

# TREND REPORT

## Asian Top 100 Patent Filers



DECEMBER 2024

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# Introduction

This report searches and analyzes the most innovative and representative invention patents and obtains the top 100 patent filers with the largest number of active patent families in Asia (Data as of December 10, 2024).

# Part 1: Search Results and Ranking

This report makes statistical analysis on the active invention patents in Asia. After obtaining the search results, the patent documents were merged into the active families (including minor variations and extensions on the original invention, as defined by the European Patent Office), and finally 1,370,691 active families were obtained. The Asian top 100 patent filers were counted, and the results are shown in the table below.

## The Asian Top 100 Patent Filers

Rank	Standardized Current Assignee	Active Families
1	SAMSUNG ELECTRONICS CO LTD	54,749
2	STATE GRID CORP OF CHINA	46,000
3	HUAWEI TECH CO LTD	38,959
4	CHINA PETROLEUM & CHEM CORP	38,283
5	CANON KK	35,278
6	MITSUBISHI ELECTRIC CORP	33,924
7	TOYOTA JIDOSHA KK	31,739
8	TENCENT TECH (SHENZHEN) CO LTD	27,164
9	BOE TECHNOLOGY GROUP CO LTD	24,336
10	LG ELECTRONICS INC	23,425
11	HYUNDAI MOTOR CO LTD	22,429
12	DENSO CORP	22,331
13	TSINGHUA UNIV	22,250
14	ZHEJIANG UNIV	21,712
15	GREE ELECTRIC APPLIANCE INC OF ZHUHAI	21,707

# The Asian Top 100 Patent Filers

Rank	Standardized Current Assignee	Active Families
16	PANASONIC INTPROP MANAGEMENT CO LTD	21,304
17	SAMSUNG DISPLAY CO LTD	21,165
18	LG DISPLAY CO LTD	20,477
19	HONDA MOTOR CO LTD	19,344
20	GUANGDONG OPPO MOBILE TELECOMM CORP LTD	17,134
21	SEIKO EPSON CORP	17,009
22	NEC CORP	16,757
23	KK TOSHIBA	16,606
24	FUJIFILM CORP	15,761
25	ZTE CORP	15,218
26	SOUTHEAST UNIV	15,149
27	RICOH KK	14,787
28	NIPPON TELEGRAPH & TELEPHONE CORP	14,762
29	BROTHER KOGYO KK	14,214
30	HARBIN INST OF TECH	14,133
31	NIPPON STEEL CORP	14,012
32	TAIWAN SEMICON MFG CO LTD	13,988
33	HUAZHONG UNIV OF SCI & TECH	13,495
34	SOUTH CHINA UNIV OF TECH	13,438
35	SHARP KK	13,300
36	PETROCHINA CO LTD	13,170
37	XI AN JIAOTONG UNIV	13,035
38	LG CHEM LTD	12,482
39	KIA CORP	12,456
40	BEIHANG UNIV	12,117
41	VIVO MOBILE COMM CO LTD	12,110
42	SANKYO CO LTD	12,032
43	HAIER SMART HOME CO LTD	11,818
44	SONY GRP CORP	11,601
45	MIDEA GRP CO LTD	11,570
46	KONICA MINOLTA INC	11,537
47	CHINA MOBILE COMM GRP CO LTD	11,537
48	SHANDONG UNIV	11,508
49	CENT SOUTH UNIV	11,452
50	SHANGHAI JIAOTONG UNIV	11,238

