,094	3,203	8.6
Chemical engineering	33,263	35,087	35,766	36,618	37,991	3.4
Environmental technology	21,688	22,605	24,333	25,572	26,324	5.0
Mechanical engineering						
Handling	42,764	42,783	42,764	42,414	44,344	0.9
Machine tools	36,607	38,315	40,585	43,242	46,363	6.1
Engines, pumps, turbines	41,891	43,573	48,156	48,372	48,423	3.7
Textile and paper machines	35,815	33,681	32,251	30,633	30,364	-4.0
Other special machines	44,008	45,912	47,541	49,011	50,981	3.7
Thermal processes and apparatus	25,280	25,699	27,259	29,382	29,855	4.2
Mechanical elements	43,957	47,513	47,286	46,405	46,913	1.6
Transport	65,237	67,717	70,542	67,015	65,439	0.1
Other fields						
Furniture, games	44,201	44,837	43,666	42,564	42,031	-1.3
Other consumer goods	31,831	31,974	32,119	32,172	33,306	1.1
Civil engineering	52,704	52,495	54,835	56,067	57,414	2.2

....Agricultural products and services sector accounted for the largest share

Figure B.4.1.2 Trademark applications by goods and services classes, 2012



Source: WIPO Statistics Database, October 2013

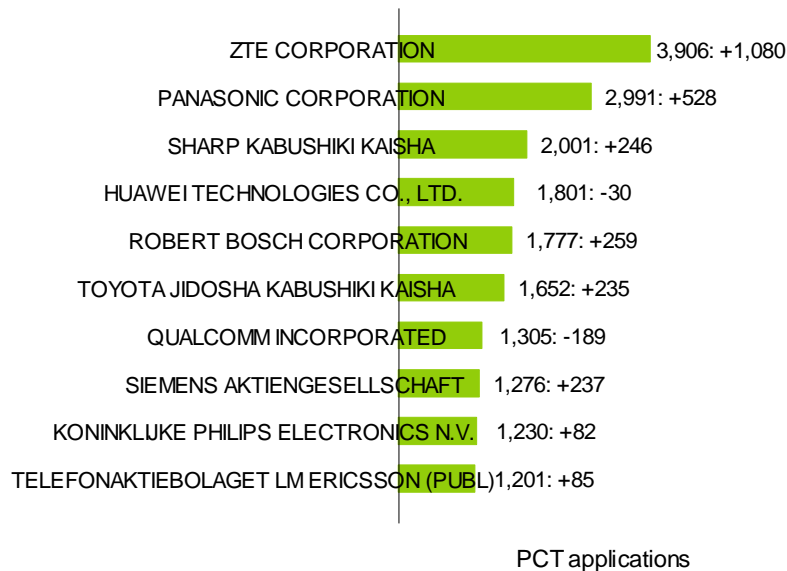
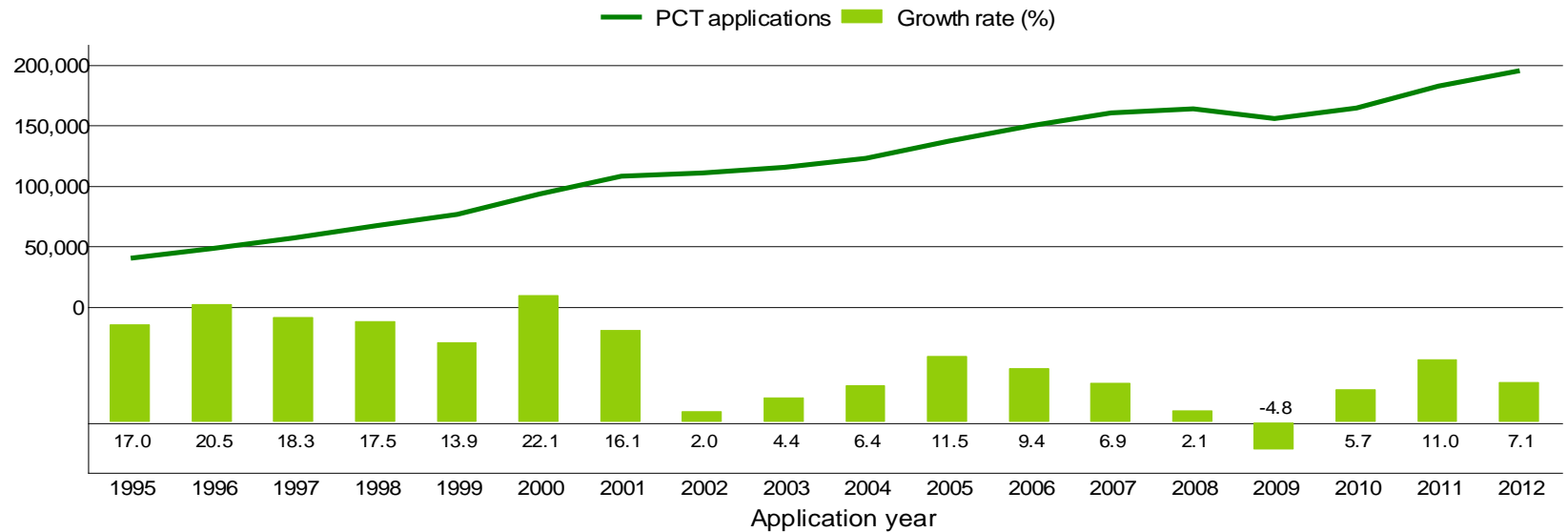
Table B.4.1.3 Trademark applications by industry sector

