



GLOBAL DEVELOPMENTS

US FILERS ABROAD

JULY 2022

INTRODUCTION

The United States is one of the countries that established the patent system earlier in the world. The early patent system has appeared as early as the middle of the 17th century. At the end of the 18th century, after the founding of the United States in the war of independence, the United States faced an extremely backward development situation compared with other European countries in economy. In order to promote the development of science and technology and practical skills, the patent system was established in accordance with the Constitution when its society was still in an agricultural society.

After more than 200 years of development, the US patent system has been modified and supplemented for many times, forming the most complete patent system in the world. It has been at the forefront of the development of patent systems all over the world and has become the object of imitation and reference for other countries.

At present, the number of patent family applications for technology from the United States has reached more than 20 million, of which more than 50% are applications for other countries in the world, as shown in **Figure 1**, which shows that the United States attaches great importance to the patent distribution in other countries. Therefore, this report analyzes the patent applications of the United States in other countries in recent 20 years.

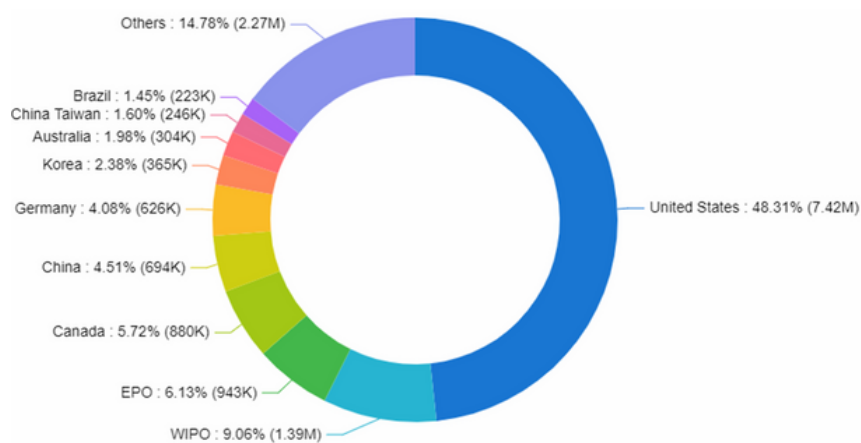


Figure 1 US patent layout in the world

GENERAL INFORMATION

In the past 20 years, the number of patent applications of the United States in other countries around the world has increased year by year, of which 219,046 were filed in 2021, nearly 20 times that of 2000. This shows that the United States is paying more and more attention to foreign markets and has distributed more patents to improve its foreign competitiveness.

