

# Patent filing statistics

**WIPO IP Statistics data  
presentation of the latest trends**

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Economics and Statistics Division

**IP information roundtable**  
Geneva, October 25, 2017

# Part I

## WIPO Economics and Statistics Division

- Core objective
- Organizational chart
- Collected statistical data
- Types of data

# WIPO Economics and Statistics Division

Set up in 2009

to provide WIPO stakeholders

with

accurate and comprehensive datasets

and

high quality empirical analysis

# WIPO Economics and Statistics Division

**Dr. Carsten Fink**  
*Chief Economist*

Five sections – eleven staff

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IP Statistics Section

Innovation Economics Section

Creative Economy Section

Data Development Section

Composite Indicator Research Section

# Our two main sources of data

## WIPO data

*exhaustive  
up-to-date  
complete*

PCT System (international phase) – *patents*

Madrid System – *trademarks*

Hague System – *industrial designs*

## IP offices data

*> 30 questionnaires  
annual survey  
aggregate*

G.I.

Industrial design

Patent

Plant variety

Trademark

Utility model

Filing

Registration/grant

In force

Pending

etc.

# Information provided by most WIPO IP statistics data

## Source

*the origin of filings*

## Destination

*where applications are filed*

IP office

Country/territory

Region

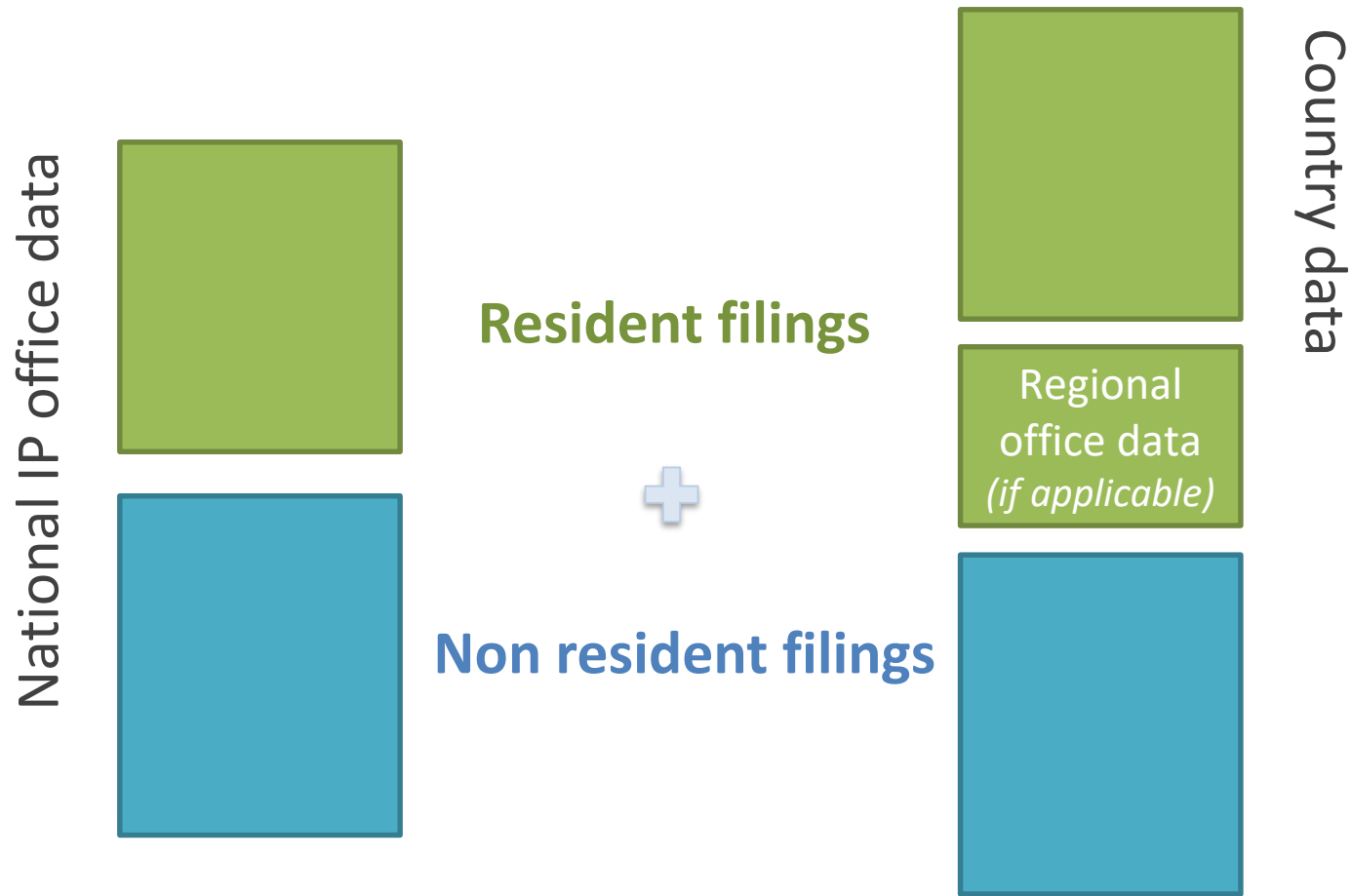
Income group

Total

World estimate

# Destination

*where applications are filed*



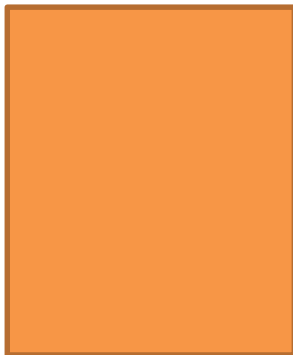
# Source

*the origin of filings*

Absolute count



Regional office data  
*(if applicable)*



Resident filings



Filings abroad

Equivalent count



Regional office data  
*(if applicable)*

N° of jurisdictions  
in which  
filings are  
valid

*Two methods: absolute & equivalent counts*



# Concordance table : absolute to equivalent count

One patent application filed is the equivalent of:

Regional patent office	Abbreviation	Does the applicant reside in a member state of the regional office?	
		Yes	No
African Intellectual Property Organization	OAPI	1 + 16	17
African Regional Intellectual Property Organization	ARIPO	1 + 1	1
Eurasian Patent Organization	EAPO	1 + 7	8
European Patent Office	EPO	1 + 1	1
Patent Office of the Cooperation Council for the Arab States of the Gulf	GCC Patent Office	1 + 5	6