Industry sector	Share (%)		
	2007	2012	Change
Agricultural products and services	14.5	16.0	1.6
Textiles - Clothing and Accessories	12.9	14.1	1.2
Scientific research, Information technology, Communications	14.6	13.8	-0.8
Management, Communications, Real estate and Financial Services	11.4	11.8	0.4
Pharmaceuticals, Health, Cosmetics	11.4	11.1	-0.3
Leisure, Education, Training	12.3	11.0	-1.3
Construction, Infrastructure	7.6	6.9	-0.6
Household equipment	6.3	6.5	0.3
Transportation and Logistics	6.0	5.6	-0.3
Chemicals	3.1	2.9	-0.2

Note: For definitions of the class groups, see Annex B for a complete list of the Nice Classification.

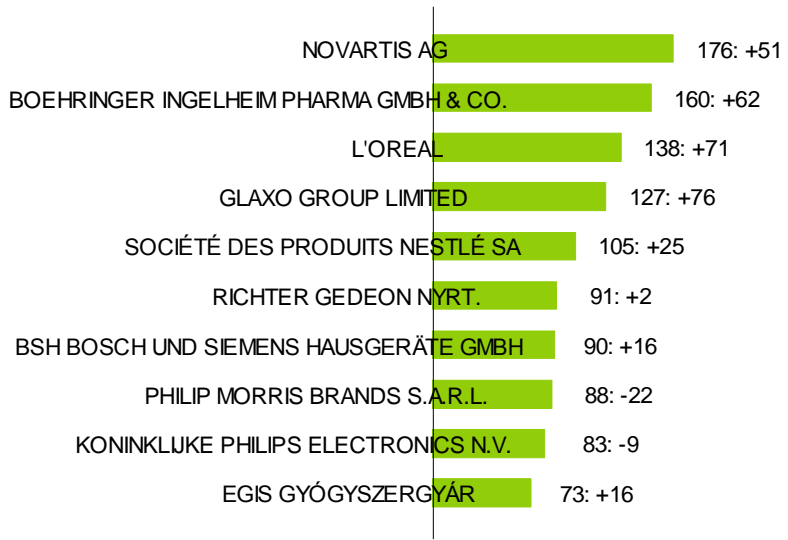
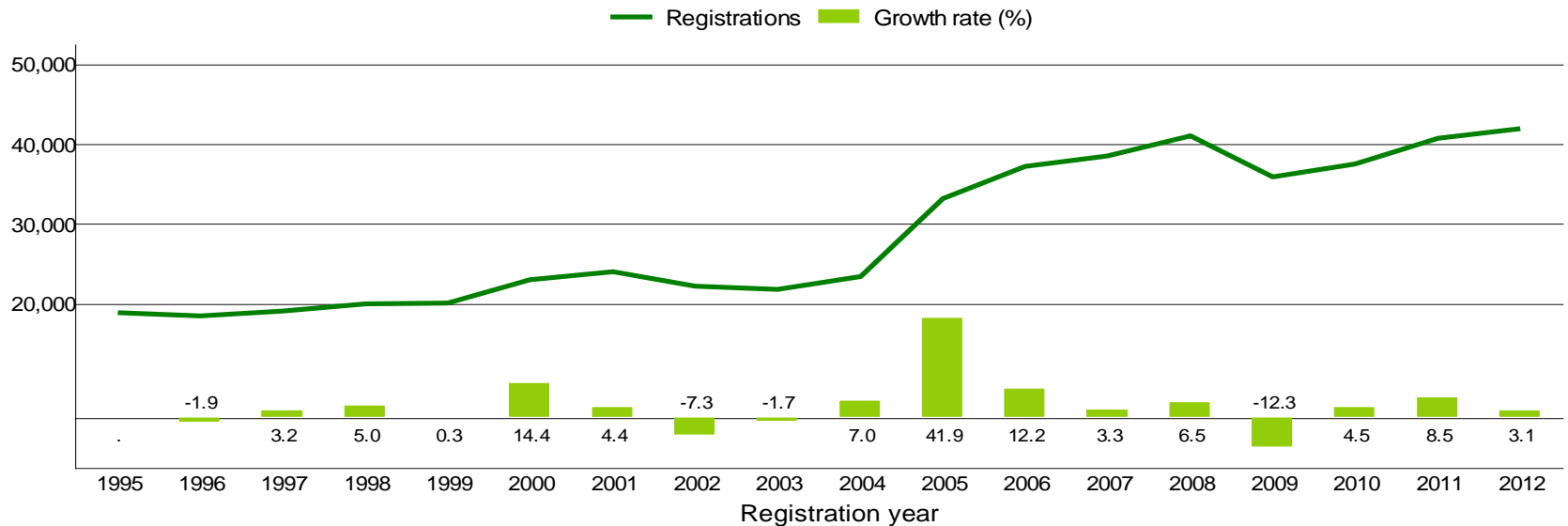
Source: WIPO Statistics Database and Edital®, October 2013