## The Asian Top 100 Patent Filers

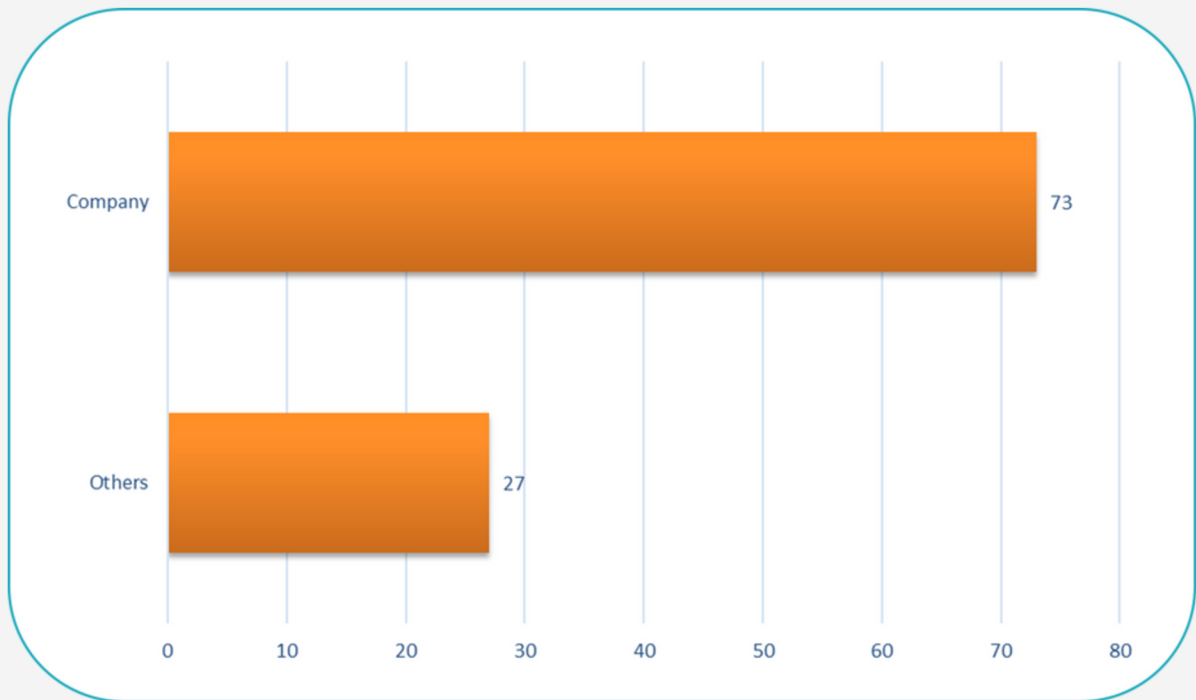
Rank	Standardized Current Assignee	Active Families
51	DAI NIPPON PRINTING CO LTD	11,184
52	FUJITSU LTD	11,107
53	LENOVO (BEIJING) LTD	10,955
54	XIDIAN UNIV	10,863
55	JFE STEEL CORP	10,857
56	MURATA MFG CO LTD	10,847
57	FUJIFILM BUSINESS INNOVATION CORP	10,444
58	UNIV OF ELECTRONICS SCI & TECH OF CHINA	10,347
59	ZHEJIANG UNIV OF TECH	10,263
60	NANJING UNIV OF AERONAUTICS & ASTRONAUTICS	10,154
61	TIANJIN UNIV	10,145
62	POHANG IRON & STEEL CO LTD	10,076
63	NISSAN MOTOR CO LTD	9,971
64	HITACHI LTD	9,942
65	BEIJING INST OF TECH	9,924
66	LG ENERGY SOLUTION LTD	9,752
67	BEIJING BAIDU NETCOM SCI & TECH CO LTD	9,342
68	PANASONIC CORP	9,228
69	NAT UNIV OF DEFENSE TECH	9,121
70	JILIN UNIVERSITY	8,979
71	DALIAN UNIV OF TECH	8,938
72	SK HYNIX INC	8,744
73	JIANGNAN UNIV	8,705
74	KYOCERA CORP	8,668
75	KAO CORP	8,620
76	SEMICON MFG INT (SHANGHAI) CORP	8,332
77	SICHUAN UNIV	8,282
78	BEIJING XIAOMI MOBILE SOFTWARE CO LTD	8,176
79	INSPUR SUZHOU INTELLIGENT TECH CO LTD	8,011
80	ALIBABA GRP HLDG LTD	7,928
81	CHINA NAT PETROLEUM CORP	7,905
82	IND TECH RES INST	7,889
83	NORTHWESTERN POLYTECHNICAL UNIV	7,813
84	CHINA ELECTRIC POWER RESEARCH INSTITUTE CO LTD	7,733

## The Asian Top 100 Patent Filers

Rank	Standardized Current Assignee	Active Families
85	SEOUL NAT UNIV R&DB FOUND	7,651
86	SUMITOMO ELECTRIC IND LTD	7,648
87	PING AN TECH (SHENZHEN) CO LTD	7,603
88	BYD CO LTD	7,510
89	DATANG MOBILE COMM EQUIP CO LTD	7,458
90	CHINA UNITED NETWORK COMM GRP CO LTD	7,445
91	AU OPTRONICS CORP	7,393
92	WUHAN UNIV	7,366
93	TOKYO ELECTRON LTD	7,343
94	BEIJING UNIV OF TECH	7,297
95	HEFEI UNIV OF TECH	7,269
96	YAZAKI CORP	7,238
97	CHONGQING UNIV	7,221
98	DAIICHI SHOKAI KK	7,199
99	HITACHI ASTEMO LTD	7,165
100	RES INST OF PETROLEUM PROCESSING SINOPEC	7,129