Legend: resident filing ; filing abroad

# IP application filing data coverage for 2015

**Patents**

**99.3%**

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**116 offices**

**Trademarks**

**97.2%**

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**108 offices**

**Utility models**

**99.9%**

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**60 offices**

**Industrial designs**

**96.3%**

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**130 offices**

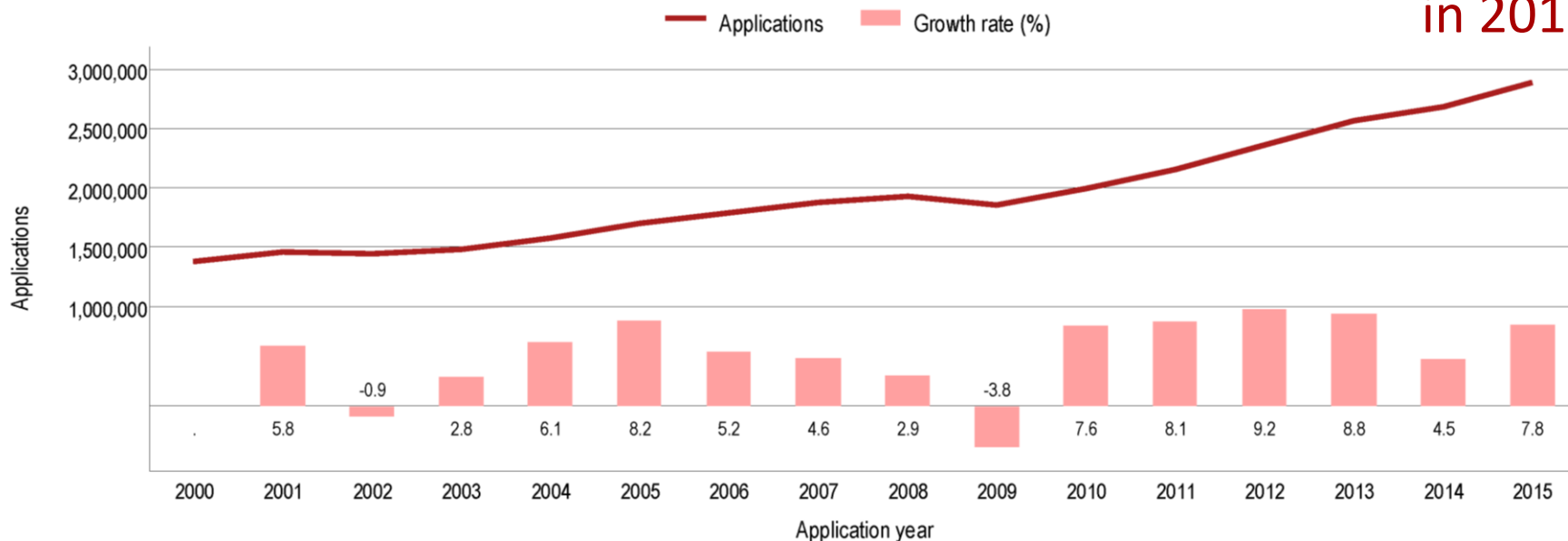
# Part II

## Latest trends in patent filings

- Patent filings worldwide
- PCT international applications

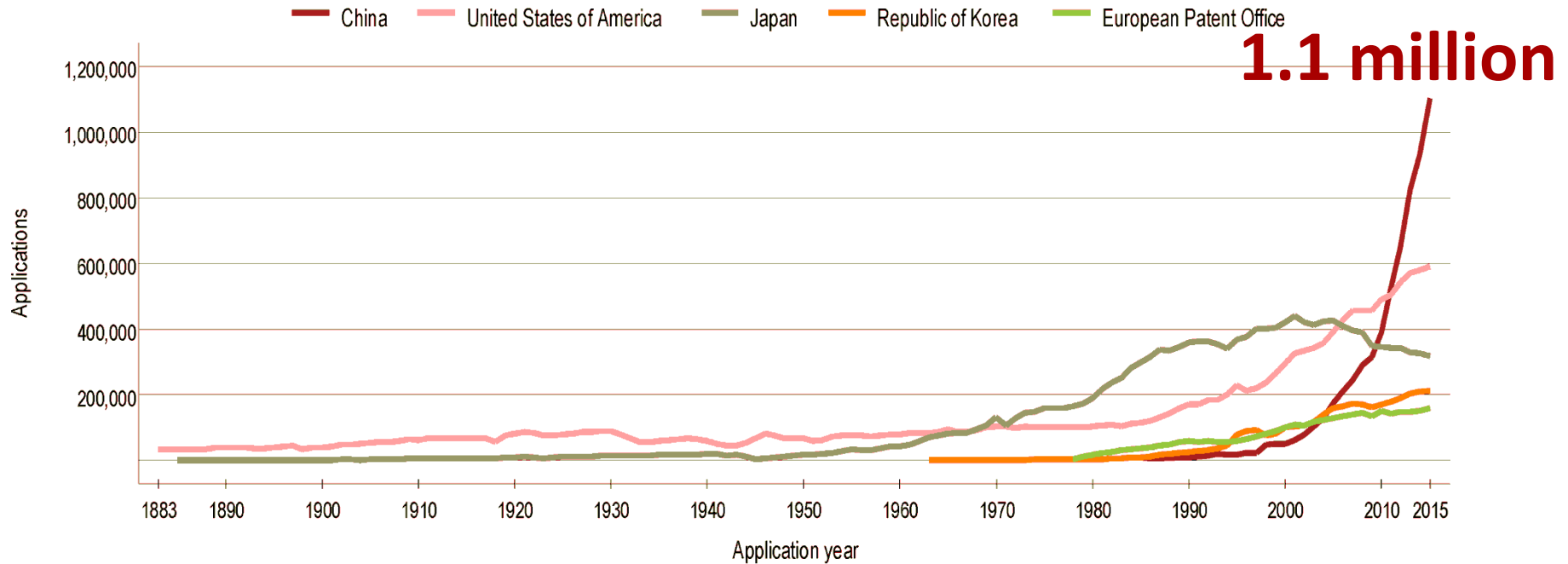
# Patent applications filed worldwide, 2000-2015