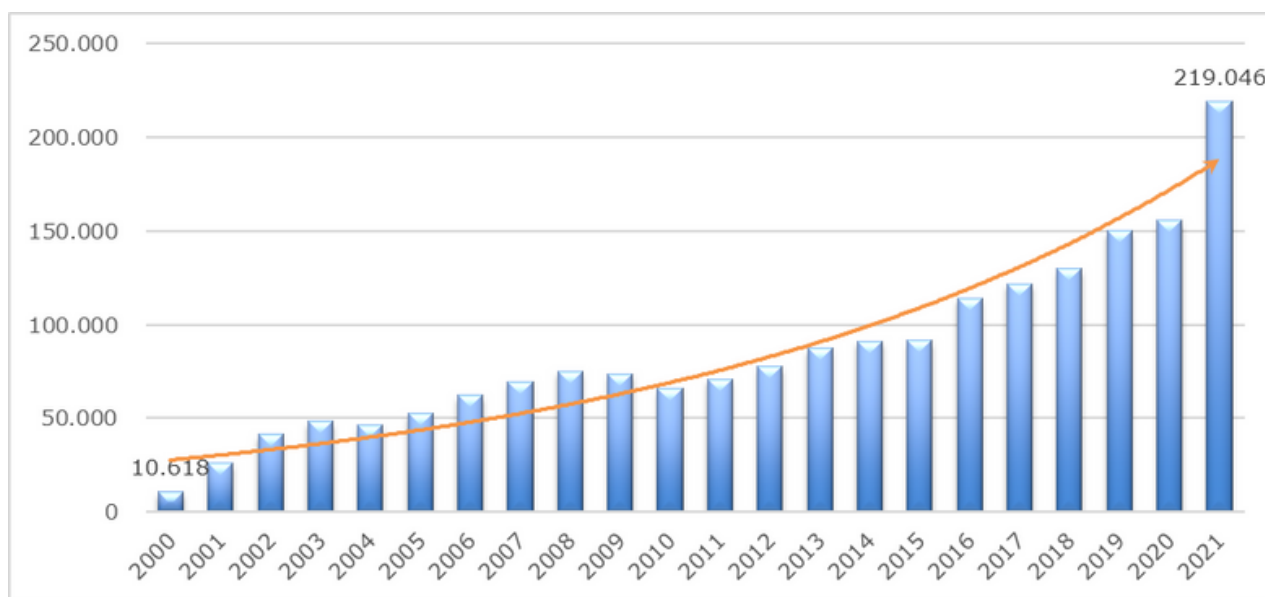


Figure 2 Patent application trend of the United States in other countries

GENERAL INFORMATION

Figure 3 and **Figure 4** show the patent types and legal status of US patent applications abroad, respectively. It can be seen that the vast majority of US patents abroad are invention patents, and 584,925 patents are in force. This reflects that the overall quality of US patent applications abroad is relatively high.

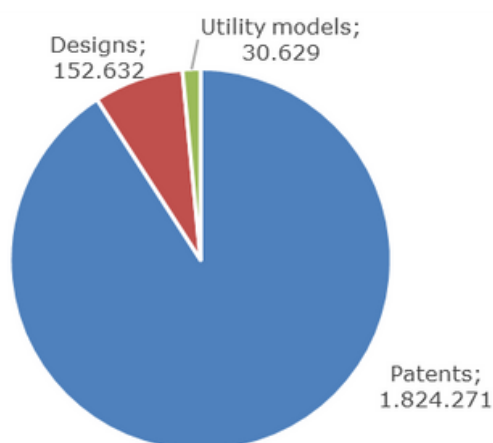


Figure 3 Types of US patent applications in other countries

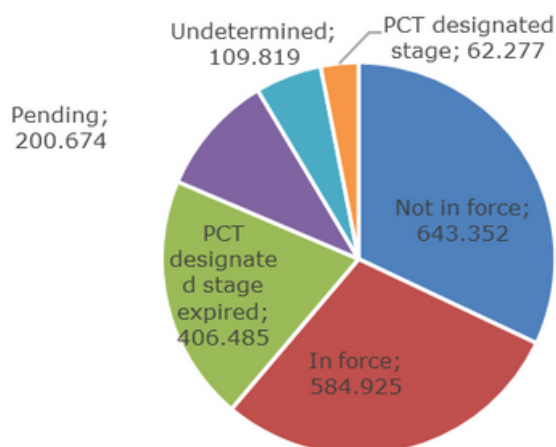


Figure 4 Legal status of US patent application in other countries

GEOGRAPHIC TERRITORIES

The United States has distributed a large number of patents in many countries. In addition to WIPO and EPO, the United States has the largest number of patent applications in China, Germany and Canada, indicating that these countries are the main target market countries of the United States, as shown in **Figure 5**.

