



WIPO | PCT

The International
Patent System



PCT Statistics

PCT Working Group
Seventeenth Session

February 19 to 21, 2024

Sources:

2023 PCT Yearly Review

The International Patent System

WIPO Publication No. 901EN/23

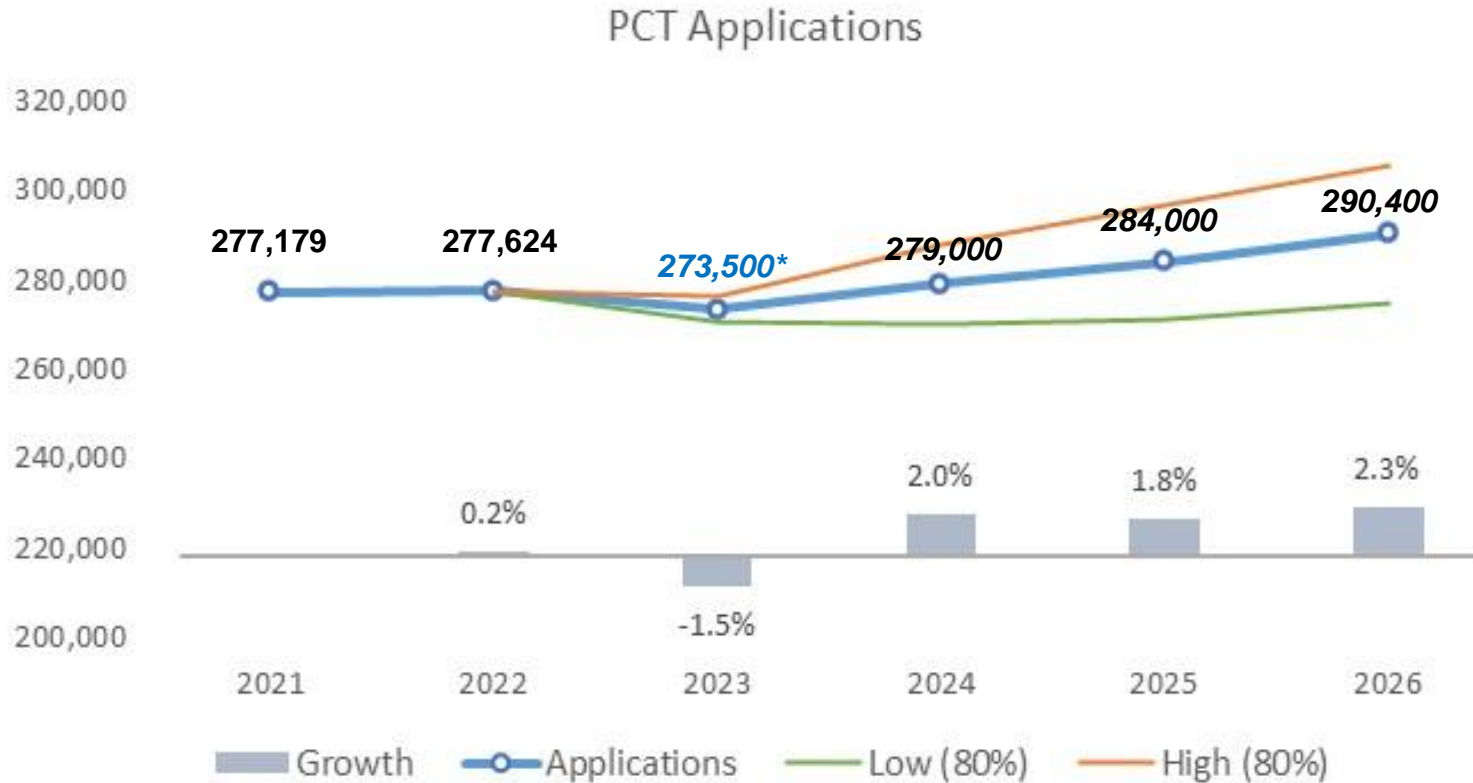
WIPO IP Statistics Data Center

<http://www.wipo.int/ipstats/en/>

Outline

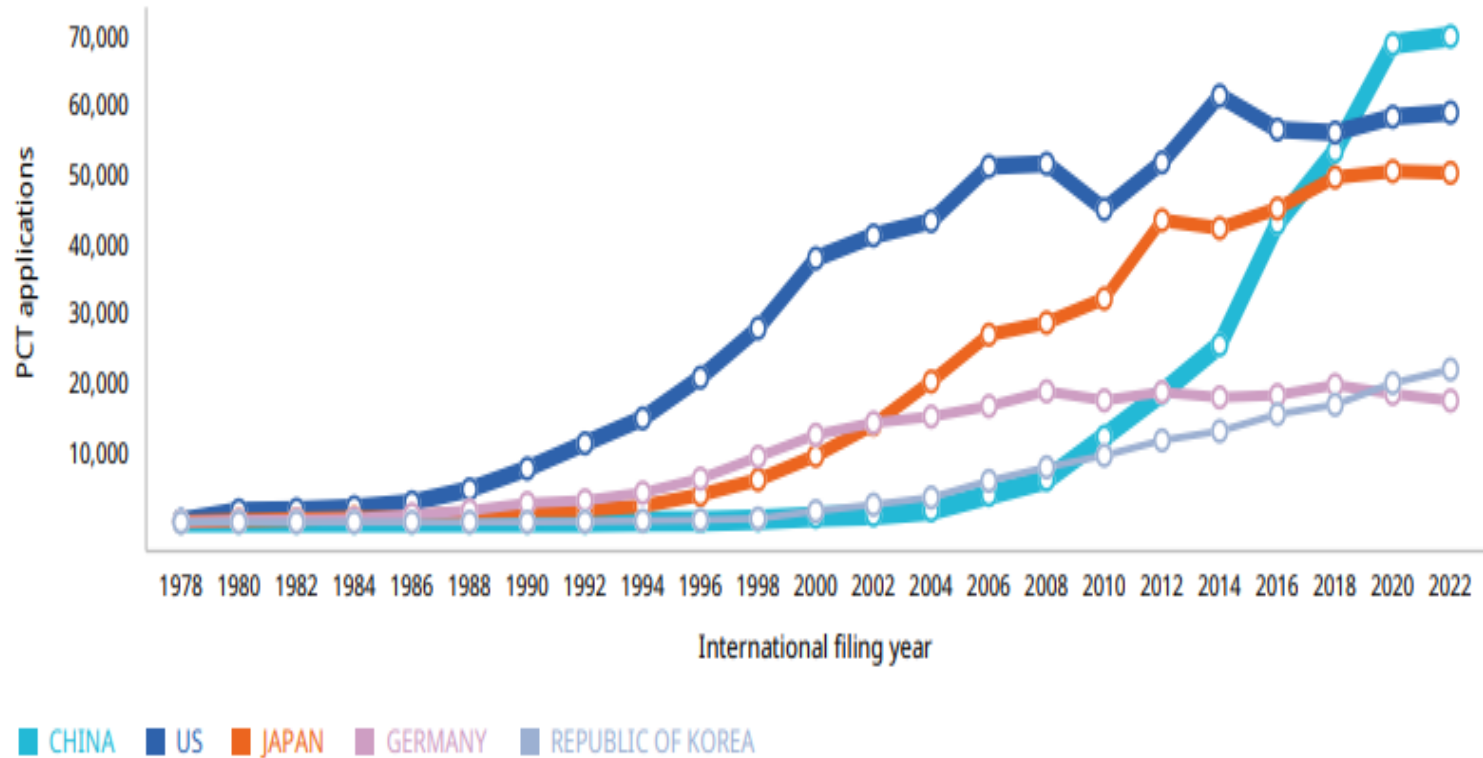
- PCT Application Filings
- Receiving Offices
- International Authorities
- PCT National Phase Entries