Globalization of IP filings -PCT



United States of America	26.4
Japan	22.4
Germany	9.6
China	9.5
Republic of Korea	6.1

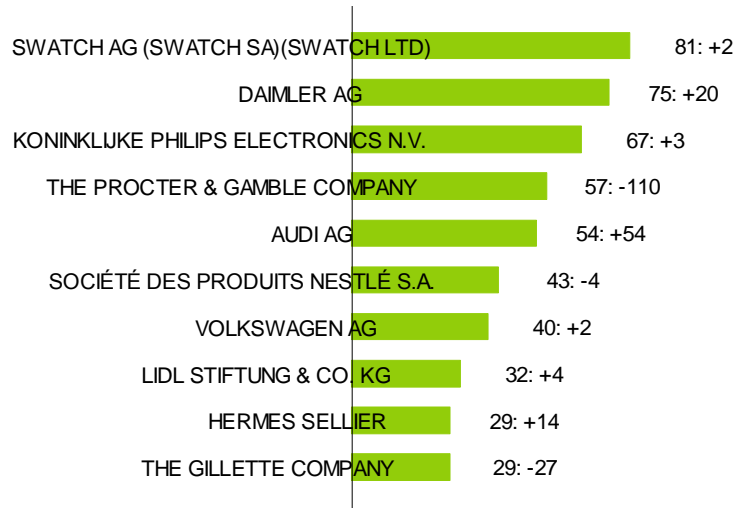
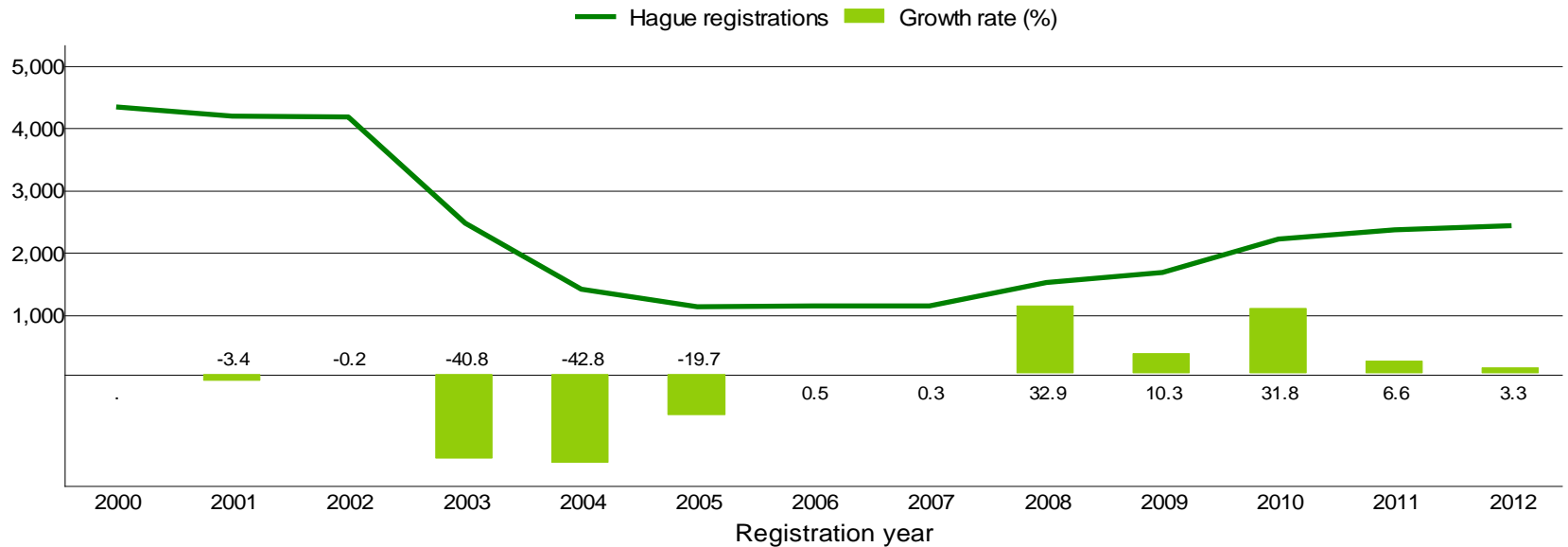
Globalization of IP filings - Madrid



