

BIWEEKLY REPORT

2022 Patent development China



JANUARY 2023

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Introduction

In recent years, China's intellectual property work has maintained a high-quality development trend. According to World Intellectual Property Indicators – 2022 released by WIPO, by the end of 2022, the effective number of Chinese invention patents was 4.212 million, ranking first in the world. This report will reveal the specific situation of China's patent development in the past year.

Part 1: General information

In 2022, the number of patents published in China was 5,911,695, which was the first decline in recent years, as shown in [Figure 1](#).

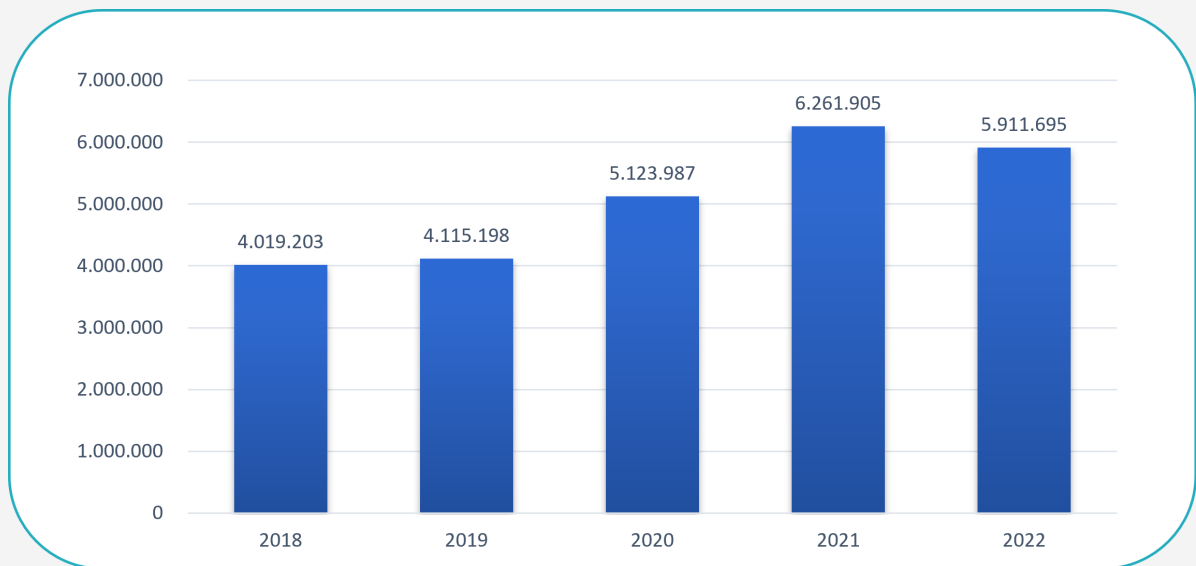


Figure 1 Patent publication trend in China

The volume of invention patents is 2,386,453, accounting for 40.37%, as shown in [Figure 2](#). Among them, 798,407 patents have been granted, and the volume of patents granted has maintained a steady growth trend, as shown in [Figure 3](#).