PCT Application Filings

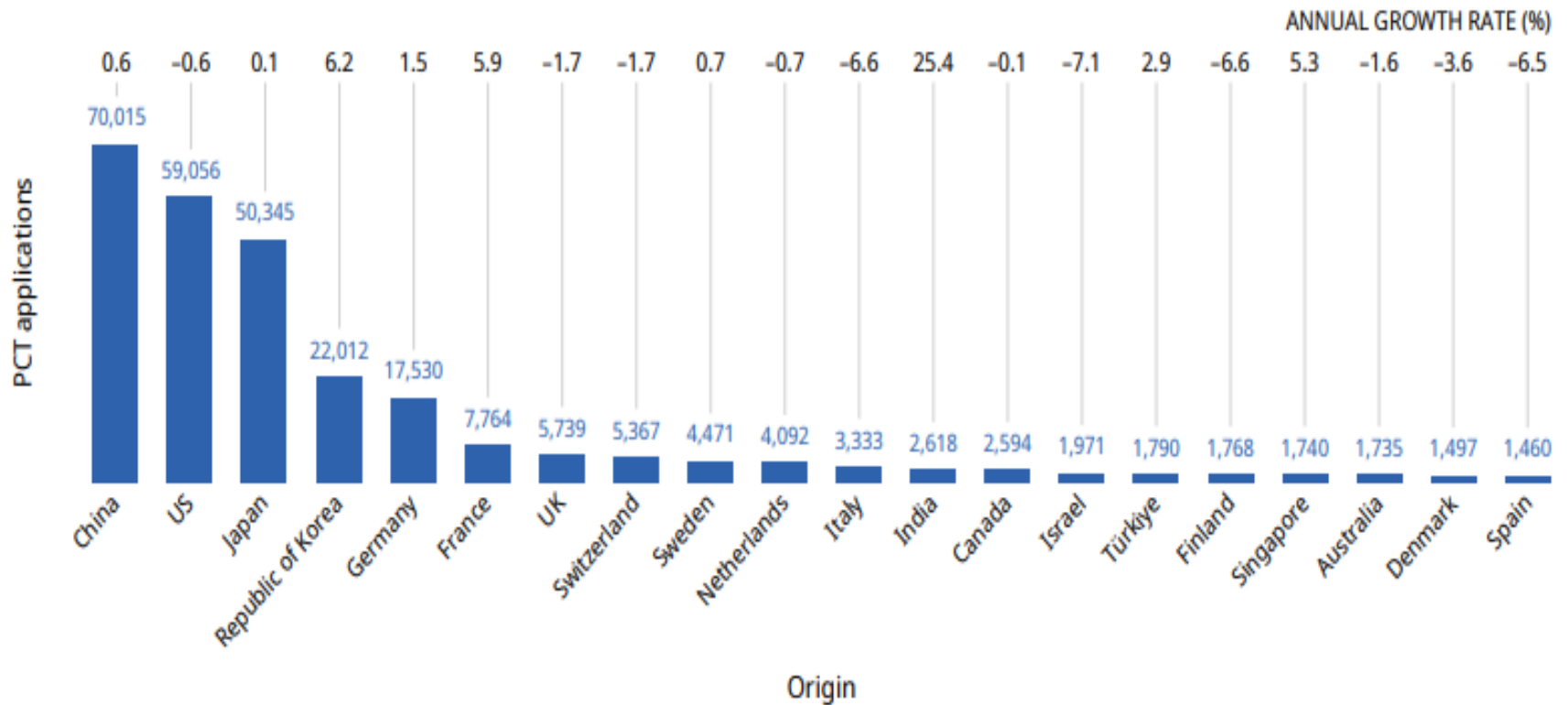


*Provisional data

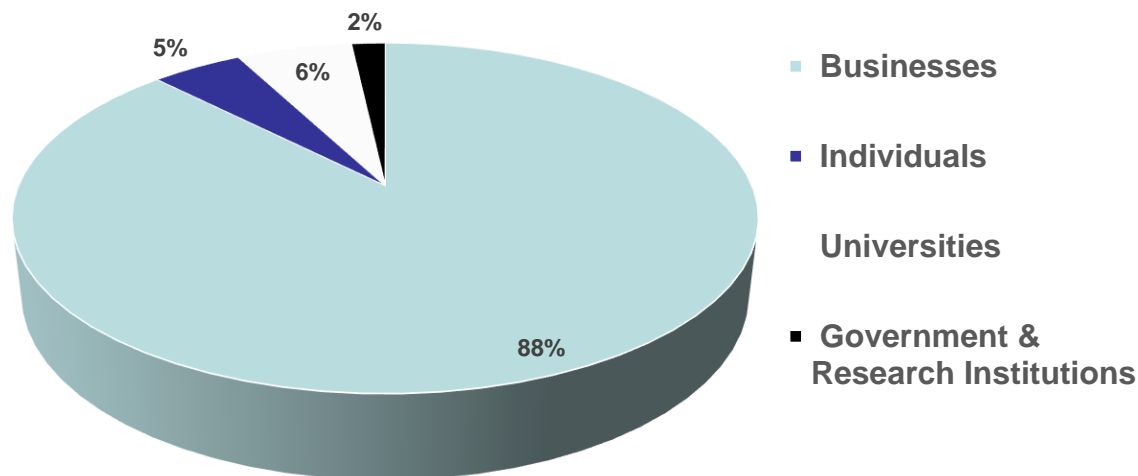
Filing Trends for the Top 5 Origins



PCT Applications for the Top 20 Origins in 2022



Distribution of PCT Applicants in 2022



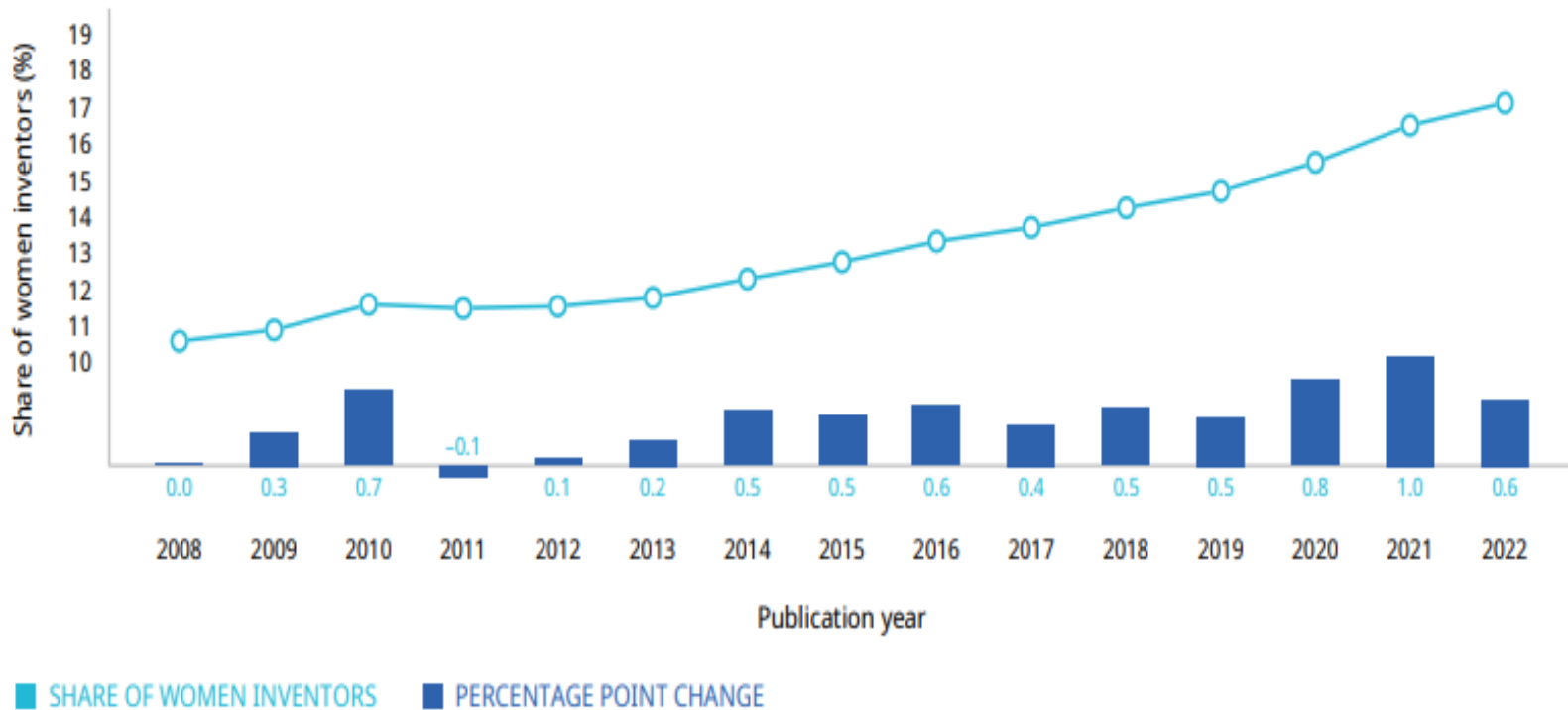
Top Applicants:

Businesses: Huawei Technologies – 7,689 published applications

Universities: University of California – 552 published applications

Government and Research Institutions: Shenzhen Institute of Advanced Technology of China – 486 published applications

PCT Applications by Gender



- In 2022, the share of women listed as inventors grew to 17.1% (provisionally 17.7% in 2023).
- About 96% of all PCT applications listed at least one man as inventor, and around 35% listed at least one woman as inventor in 2022.

Main Fields of Technology in 2022

■ Main Fields of Technology by Percentage of Total

■ Computer Technology	28,224 applications (10.4%)
■ Digital Communication	25,664 applications (9.4%)
■ Electrical Machinery	19,353 applications (7.1%)
■ Medical Technology	19,013 applications (7%)

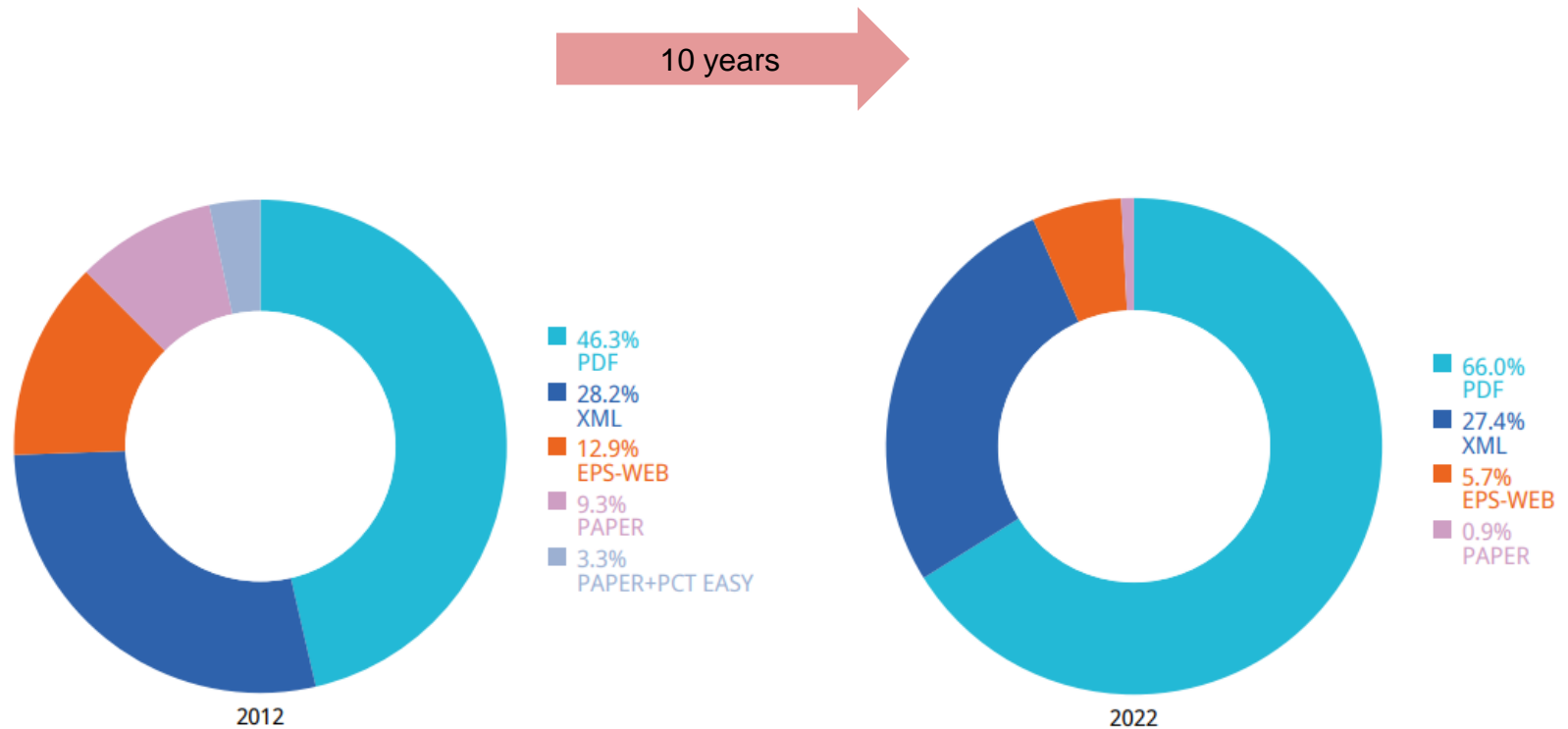
■ Largest increases:

- Furniture, games: +9.8%
- Digital communication: +8.7%
- Other consumer goods: +8.4%
- Computer technology: +8.1%

■ Largest decreases:

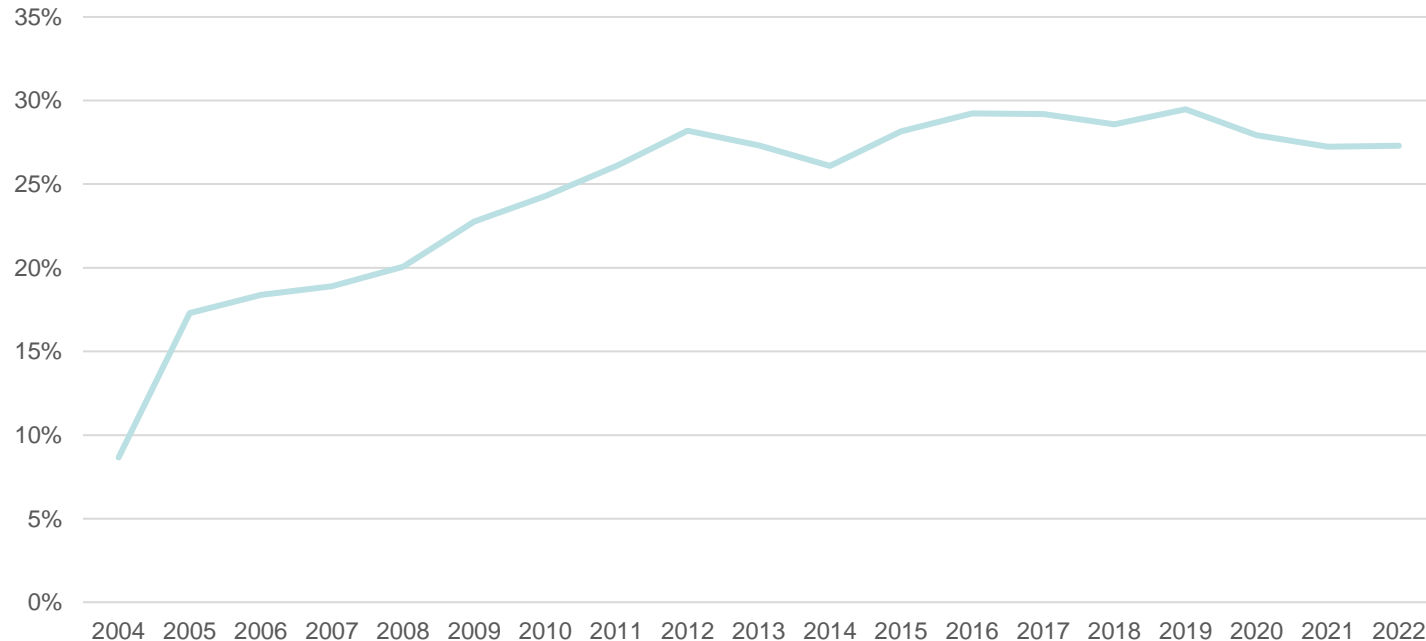
- Textile and paper machines: -7.5%
- Optics: -6.6%
- Audio-visual technology: -6.3%
- Civil engineering: - 6.0%