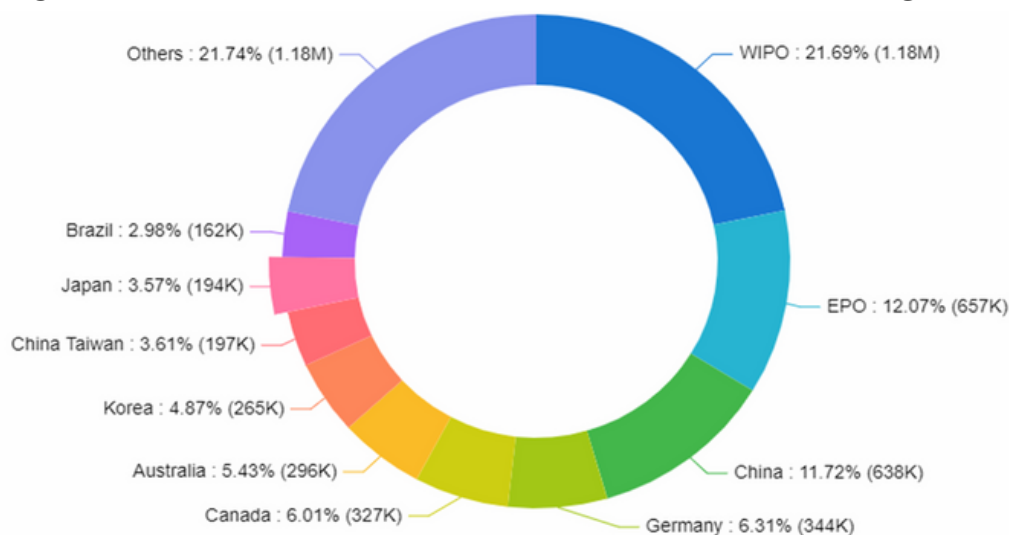


Figure 5 Top countries of target

By analyzing the patent trend of the top 10 countries, it can be found that the patent application volume of the United States in these countries generally maintains a relatively stable trend, as shown in **Figure 6**.

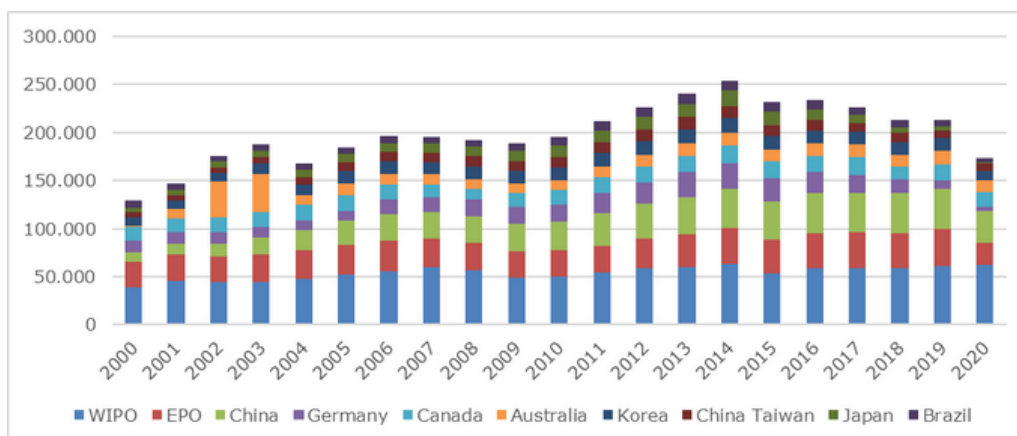


Figure 6 Top countries of target trend

KEY TECHNOLOGIES

Analyze the technical field of the United States distributing patents abroad in recent 20 years, and the results are shown in **Figure 7**. It can be seen that medicine, information technology, functional materials, semiconductors and other fields have the most relevant patents, reflecting that the United States has strong patent technology advantages in these fields.