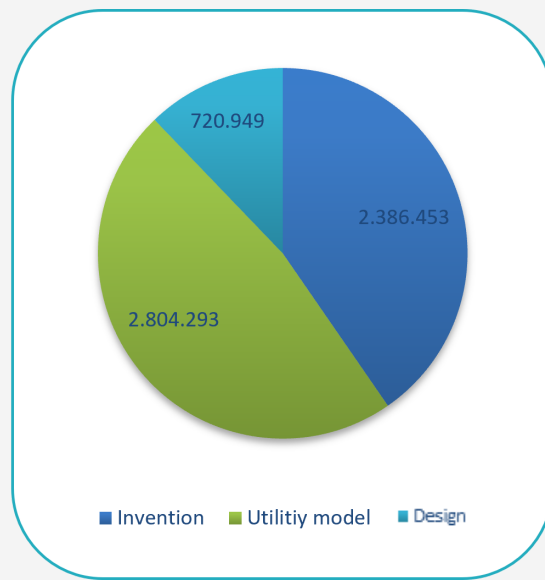


Figure 2 Types of patents published by China in 2022

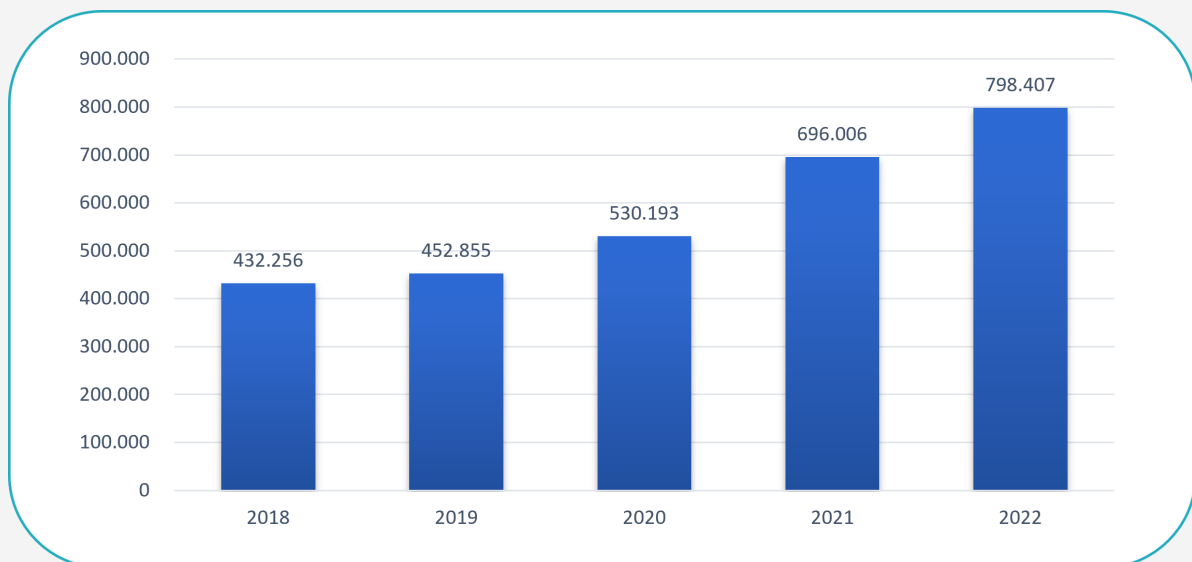


Figure 3 Patent granted trend in China

Part 2: Geographic Territories

From the national level, in 2022, China's patent disclosure will still mainly come from China. Among other countries, Japan has applied for 83,949 patents in China, ranking first, followed by the United States, with 73,218 patents, as shown in [Figure 4](#).