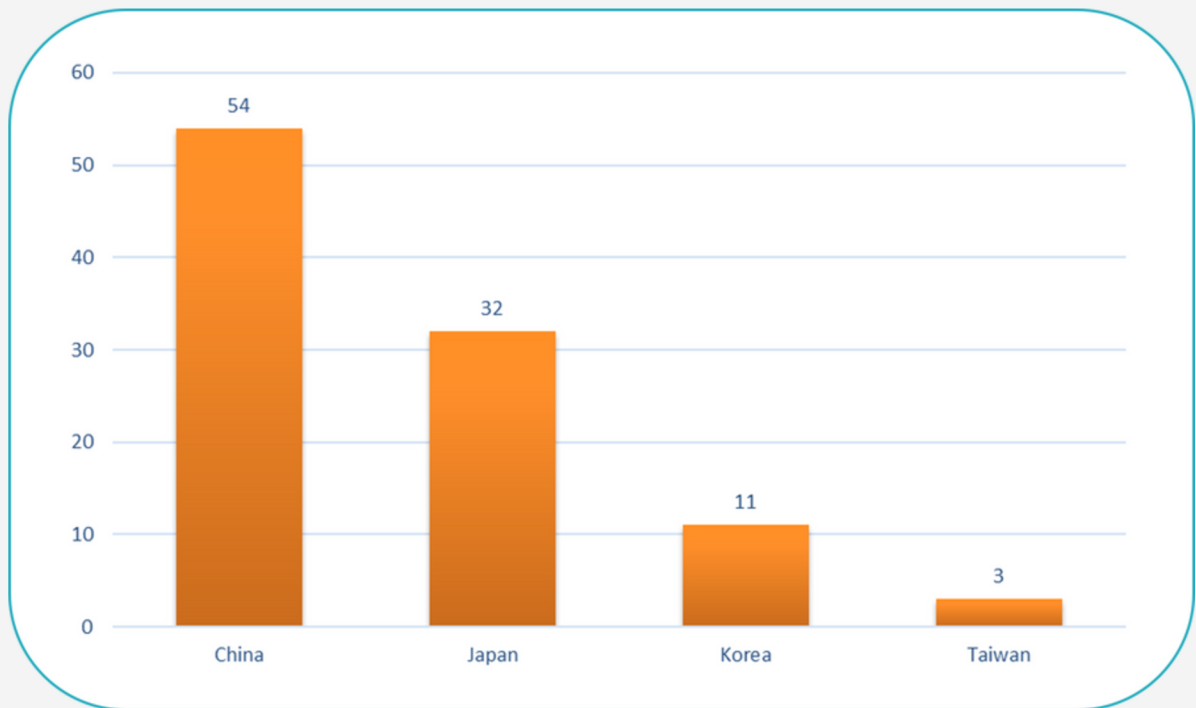
## Part 2: Category and Geographic Territories

Among the Asian top 100 patent filers, 73 are companies and 27 are universities or public institutions (as shown in [Figure 1](#)).