PCT Applications by Medium of Filing



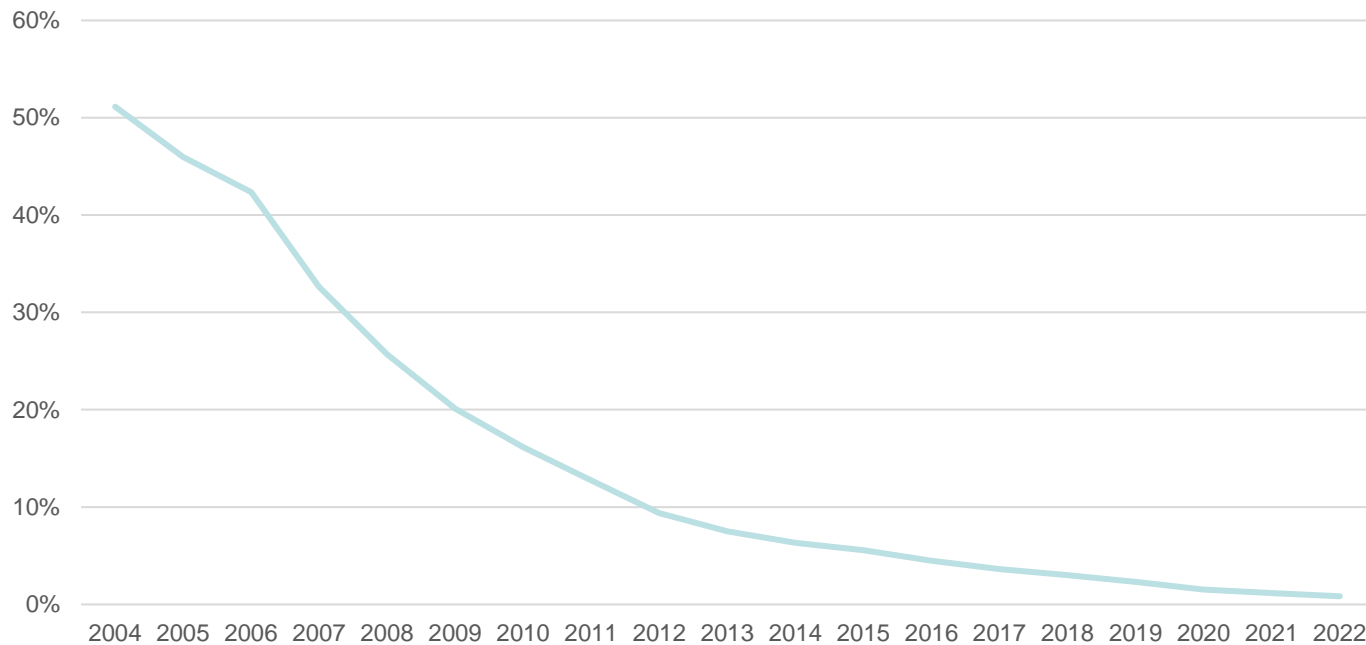
- Filing medium distribution for 2022 (2021): 66.0% (65.0%) PDF, 27.4% (27.3%) XML, 0.9% (1.3%) Paper.
- Provisionally for 2023: 65.8% PDF, 28.3% XML, 0.8% Paper.

Percentage of PCT Filings in XML



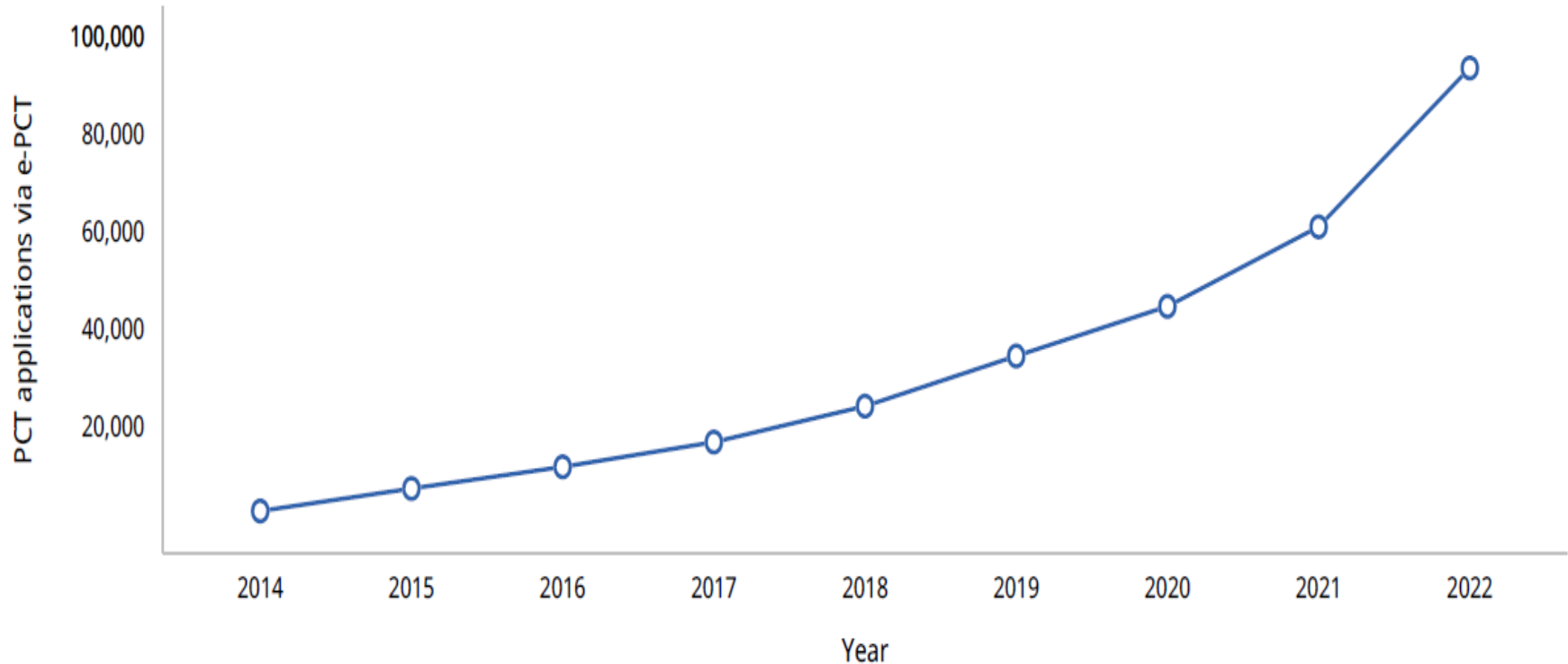
- XML filings were increasing and rose to 29% in 2019, then slightly declined, 28.3% provisionally for 2023.