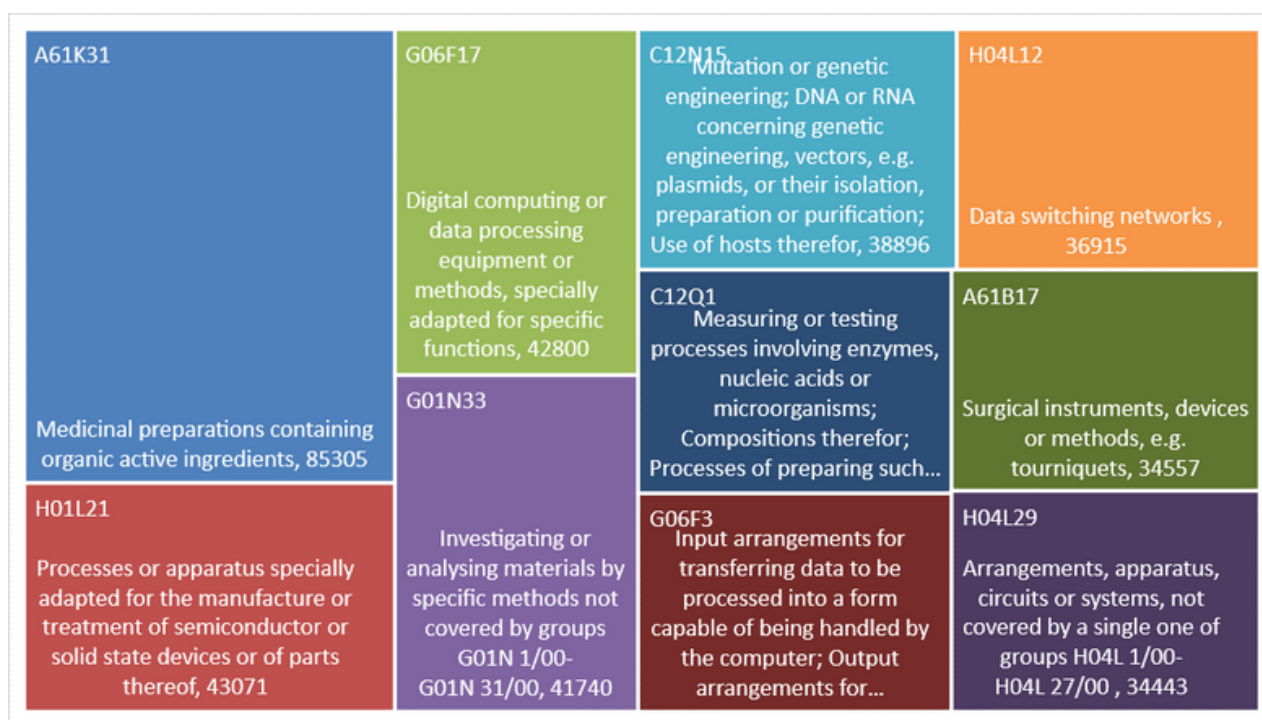


Figure 7 The top 10 IPC classification numbers

KEY TECHNOLOGIES

The number of patent applications in these technical fields corresponding to different countries was analyzed, as shown in **Figure 8**. It can be seen that the United States has applied for more patents on pharmaceuticals in Germany and more patents on semiconductors in Taiwan, China, indicating that the competition in these technical fields in the target countries is more intense.

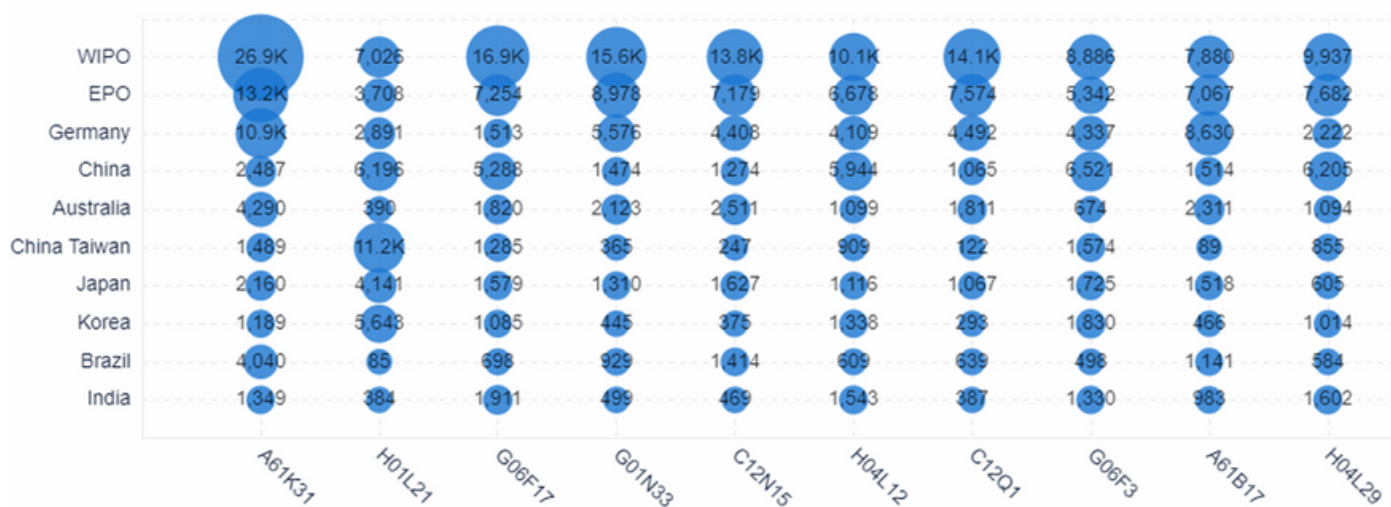


Figure 8 Patent applications of the top ten IPC classification numbers in different countries

STANDARDIZED CURRENT ASSIGNEES

Among the top 10 companies in terms of patent applications, Qualcomm has the largest number of patent applications, reaching 55,124, followed by general electric, Intel and Microsoft, as shown in **Figure 9**.