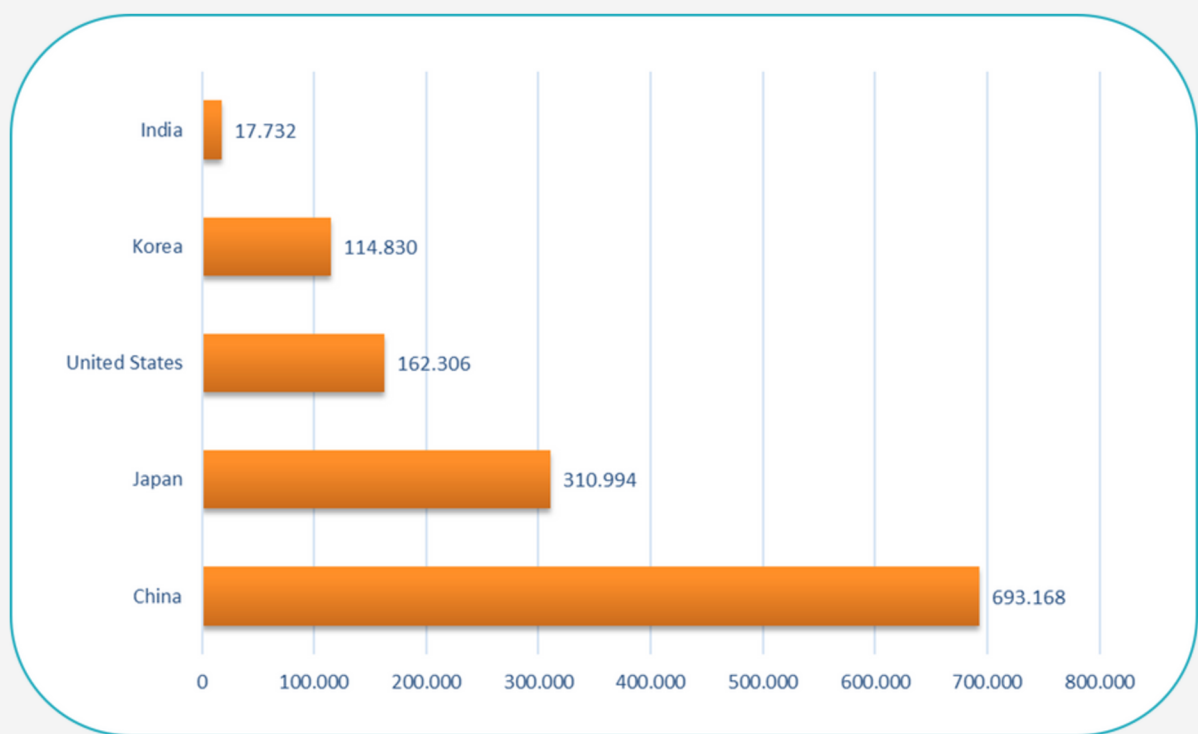
**Figure 1 Category**

Analyzing these patent filers, there are 54 from China, 32 from Japan, 11 from Korea, and 3 from Taiwan (as shown in [Figure 2](#)).



**Figure 2 Geographic territories**

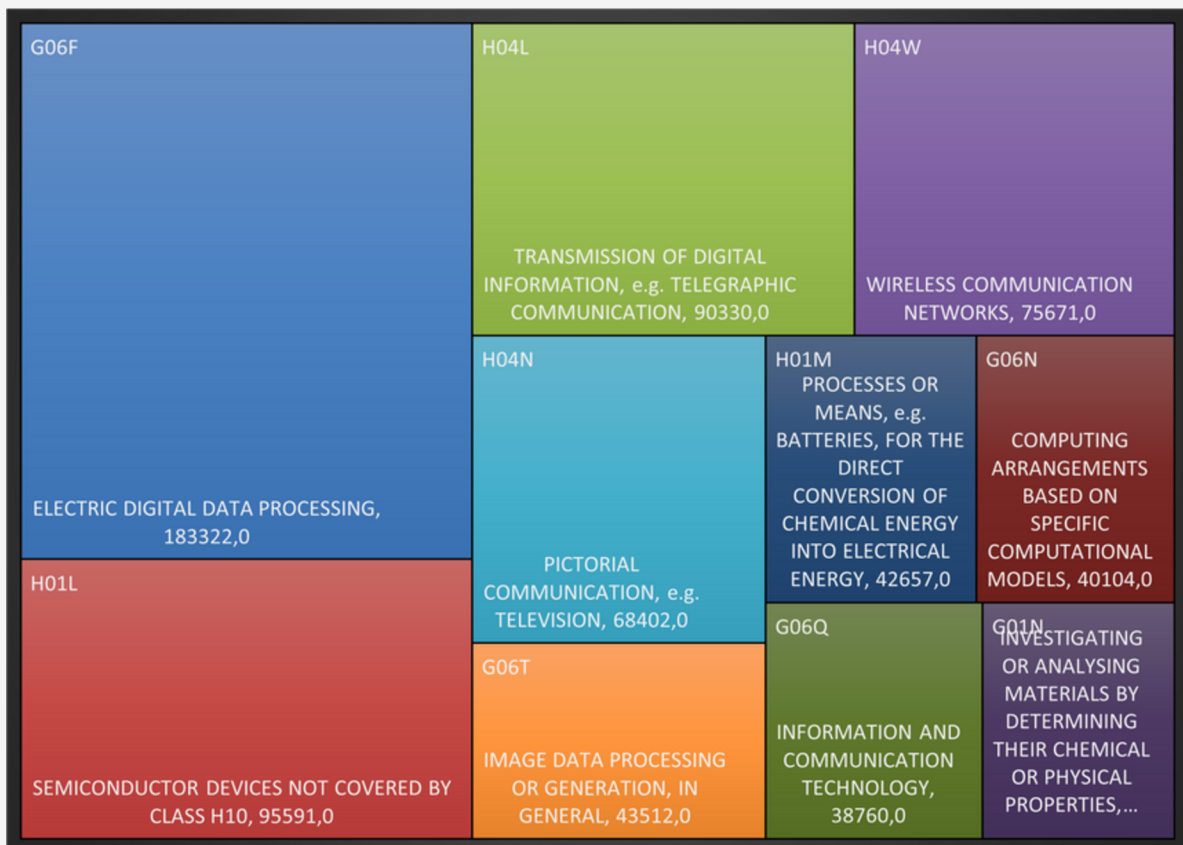
From the perspective of target markets, the top 100 patent filers in Asia mainly apply for patents in China, Japan, the United States, Korea, and India (as shown in [Figure 3](#)).