Percentage of PCT Filings in Paper



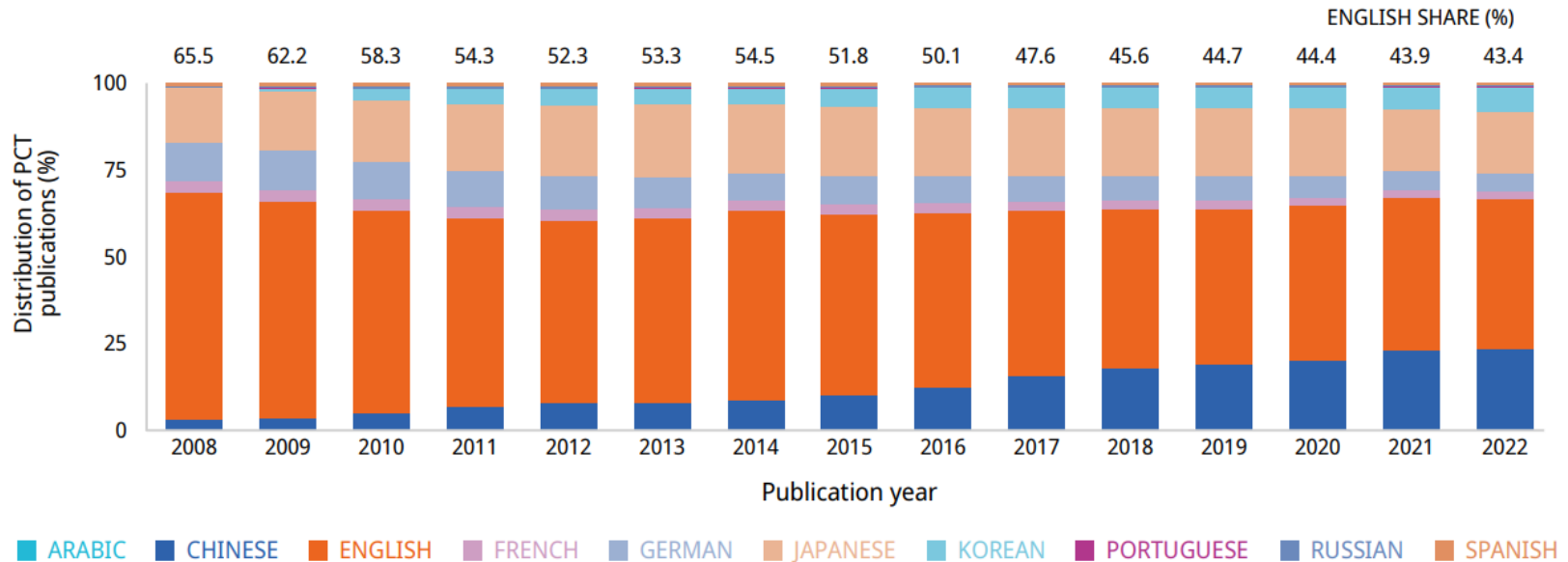
■ Paper filings have been steadily declining.

Number of Applications filed using ePCT



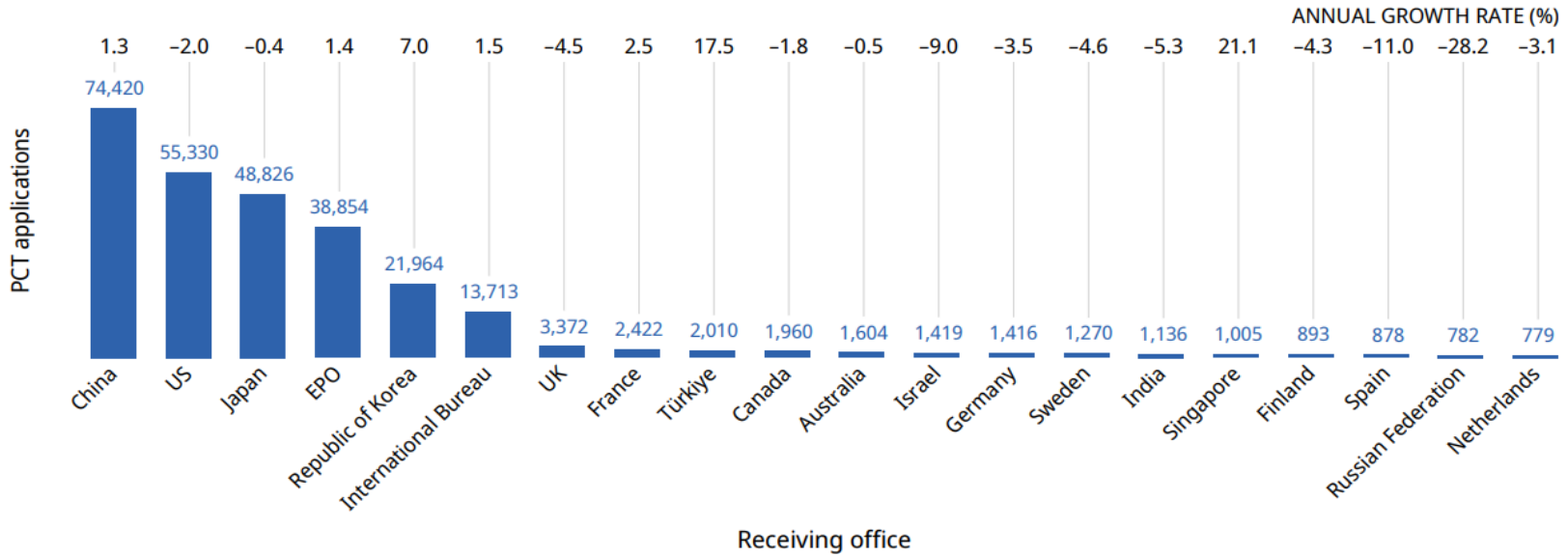
- Nearly 93.5K PCT applications were filed by applicants using ePCT in 2022, 53.5% more than in 2021.
- About a third of all PCT applications filed globally in 2022 were filed using ePCT.

PCT Applications by Publication Language



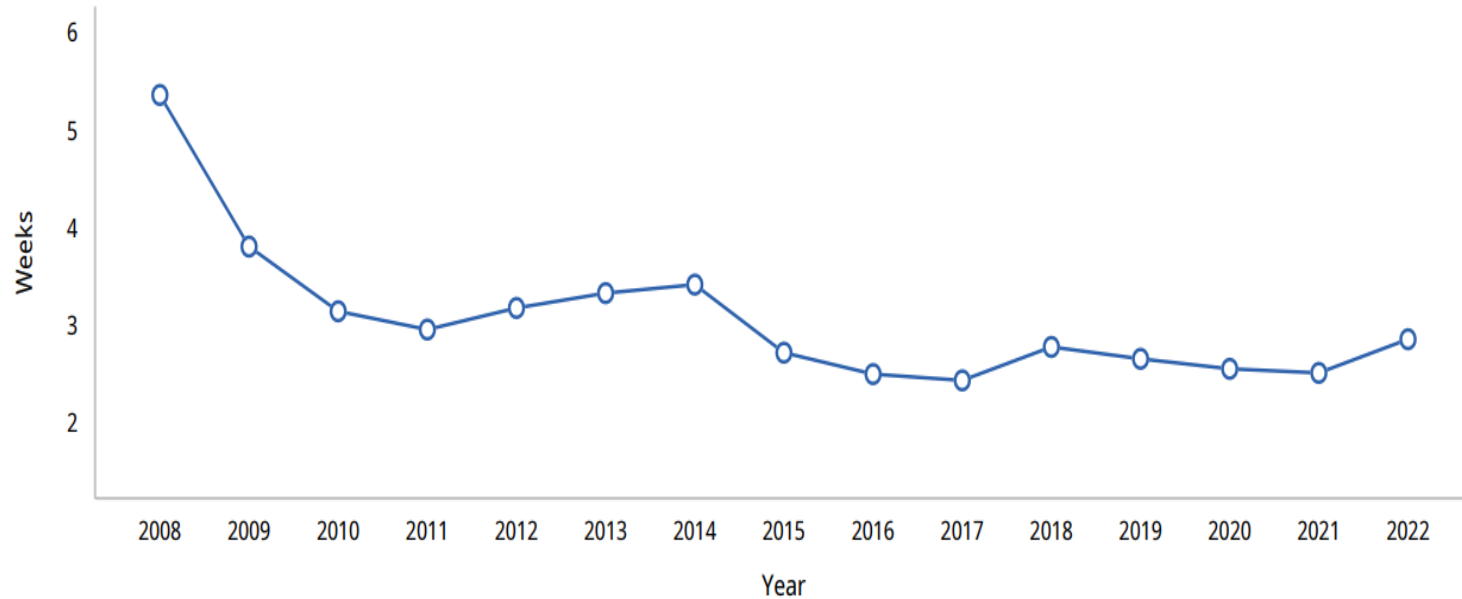
- Share of PCT publications in English declined (42.5% in 2023 provisionally).
- Other percentages (2023 provisionally): 24.3% Chinese, 17.8% Japanese, 7.2% Korean, 5.3% German, 2.0% French, 0.5% Spanish, 0.3% Russian, 0.2% Portuguese, 0.01% Arabic.