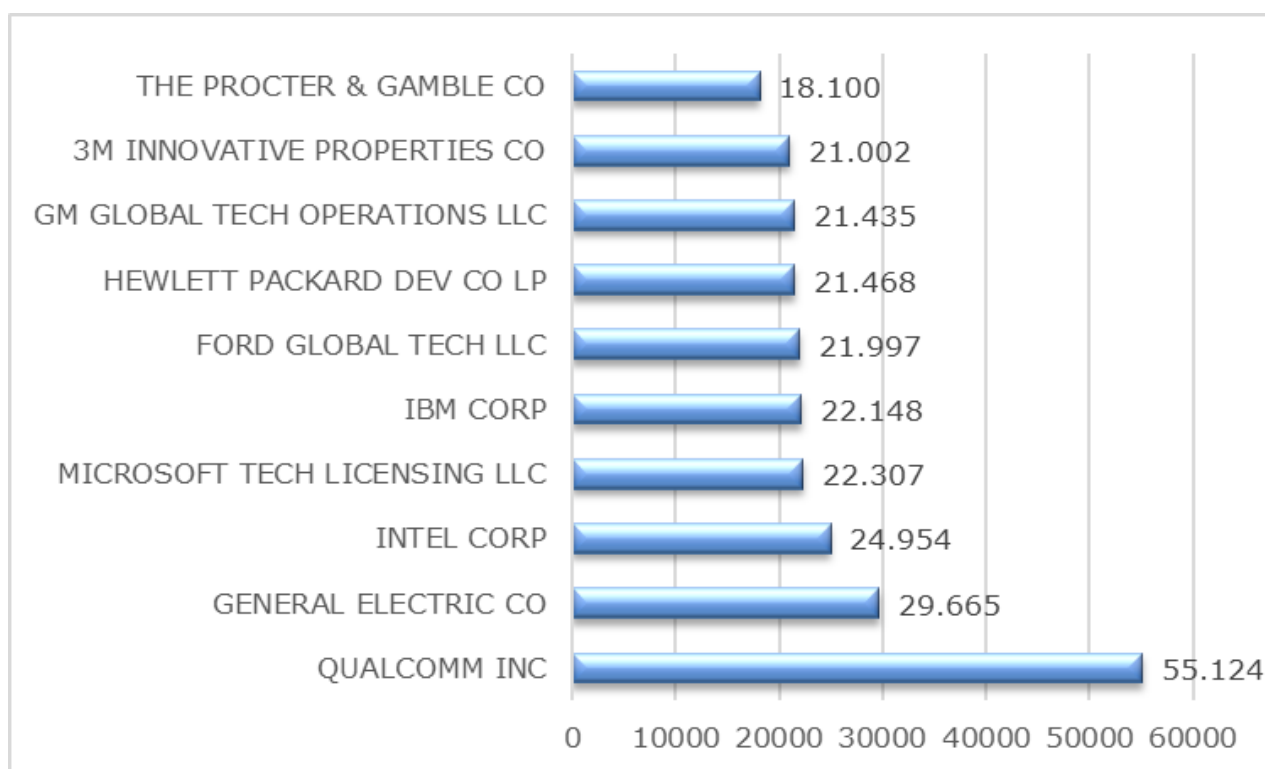


Figure 9 The top 10 standardized current assignees

At the same time, it is found that most companies are enterprises in the field of information technology, which reflects the competitiveness of multinational companies in this field in the international market.

CONCLUSION

In recent years, the number of patents distributed by the United States in Europe, China, Canada, Japan and other regions and countries has been increasing, especially in the fields of information technology, semiconductors, medicine and so on. This shows that the United States attaches great importance to the global competitiveness of its traditional advantageous fields.

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