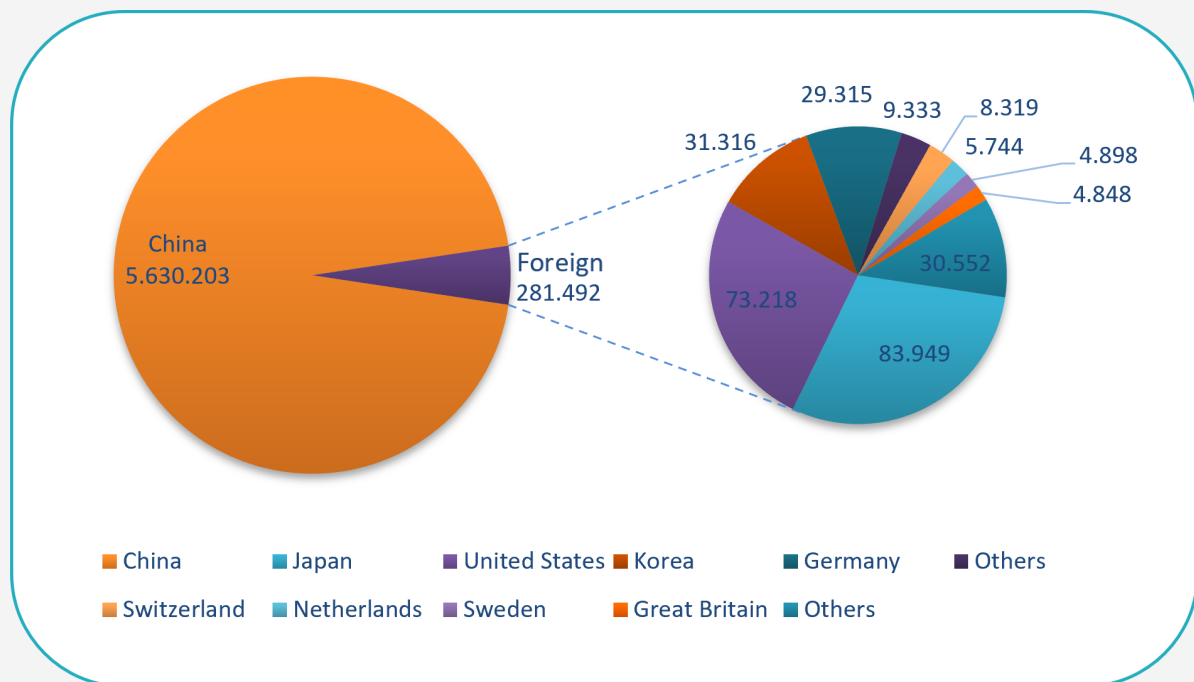


Figure 4 Top countries of origin

Compared with 2021, the volume of patents applied by foreign countries has generally declined to a certain extent except Switzerland, as shown in [Figure 5](#).



Figure 5 Top 10 foreign countries patent applications from 2021-2022

From China's domestic perspective, the province with the largest volume of patents in 2022 is Guangdong, followed by Zhejiang and Shandong. At the same time, compared with 2021, the volume of patents in most provinces or municipalities has declined, as shown in [Figure 6](#).

It is noteworthy that the volume of patents in Henan Province and Beijing keep growing in 2022, and Henan Province ranking rise from 10th to 9th.

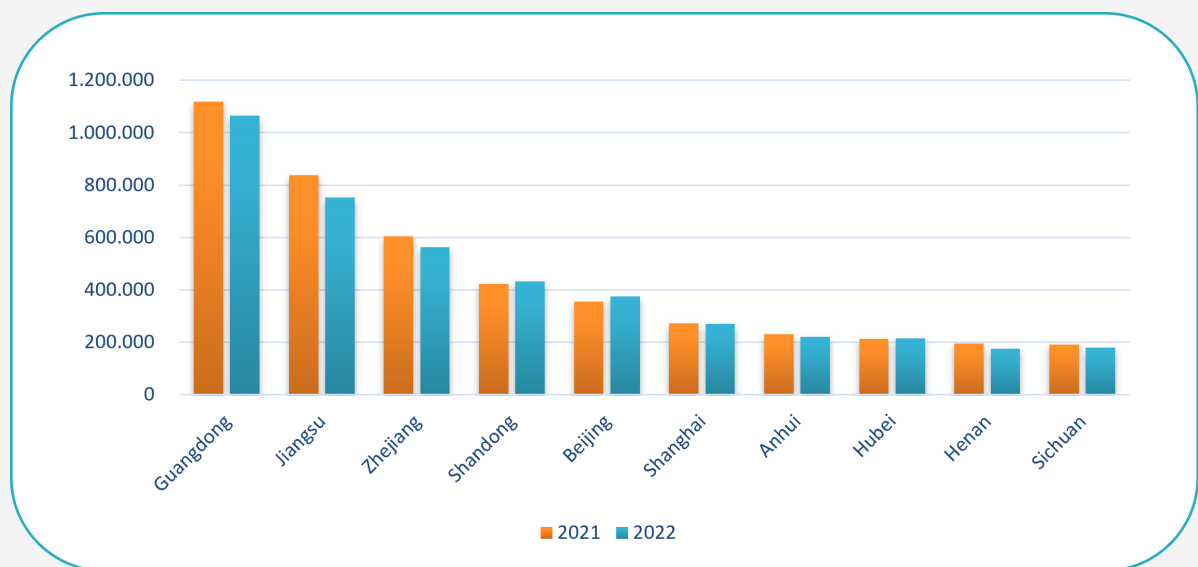


Figure 6 Top 10 provinces or municipalities patent applications from 2021-2022

Part 3: Key Technologies

In general, there is a large gap between the patents published in China in 2022 in different IPC technology fields. Among them, Section B has the largest volume of patents, while Section D has the smallest volume of patents. The gap between the two is more than 22 times, as shown in [Figure 7](#).