PCT Applications for Top 20 Receiving Offices in 2022



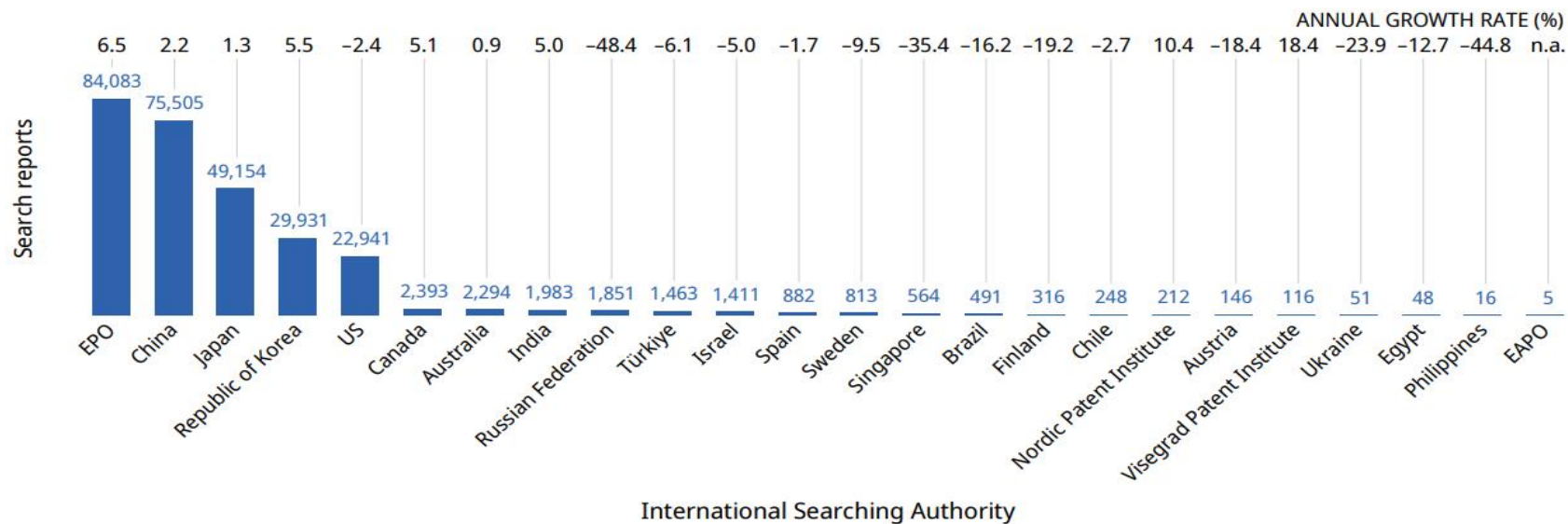
■ China and United States of America received the most PCT applications in 2022.

Receiving Offices: Timeliness of Transmitting PCT Applications to the IB



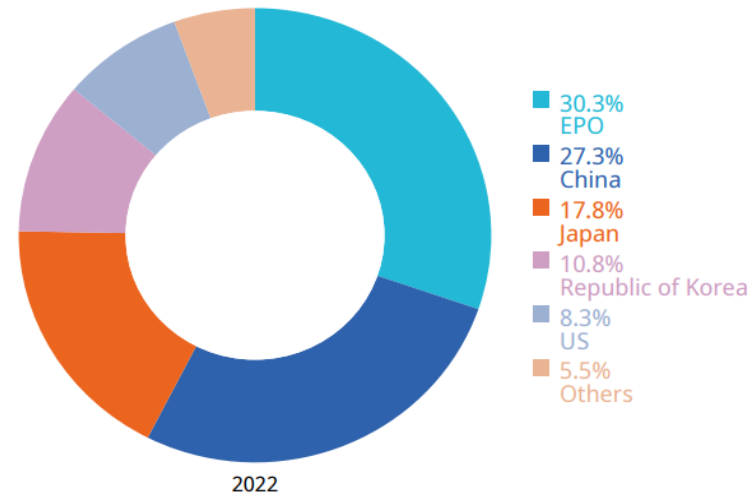
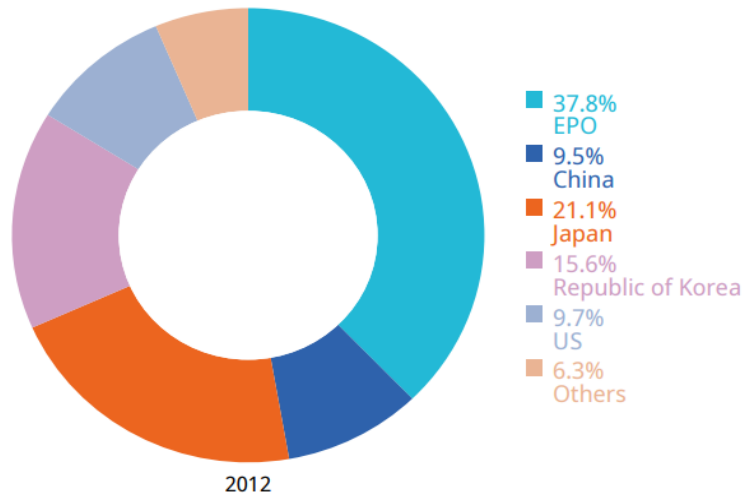
- Average transmission time between international filing date and date the IB received the application increased slightly to 2.9 weeks in 2022 (from 2.5 weeks in 2021).

Search Reports established by International Searching Authority in 2022



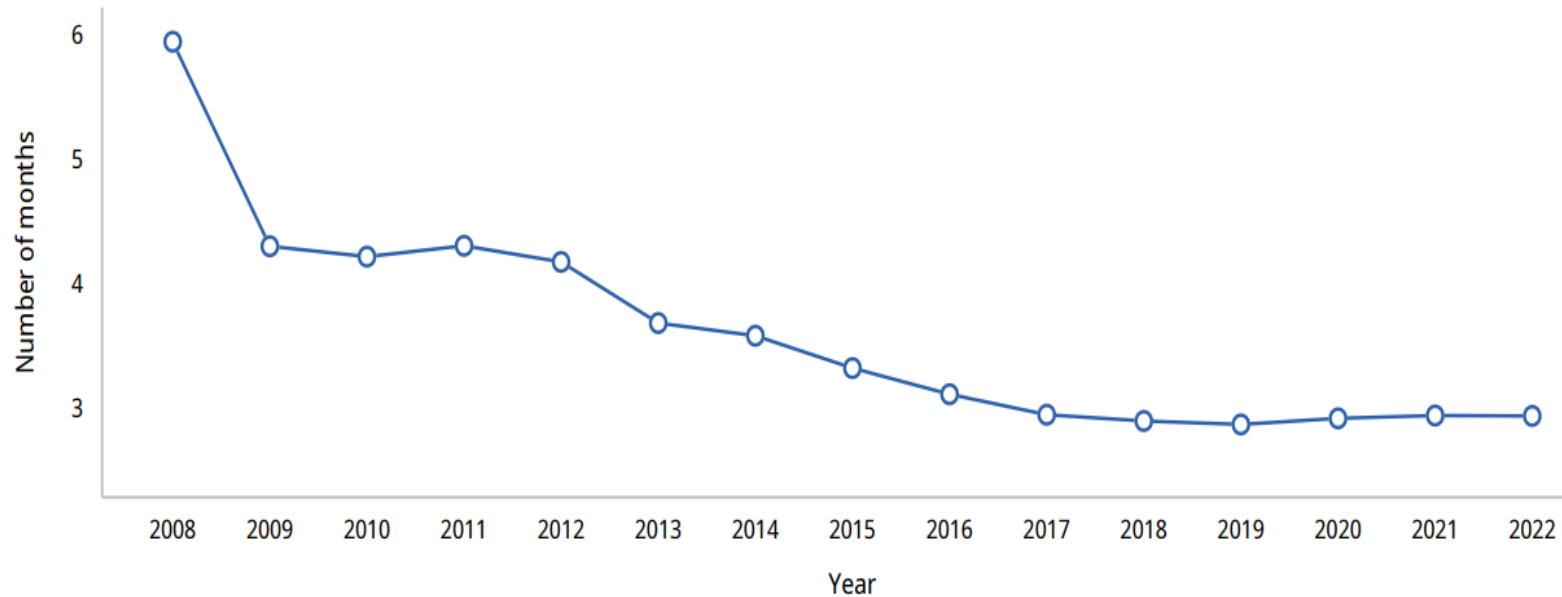
■ China and EPO combined, established the majority of international search reports issued in 2022.