**2.9 million**  
in 2015



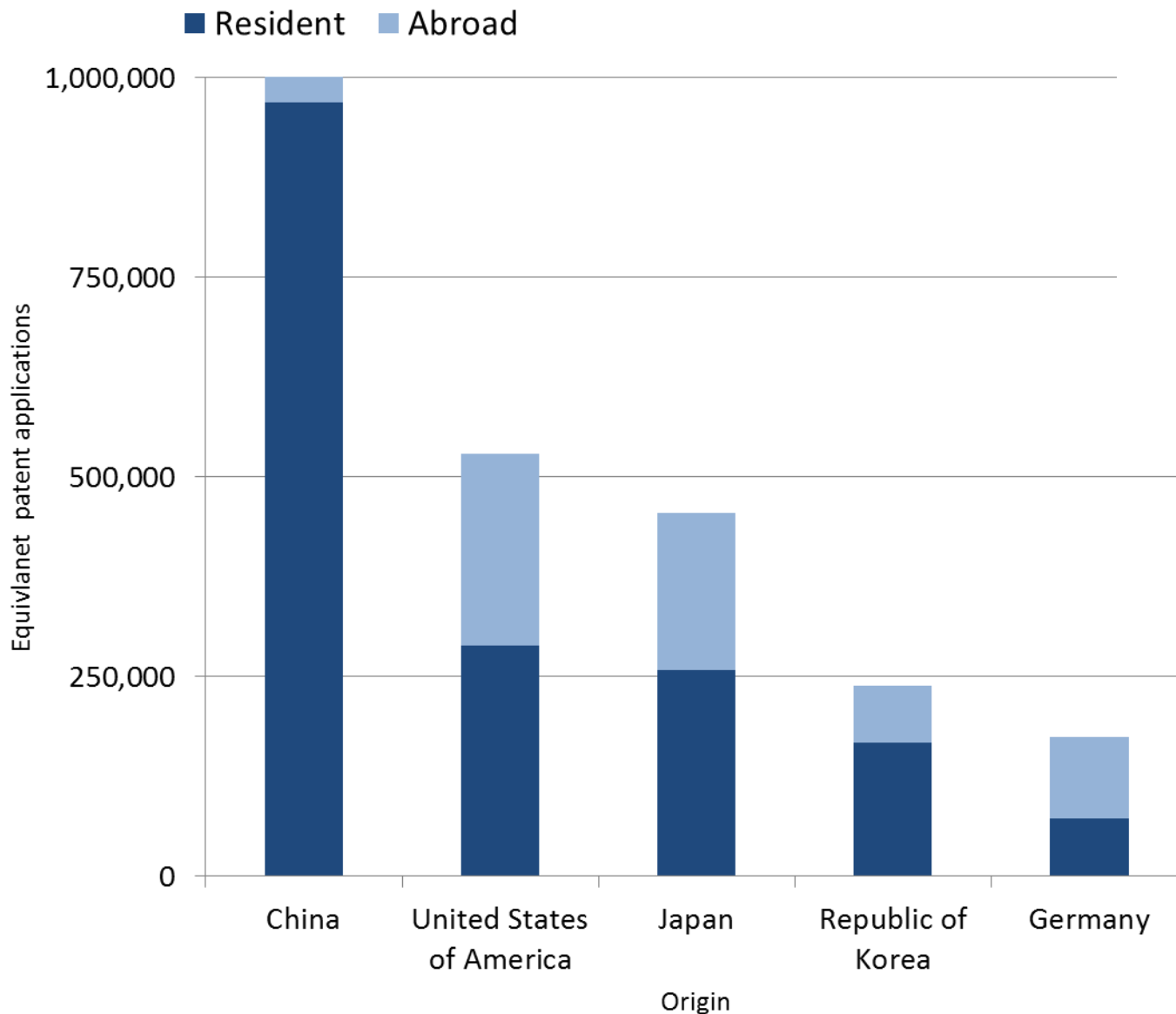
doubled in 14 years

# Filings at the top five offices, 1883-2015



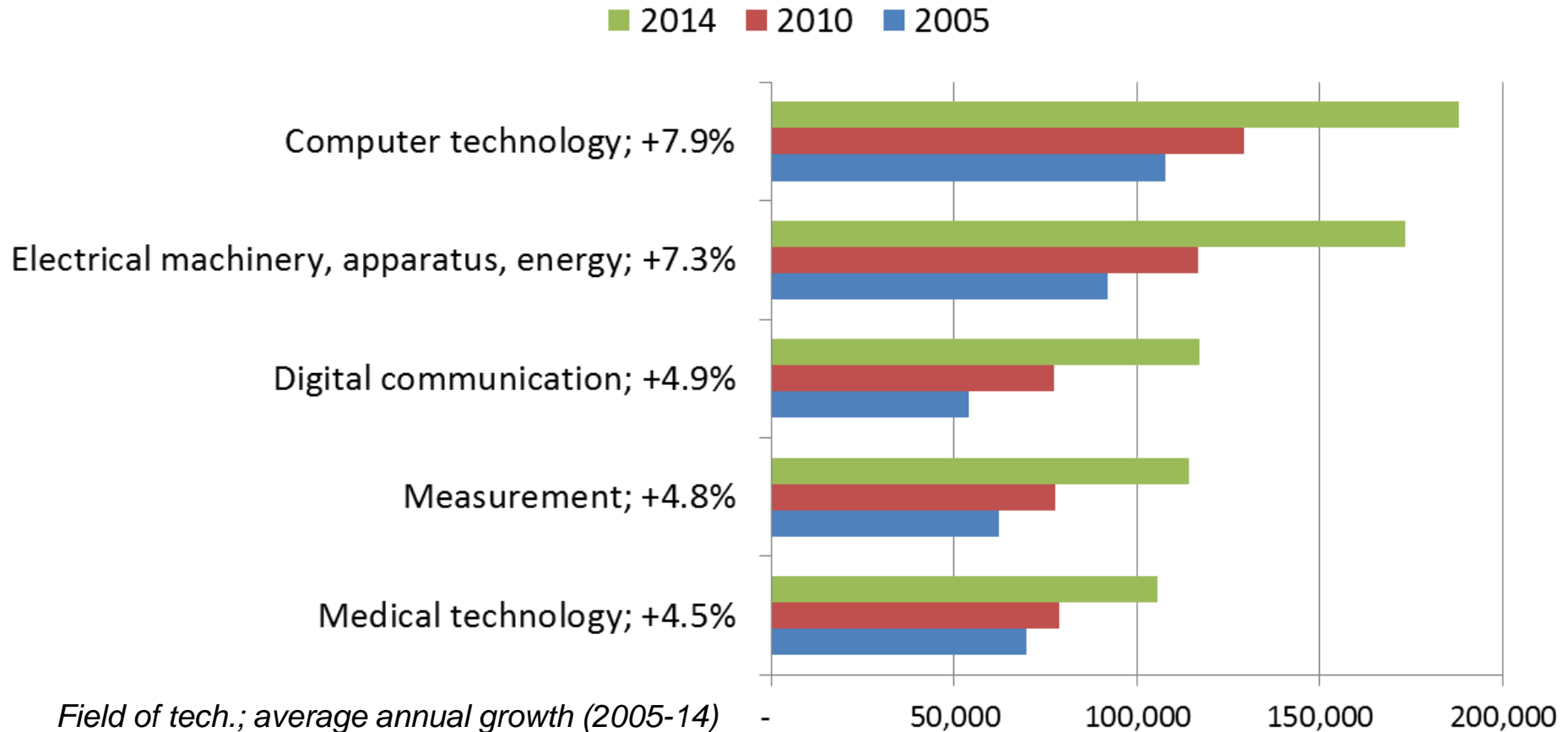
U.S.+ Japan + Rep. of Korea = 1.12 million filings