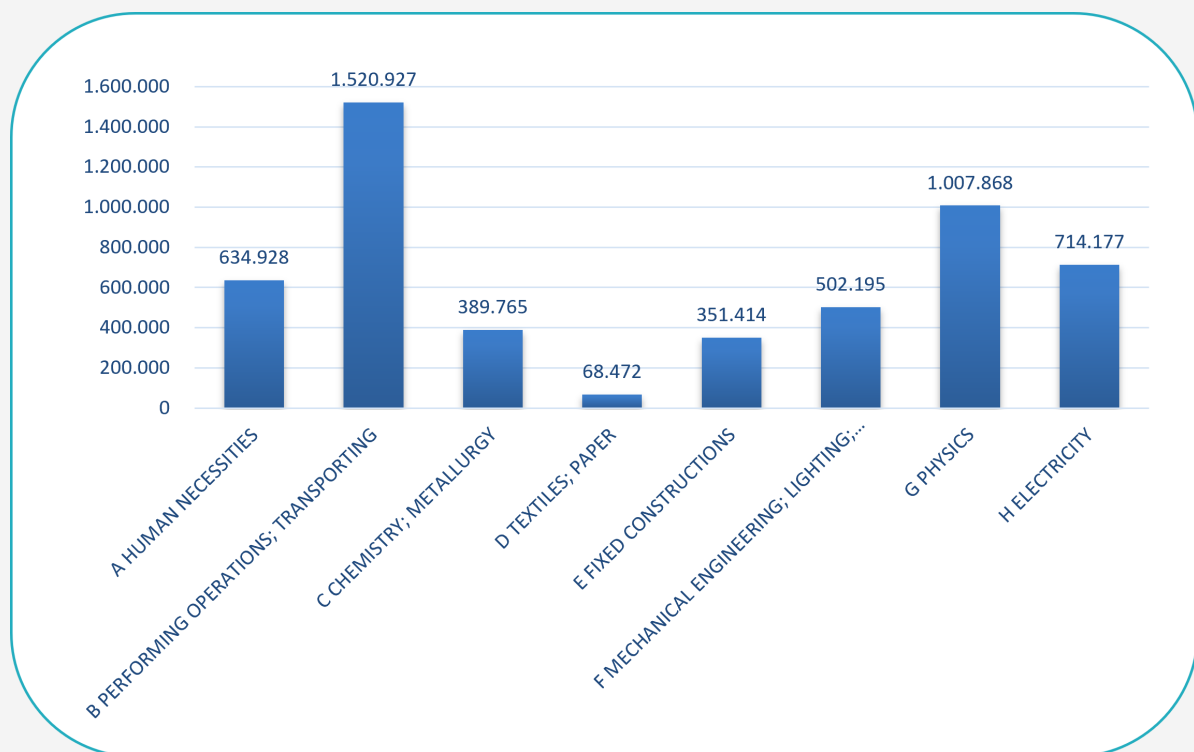


Figure 7 Patent publications in different IPC Sections

From a more detailed view of the IPC technology field, the volume of patents involved in electronic digital data processing is the largest, reaching 210,762. At the same time, most of the IPC classification numbers corresponding to the top ten technical fields come from Section G and Section B, as shown in [Figure 8](#).