Distribution of International Search Reports by International Searching Authority



■ IP5 Offices established 94.5% of reports in 2022 (93.7% in 2012).

Average Timeliness in transmitting ISRs to the IB from Date of Receipt of Search Copy



Excludes cases where the time limit of 9 months from the priority date applies.

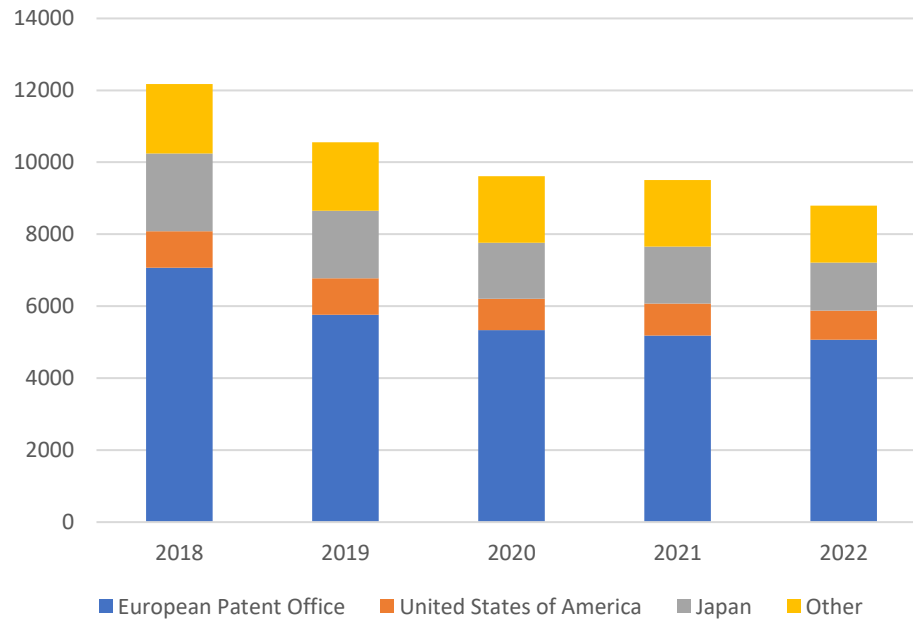
- Since 2008, the average timeliness in transmitting international search reports to IB has improved significantly.

Supplementary International Search Requests

Supplementary International Searching Authority	Year		
	2020	2021	2022
Austria	2	1	
European Patent Office	50	48	48
Nordic Patent Institute	1	1	
Russian Federation	1	3	
Singapore	2		3
Sweden	1	1	1
Türkiye	1		
Ukraine	1		1
Visegrad Patent Institute	1		
Total	60	54	53

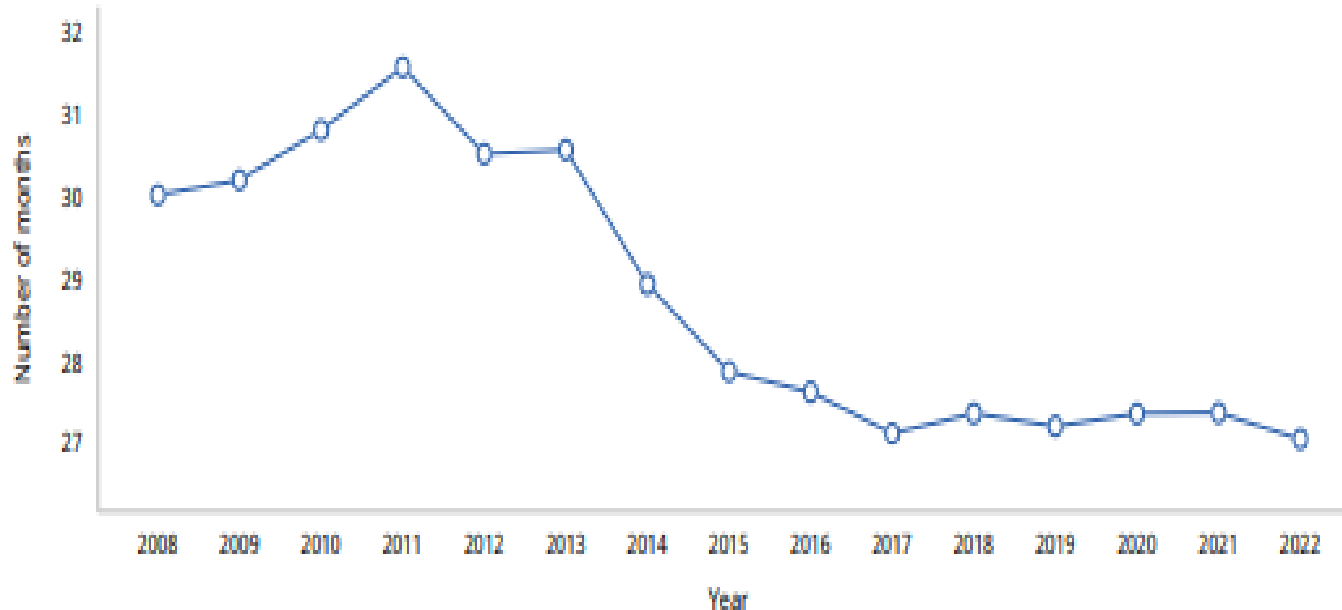
- The EPO accounted for 90.6% of requests for supplementary international search in 2022.
- Provisionally for 2023: EPO – 28 requests, Austria - 3 requests and Sweden – 1 request).