# The top five countries of origin in 2015



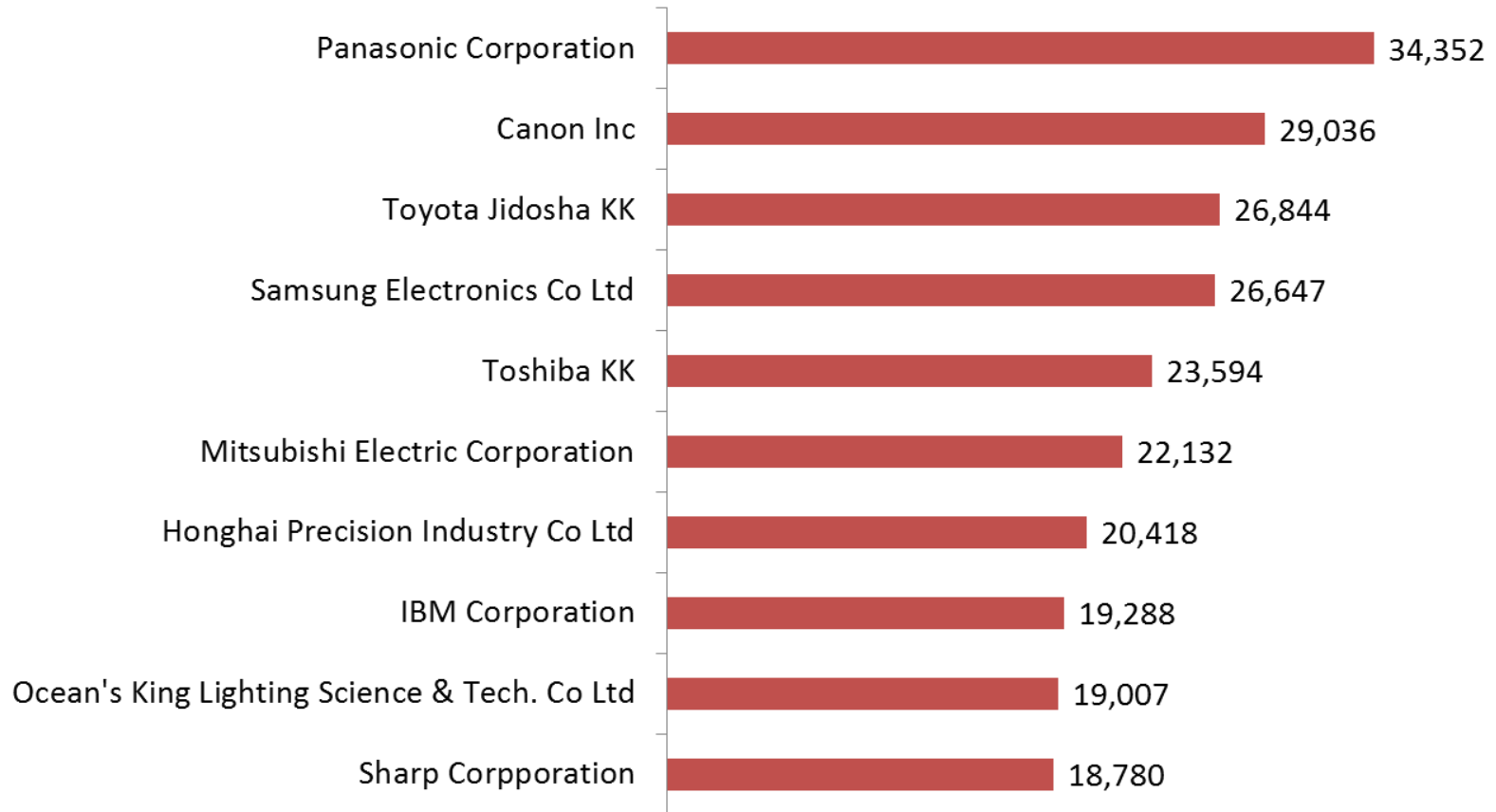
**China**  
accounts for  
**35%**  
of world total

# Top 5 fields of technology in patent applications worldwide



Top 5 = 30% of total filings in 2014

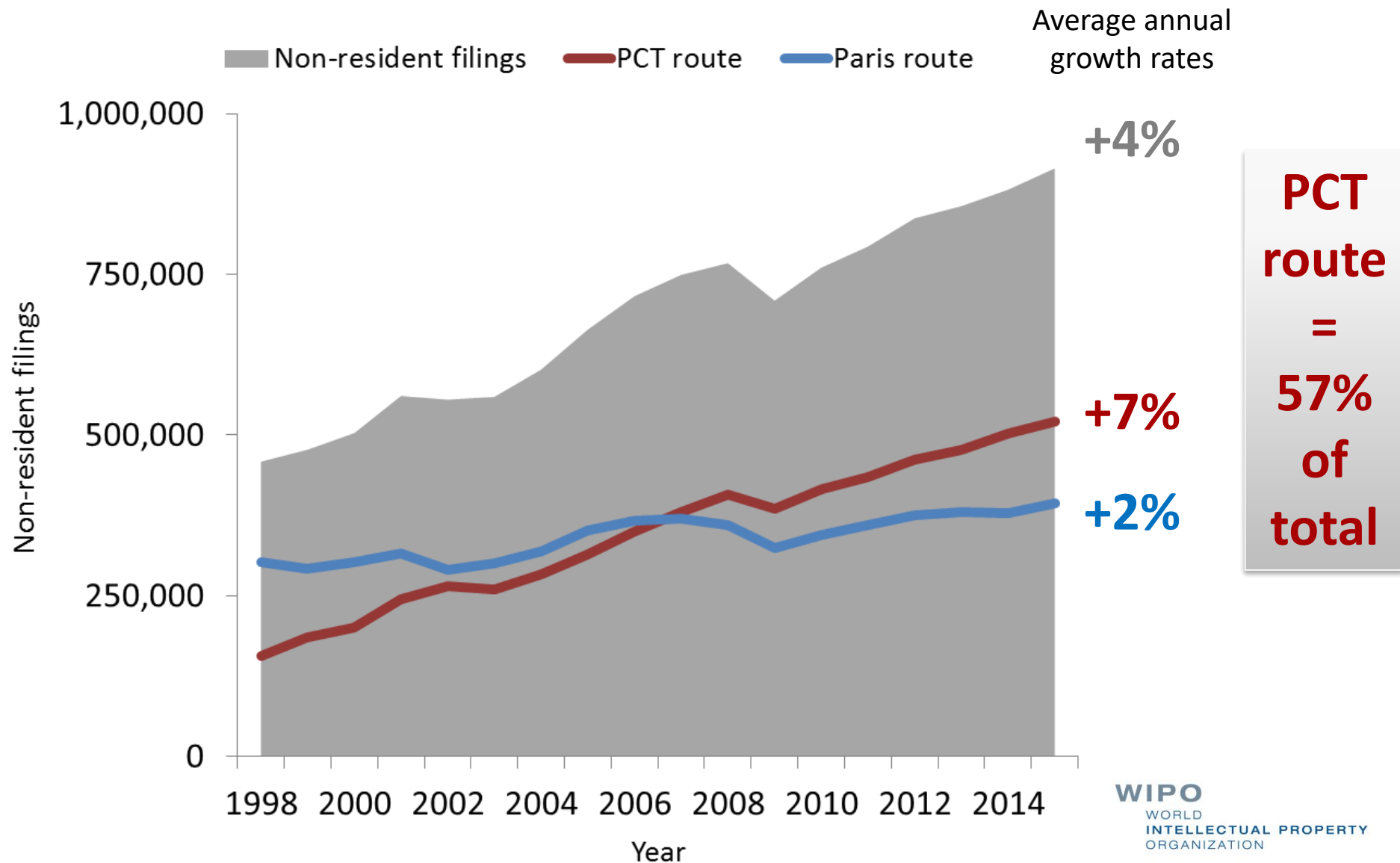
# Top 10 patent applicants worldwide, based on total number of patent families, 2010-13



