

China Again Top Originator of International Patent Cooperation Treaty Applications in 2022; China's Huawei Top Filer in 2022

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Per data released by the [World Intellectual Property Organization](#) on February 28, 2023, China remained the top originator of [International Patent Cooperation Treaty](#) (PCT) applications in 2022. [China has been the top originator of PCT applications since 2019](#). China's [Huawei Technologies Co., Ltd.](#) was the top filer of PCT applications in 2022. The PCT is an international treaty with more than 155 Contracting States that enables applicants to file a single PCT application designating a large number of countries. However, national or regional patent offices still have the authority to examine and grant patents in their jurisdictions.

In 2022, China continued to be the top origin of PCT applications filed with 70,015 (up 0.6% from the previous year). The US came in second with 59,056 applications, (down 0.6% on 2021). Japan followed with 50,345 applications (+0.1%). The Republic of Korea and Germany rounded out the top five, with 22,012 applications and 17,530 applications respectively, growing 6.2% and 1.5% respectively. India saw a 25.4% growth in filings, albeit from a low base of 2,087 applications in 2021 to 2,618 in 2022.

Origin	2021	2022 Estimate
Total	277,182	278,100
China	69,604	70,015
US	59,403	59,056
Japan	50,275	50,345
Republic of Korea	20,723	22,012
Germany	17,266	17,530
France	7,334	7,764
UK	5,841	5,739
Switzerland	5,461	5,367
Sweden	4,441	4,471
Netherlands	4,119	4,092

Top 10 originators of PCT applications in 2022

Three of the top 10 filers were Chinese including Huawei, Guangdong [OPPO Mobile Telecommunications Corp., Ltd.](#) and [BOE Technology Group Co., Ltd.](#) China's Huawei remained the top filer with 7,689 published PCT applications in 2022. Samsung Electronics of the Republic of Korea came in second (4,387 applications), followed by Qualcomm of the US (3,855), Mitsubishi Electric of Japan (2,320) and Ericsson of Sweden (2,158). Oppo remained in sixth place with 1,963 PCT applications, a small drop from 2021. BOE tied with NTT in seventh place with 1884 PCT applications, a small drop from 2021.

2022 overall position in PCT ranking	Position changed in overall PCT ranking	Applicant's Name	Origin	2021	2022
1	0	HUAWEI TECHNOLOGIES CO., LTD.	China	6,952	7,689
2	1	SAMSUNG ELECTRONICS CO., LTD.	Republic of Korea	3,041	4,387
3	-1	QUALCOMM INCORPORATED	US	3,931	3,855
4	1	MITSUBISHI ELECTRIC CORPORATION	Japan	2,673	2,320
5	3	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	Sweden	1,877	2,158
6	0	GUANG DONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD	China	2,208	1,963
7	5	NIPPON TELEGRAPH AND TELEPHONE CORPORATION	Japan	1,508	1,884
7	0	BOE TECHNOLOGY GROUP CO.,LTD	China	1,980	1,884
9	-5	LG ELECTRONICS INC.	Republic of Korea	2,885	1,793
10	0	PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.	Japan	1,741	1,776

Top 10 filers of PCT applications in 2022

Similarly, three of the top 10 university filers were Chinese: Zhejiang University at second place, Suzhou University in third place and Tsinghua University in sixth place. University of California was first place in 2022.

2022 overall position in PCT ranking	Position changed in overall PCT ranking	Applicant's Name	Origin	2021	2022
41	-2	UNIVERSITY OF CALIFORNIA	US	551	552
71	1	ZHEJIANG UNIVERSITY	China	306	309
73	112	SUZHOU UNIVERSITY	China	153	303
124	8	LELAND STANFORD JUNIOR UNIVERSITY	US	194	217
143	6	BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM	US	177	187
161	-36	TSINGHUA UNIVERSITY	China	201	174
176	-73	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	US	227	161
177	47	JOHNS HOPKINS UNIVERSITY	US	129	160
177	90	SEOUL NATIONAL UNIVERSITY	Republic of Korea	110	160
190	52	HANYANG UNIVERSITY	Republic of Korea	121	149

Top 10 university filers of PCT applications in 2022

The data from WIPO is available here: [pr-2023-899-annexes](#)

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