Madrid international applications

Country	Share (%)
Germany	16.0
United States of America	12.2
France	9.6
Switzerland	6.7
Italy	6.6

Globalization of IP filings - Hague

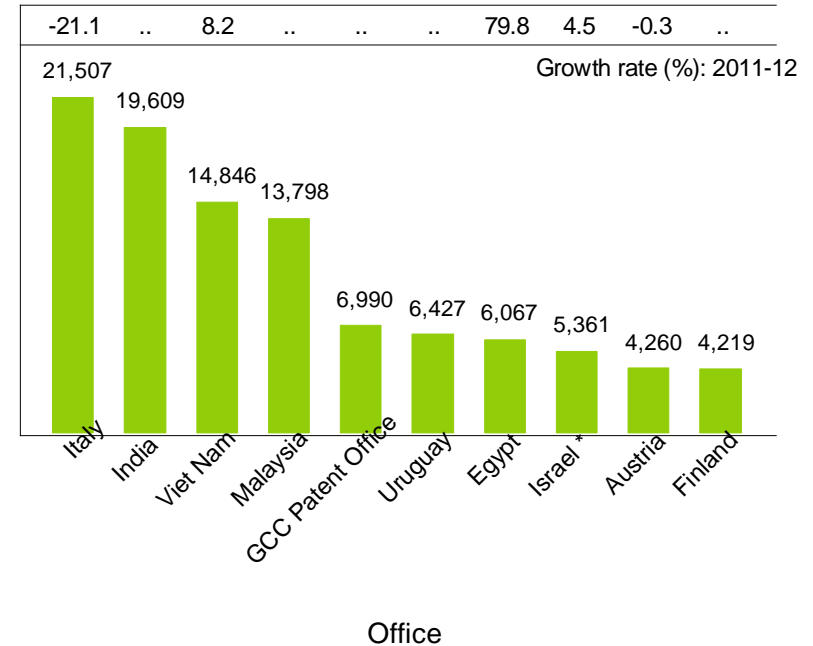
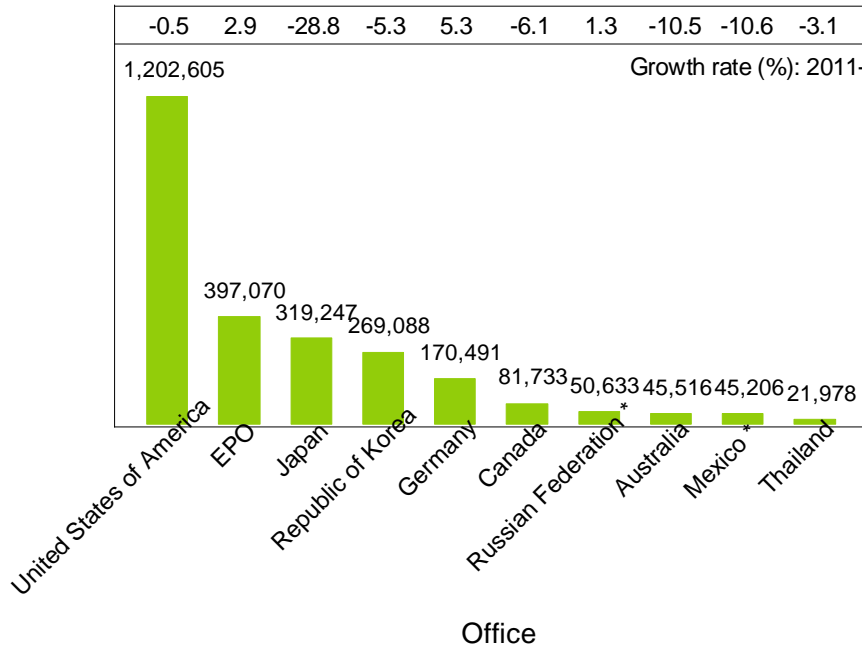


Hague international applications

Share in total Hague registrations (%), 2012	
Germany	26.6
Switzerland	23.0
France	11.6
Italy	7.1
Netherlands	5.5

Impact of rapid growth in IP filings

Pending applications



Challenges for IP offices

Processing large volume of IP filings in a timely manner

IP statistics can contribute to developing effective policies to deal with challenges faced by IP offices

Thank you!

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