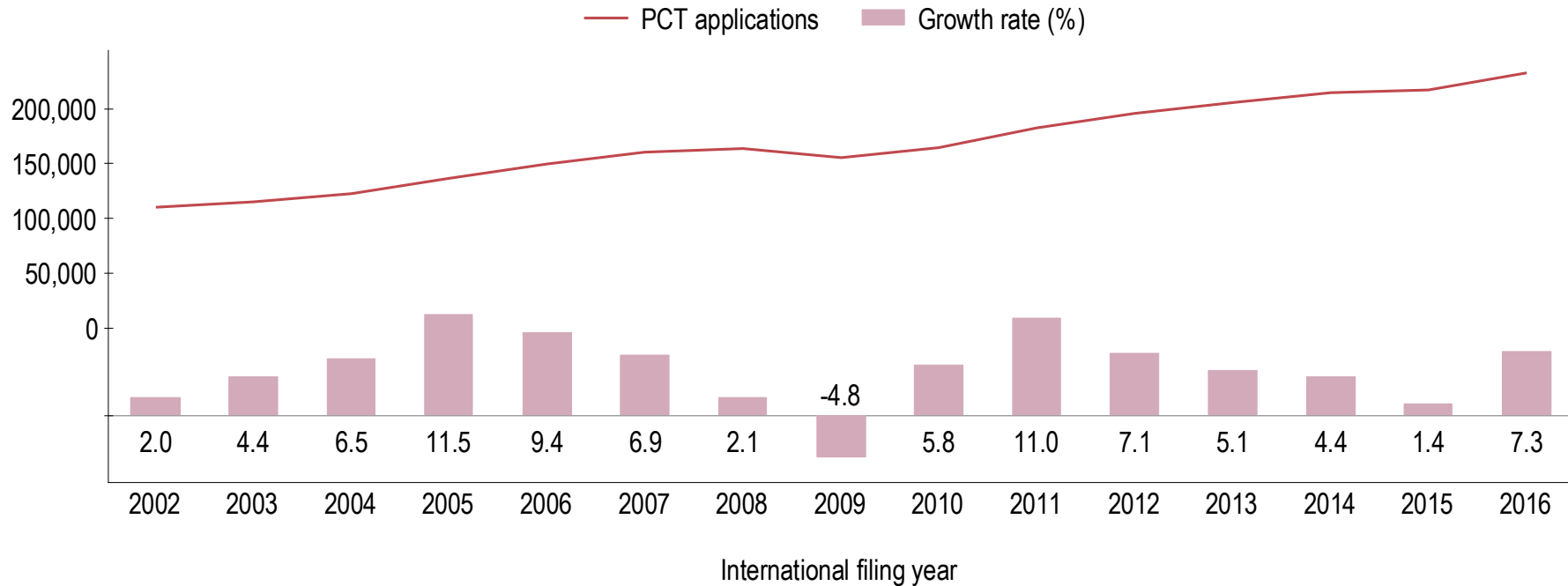
Nine are from Asia, among which 6 are from Japan