**Figure 3 Target markets**

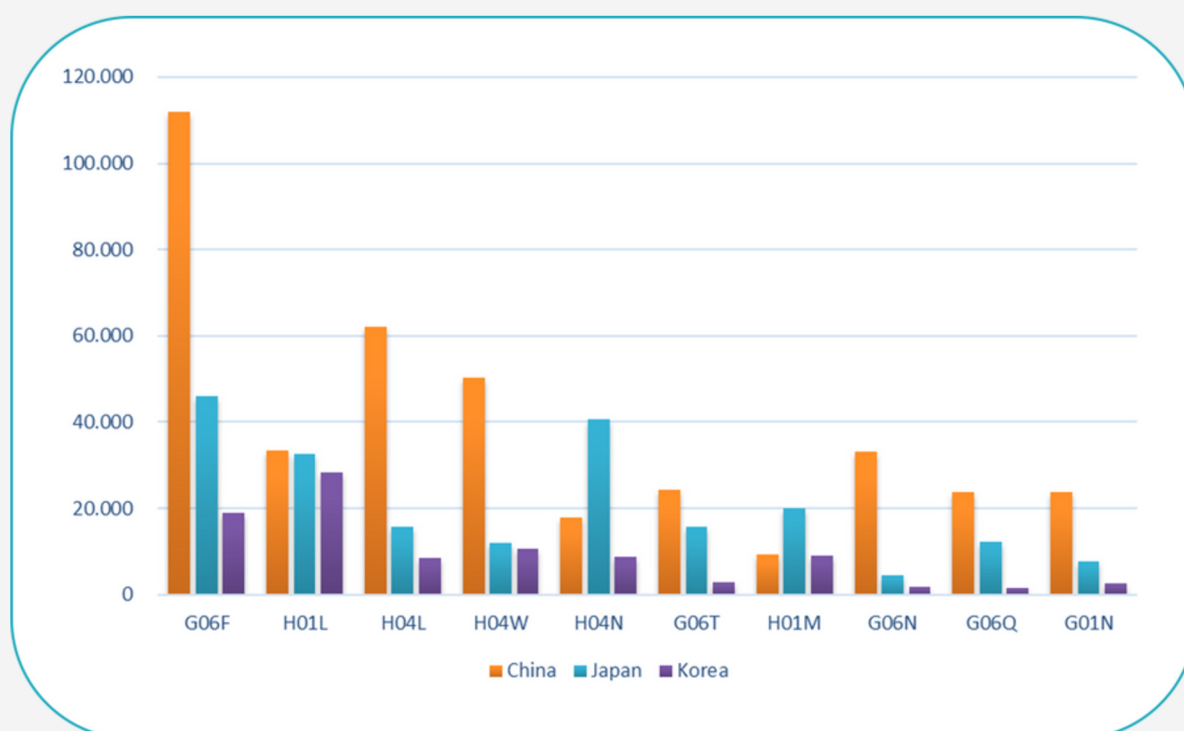
# Part 3: Key Technologies

Analyzing the main technical fields of the patents applied for by the Asian top 100 patent filers, IPC classification number related to electronic digital data processing involves the most patents (as shown in [Figure 4](#)).



**Figure 4** The top 10 IPC classification numbers

Further analysis shows that patent filers from different countries have different focuses. Chinese patent filers have a significant advantage in the number of patents in fields such as G06F, H04L, H04W, and G06N, while Japanese patent filers have an advantage in fields such as H04N and H01M (as shown in [Figure 5](#)).



**Figure 5** The top 10 IPC of main countries

# Conclusion

Asian top 100 patent filers are mainly from China, Japan, and Korea, with their patent layout mainly concentrated in the Asian region and the United States.

Note: All numbers used and statements made in this report are indicative and for information purposes only. No warranty or liability is given nor accepted for anything published in this report.

Tupolevlaan 81, 1119 PA Schiphol-Rijk  
The Netherlands  
Telephone +31 85 800 0024  
[info@lighthouseip.com](mailto:info@lighthouseip.com)

[lighthouseip.com](https://lighthouseip.com)

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