IPRPs (Chapter II) by International Preliminary Examination Authority



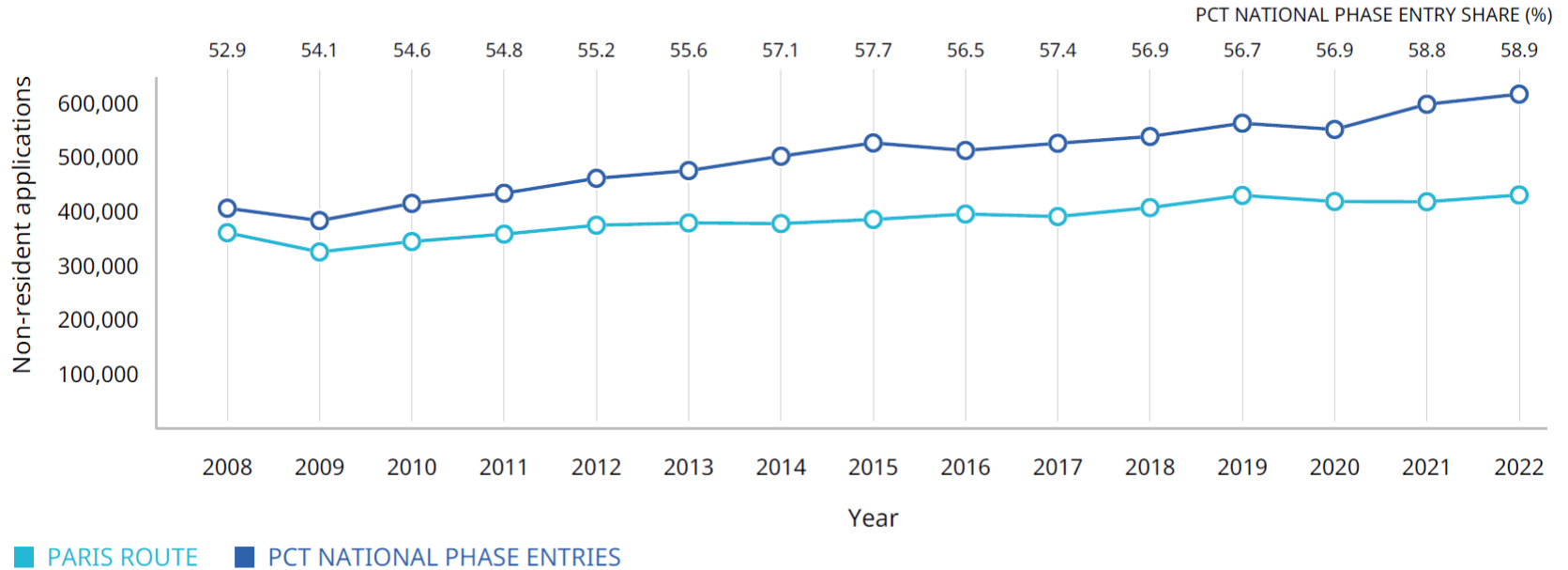
- Reports established by IPEA fell by 7.5% in 2022 to 8,791.
- 82% of IPRPs (Chapter II) were produced by the EPO, the JPO or the USPTO.

Average Timeliness in Transmitting IPRPs



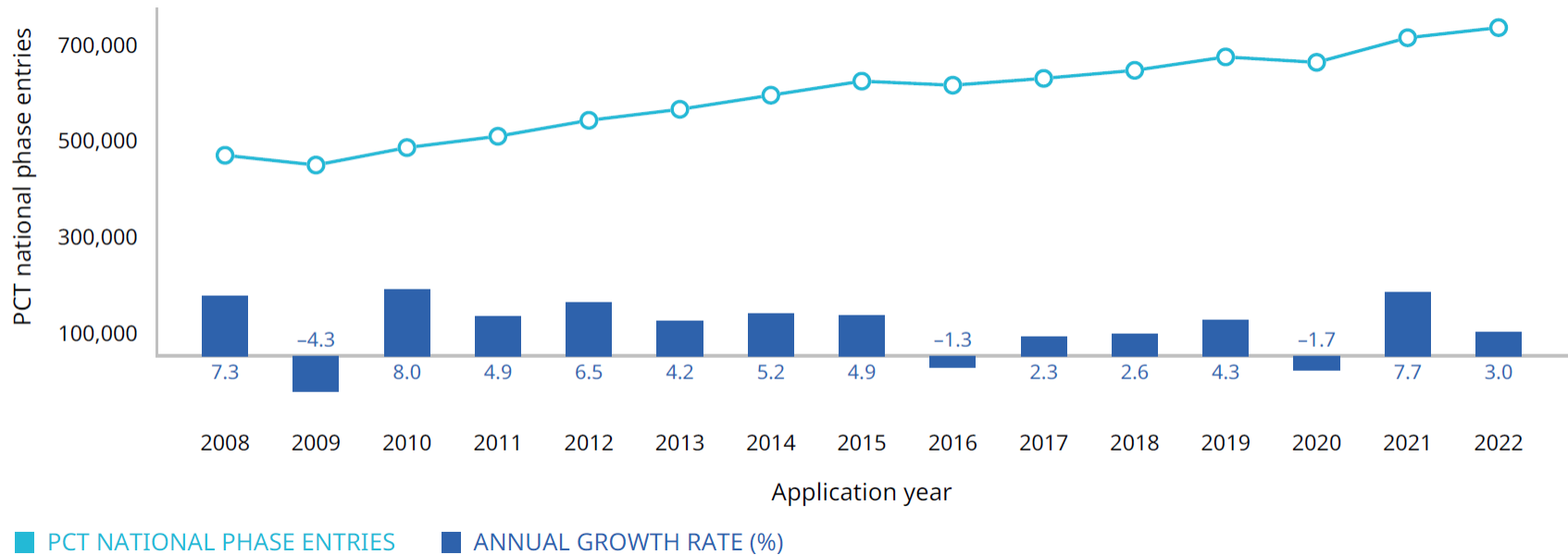
- Average time in transmitting IPRPs decreased to 27.1 months from priority date in 2022.
- 80% of all IPRPs from 18 offices were transmitted to the IB within 28 months of the priority date.

Non-Resident Applications by Filing Route



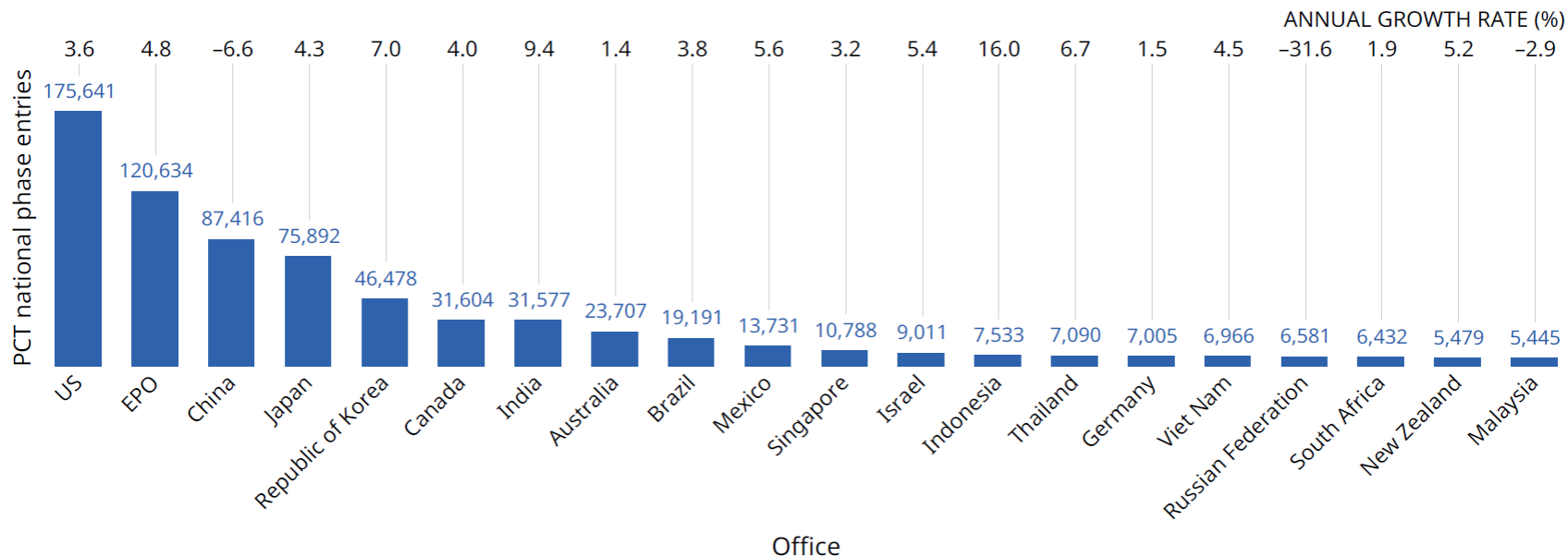
- PCT national phase entries accounted for nearly 59% of all non-resident patent applications filed worldwide in 2022 (provisional).

Trend in PCT national phase entries, 2008–2022



■ In 2021, PCT national phase entries grew by 7.7%, the most since 2010. In 2022, national phase entries growth rate provisionally estimated at 3%.

PCT- National Phase Entries for the top 20 offices



Note: This table shows data for the 20 offices to receive the most PCT national phase entries. NPE data may not be available at some offices.

- Most of the top 20 Offices saw provisional growth in the PCT national phase entries in 2022.