# Non-resident filing trends, 1998-2015

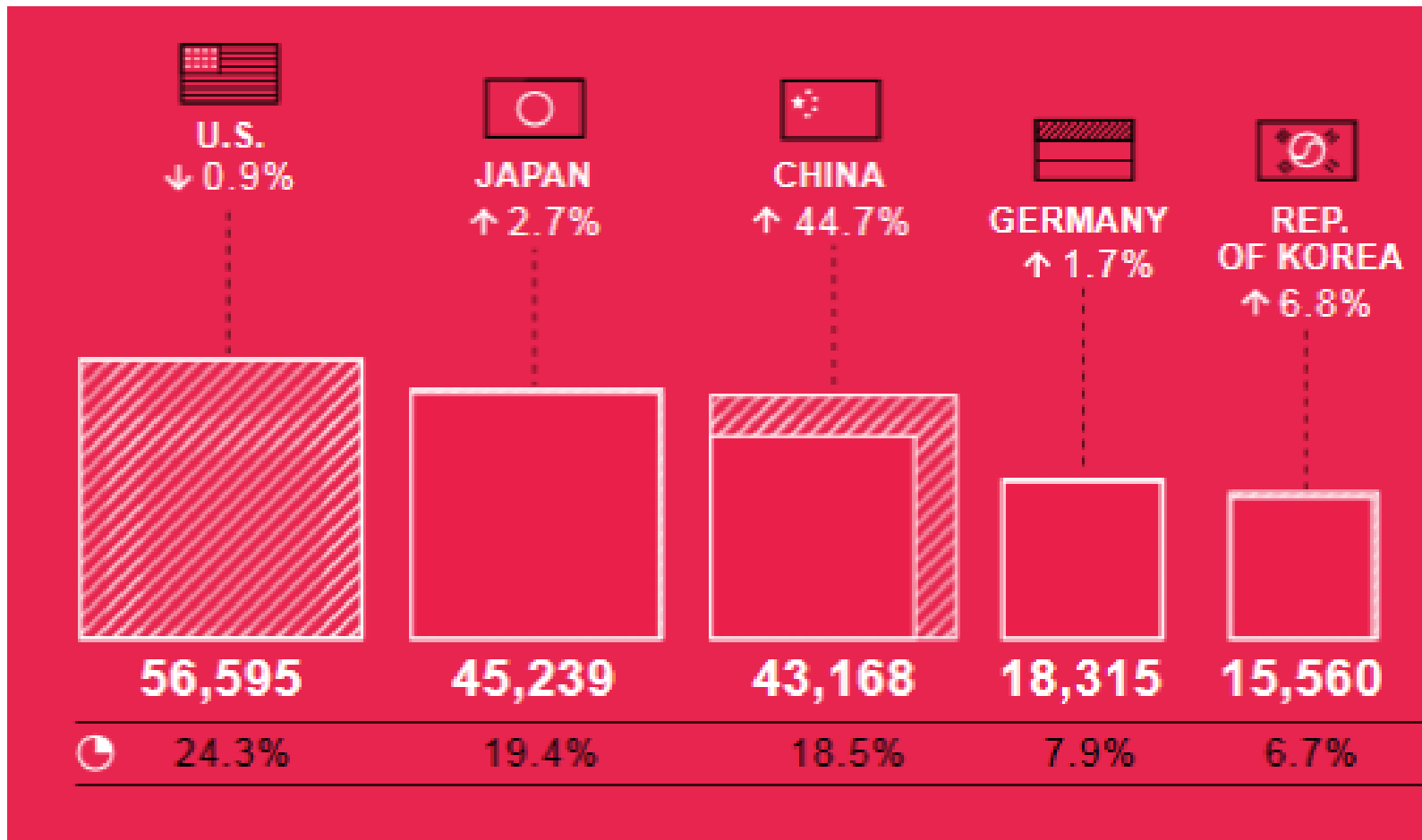


# PCT international applications, 2002-16



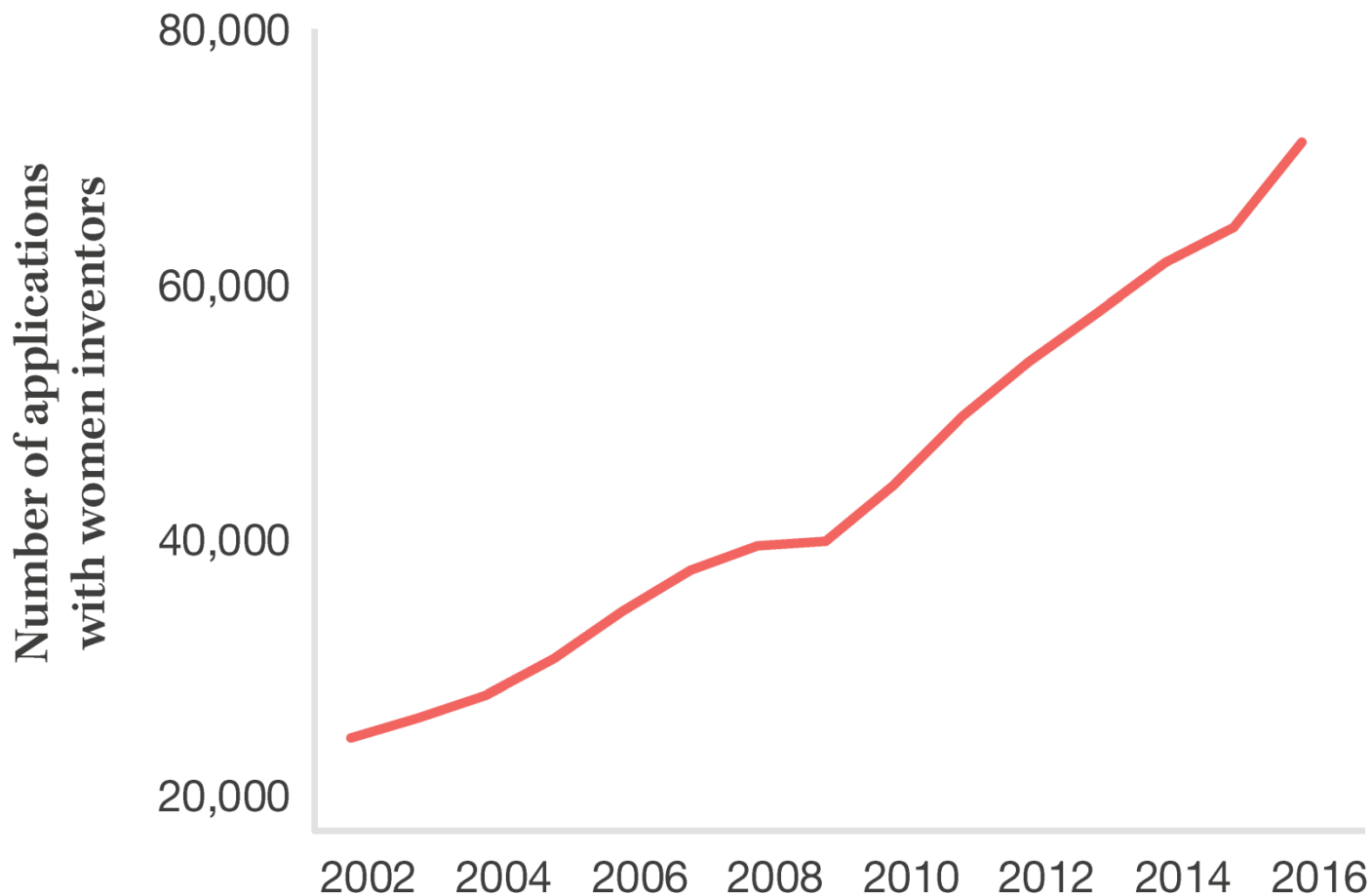
233,000 PCT applications filed in 2016

# PCT applications for the top 5 origins, 2016



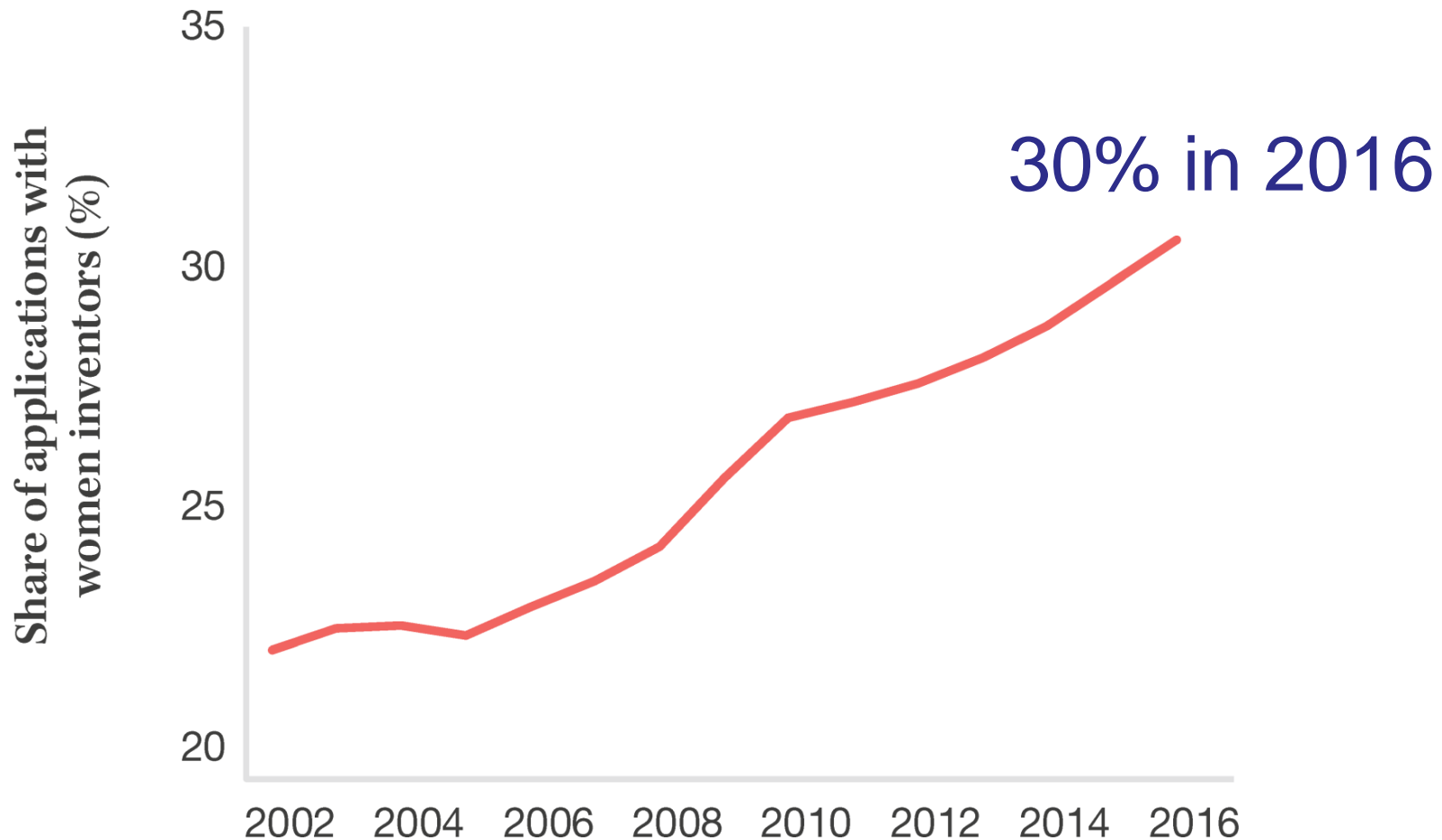