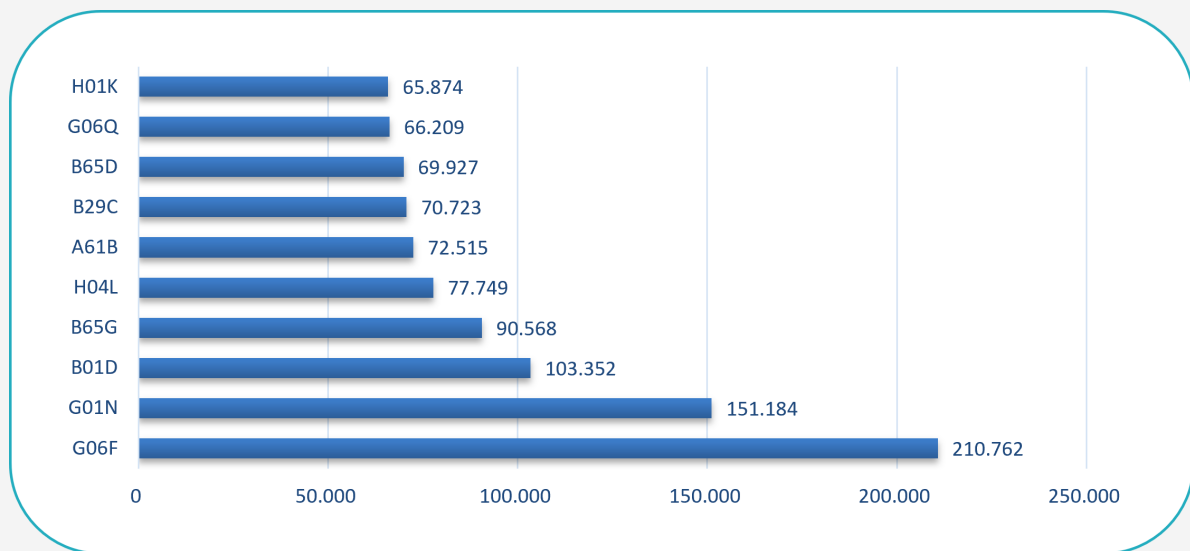


Figure 8 Patent publications in different IPC Sections

Part 4: Standardized Current Assignees

In terms of major applicants, the volume of patents applied by State Grid in 2022 ranked first, followed by Huawei and Haier, as shown in [Figure 9](#). At the same time, after comparing the relevant data in 2021, it was found that the volume of patents applied by Haier in 2022 increased by 48.35% year on year, which was the largest increase among major applicants.

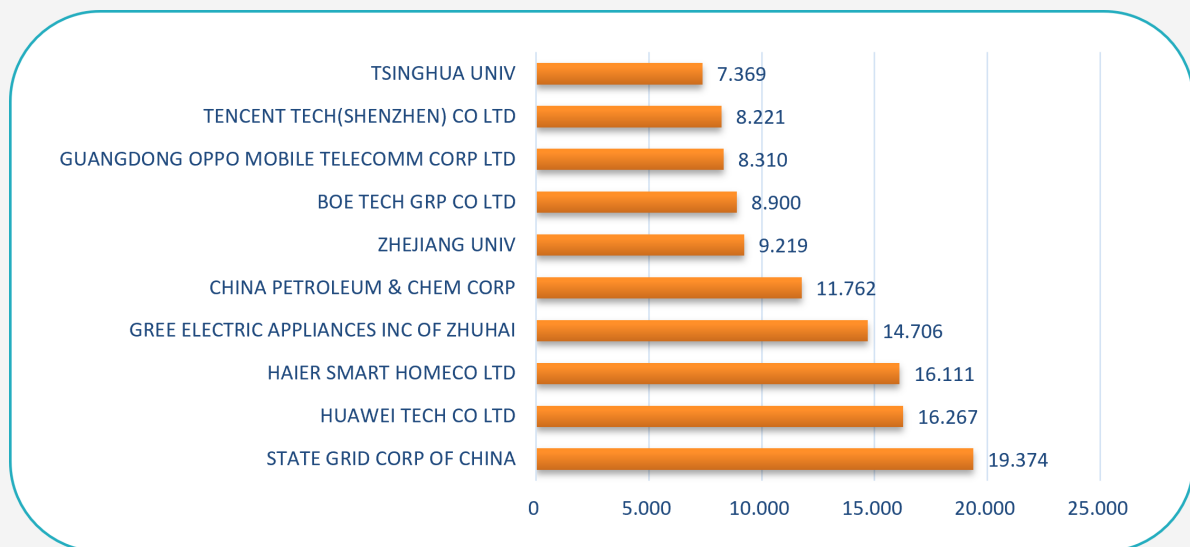


Figure 9 The top 10 standardized current assignees

Conclusion

In 2022, the volume of patents published in China decreased, which is the first time in recent years. The volume of patent applications from most local provinces and most foreign countries has declined. However, this does not mean that China's intellectual property industry has begun to decline. This is because the volume of invention patents granted by China in 2022 still keeps growing. This may mean that China will begin to pay more attention to the value of patents rather than simply pursue the quantity.

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.

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