Top 5 = 77% of total

# Number of PCT applications with women inventors, 2016

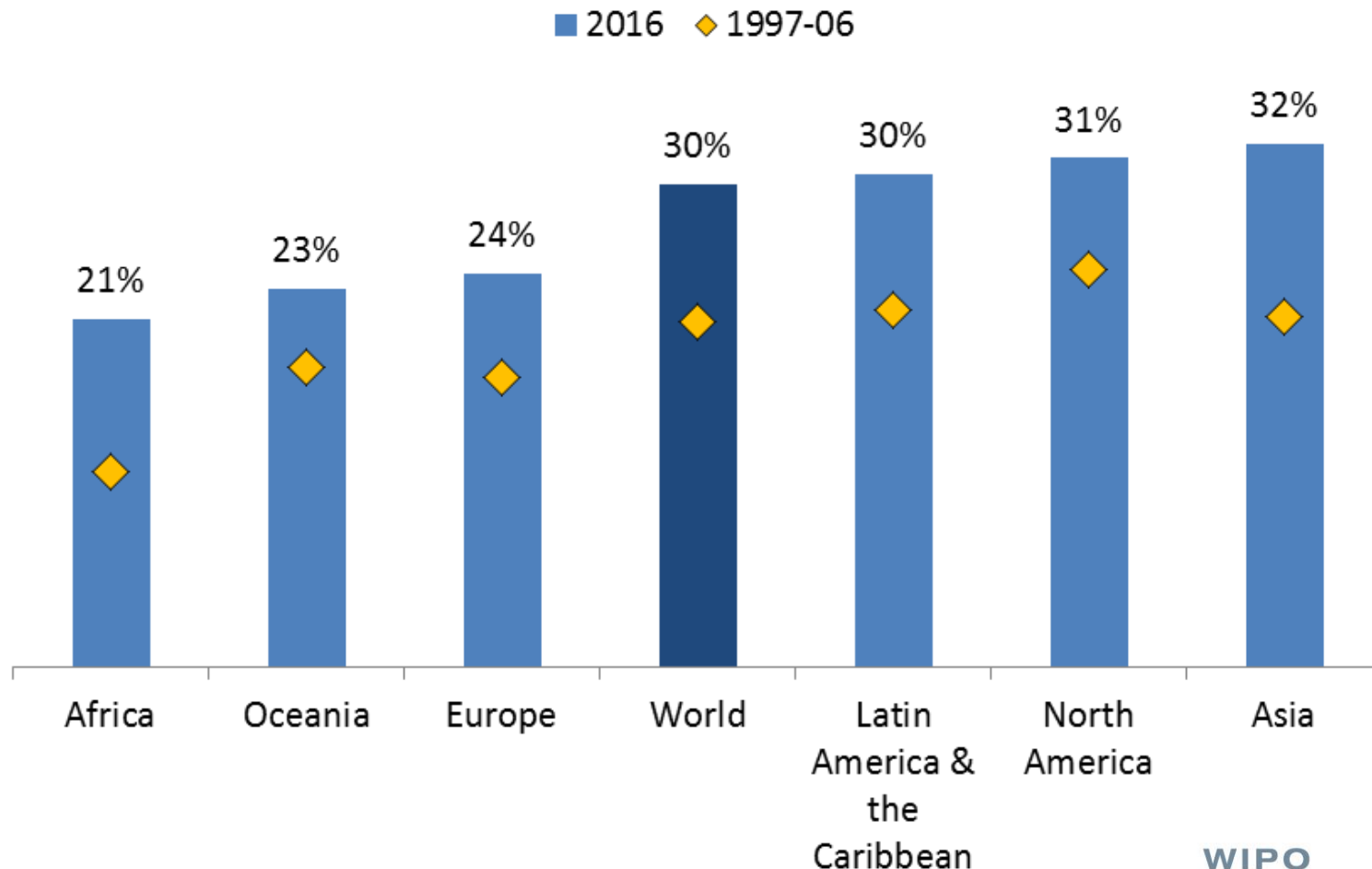


doubled in 11 years

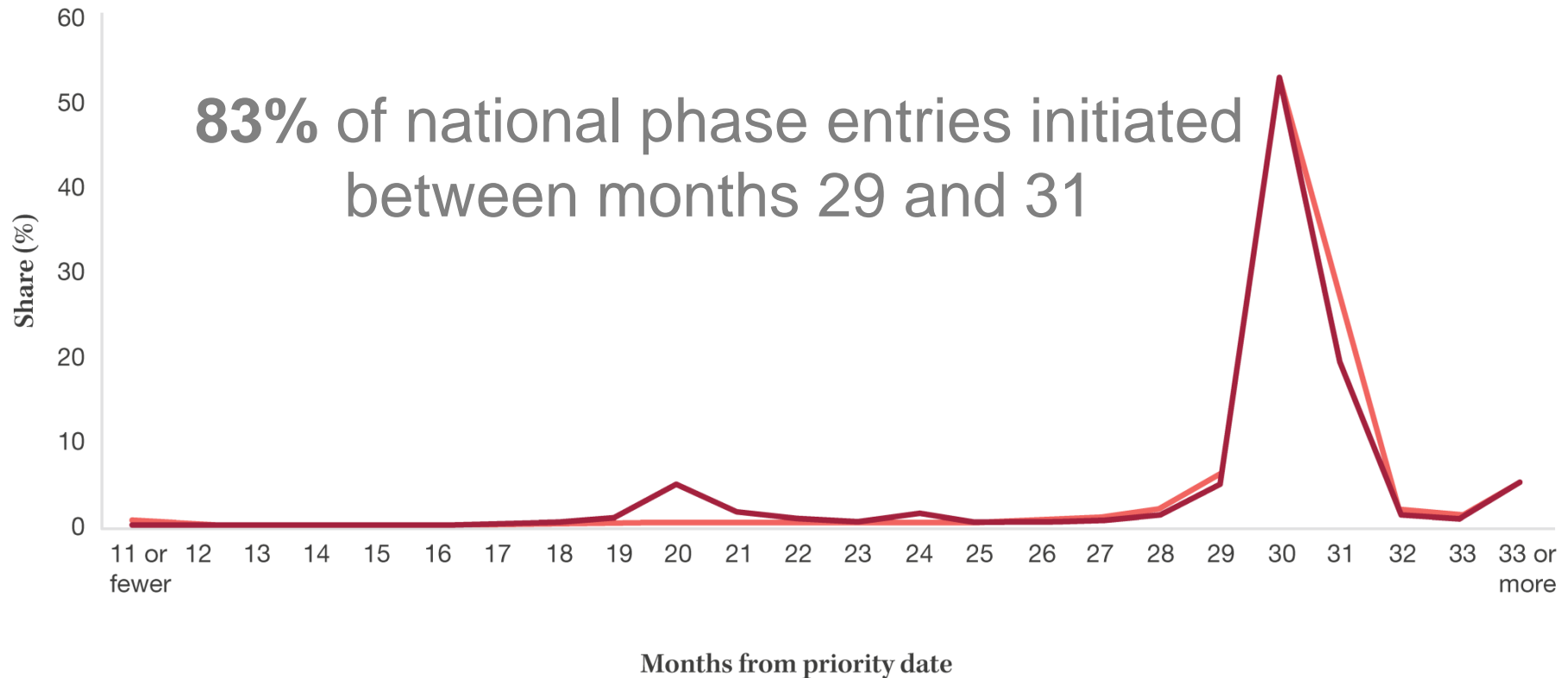
# Share of PCT applications with women inventors in total, 2016



# Share of PCT applications with women inventors by geographical region



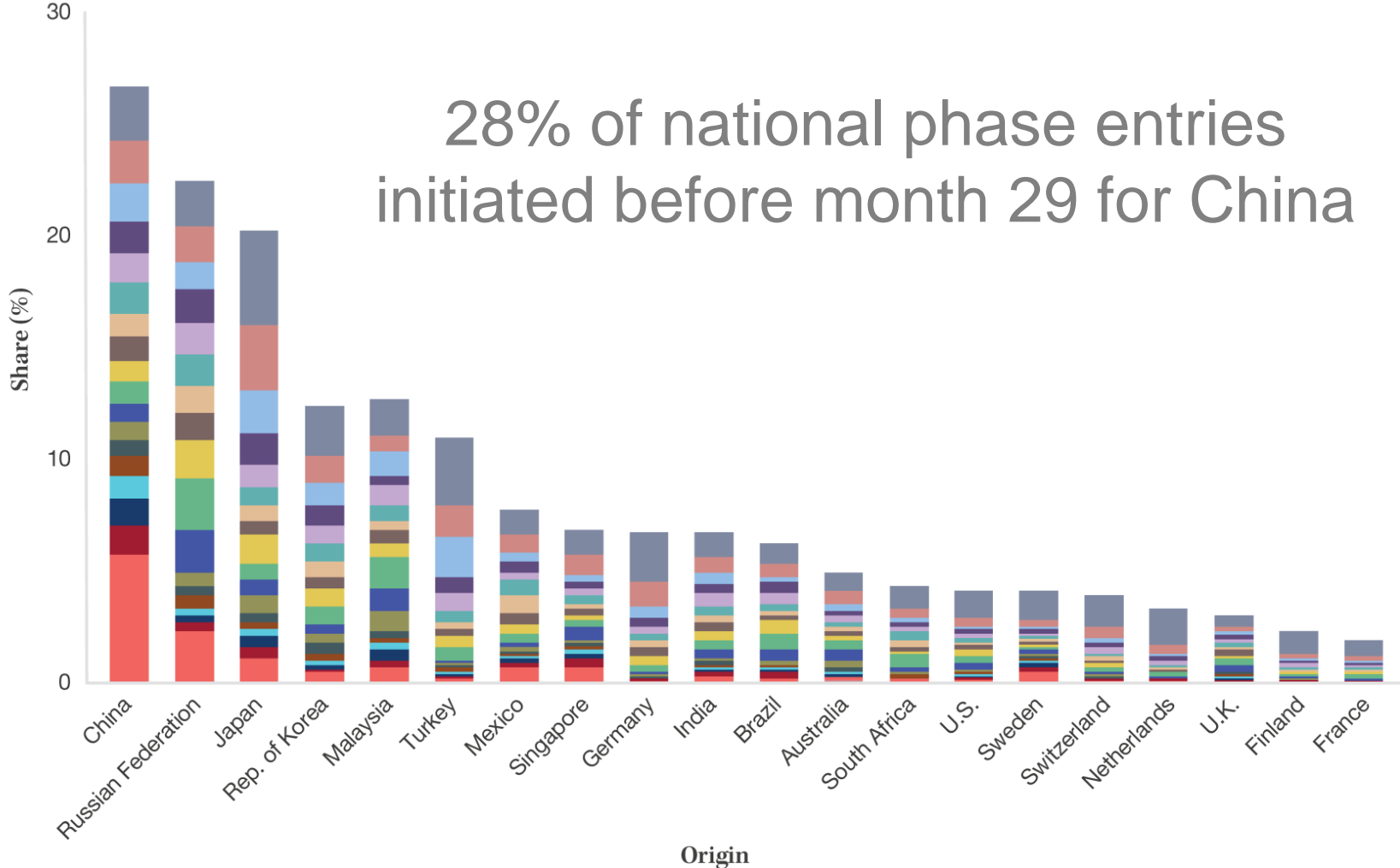
# Distribution of PCT national phase entries per month from priority date



■ 2007 - 2016

■ 1997 - 2006

# Cumulative share of PCT national phase entries per month from priority date, 2007-16



Month from priority date:







# Part III

## Data and analyzes available

- Economics of IP
- IP Statistics

# WIPO economics of IP products

## Global Innovation Index

1.  2.  3. 

## World IP Report

*Global value chains and intangible capital*

## Economic Researches

*a series of currently 35 working papers*

*publications*



## Home page

*[www.wipo.int/econ\\_stat](http://www.wipo.int/econ_stat)*

## Literature Database

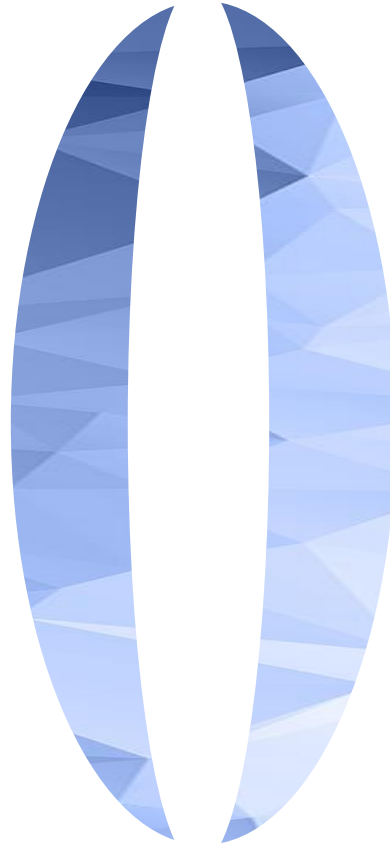
*key literature on economics of IP*

## Development Studies

*IP and economic development*

*web*

# WIPO IP Statistics products



## World IP Indicators

*analyzes the latest trends*

## Facts & Figures

*provides key numbers*

## Yearly Reviews

*Hague, Madrid & PCT Systems*

*publications*

## Home page

*[www.wipo.int/ipstats](http://www.wipo.int/ipstats)*

## Data Center

*query our database*

## Country profiles

*for 192 countries*

*web*

Visit **WIPO IP Statistics** at  
[www.wipo.int/ipstats](http://www.wipo.int/ipstats)

## Contact us

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