#### **BIWEEKLY REPORT**

Foreign filers report: Development in United Kingdom





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### Introduction

The intellectual property industry in the UK has a long history, and its Statute of Monopolies of 1624 was the world's first formal and complete patent law. Nowadays, as one of the world's major economies, the patented technology in the UK still attracts the attention of global applicants. This report analyzes the development of patent applications in UK by foreign filers (Data as of July 25, 2023).

### Part 1: General information

At present, UK has published over 3.7 million patent applications, of which 67.51% are from UK, and the rest are mainly from the United States and Germany (as shown in <u>Figure 1</u>).

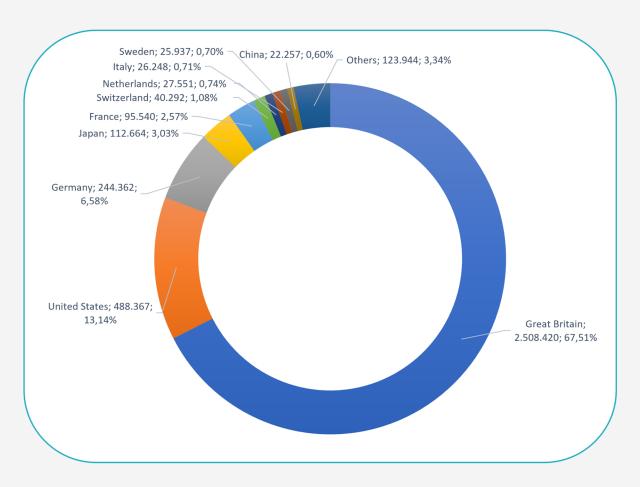


Figure 1 Top countries of origin

Over the past 20 years, UK domestic filers have applied for approximately 80% of the total volume of patents annually (as shown in Figure 2). It is worth noting that in 2021, the proportion of foreign filers was the highest, reaching 26.15%. Furthermore, it was found that the volume of patent applications in the UK remained relatively stable from 2004 to 2014, followed by rapid growth from 2015 to 2020, and a certain decline in the past three years (mainly due to patents not being publicly published).

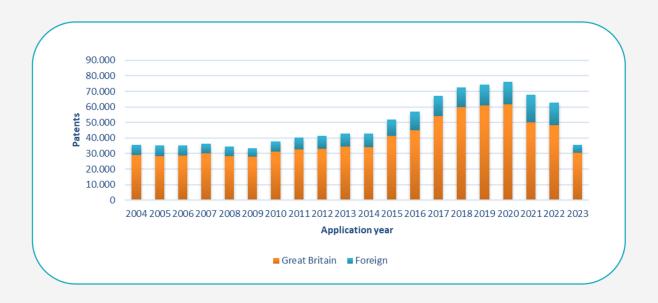


Figure 2 Patent publication trend of UK

Overall, the proportion of foreign filers applying for patents in the UK is relatively low.

### Part 2: Geographic Territories

According to the statistics of patents applied by foreign filers in UK during the 20 years from 2004 to 2023, the United States, China, Japan are the main countries of origin (as shown in <u>Figure 3</u>).

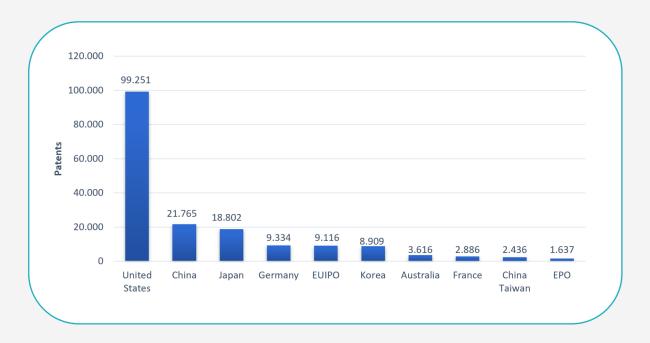


Figure 3 Top 10 countries or regions for foreign patent applications

Further analysis of the patent applications in the UK by filers from the aforementioned countries reveals that the United States maintains a high volume of patent applications in the UK every year, especially in 2021, which the number of patent applications was close to 10,000 (as shown in Figure 4). The volume of patents applied by Chinese filers in the UK has shown a rapid growth trend (as shown in Figure 5), while Japan shows a downwards trends since 2017 (as shown in Figure 6).

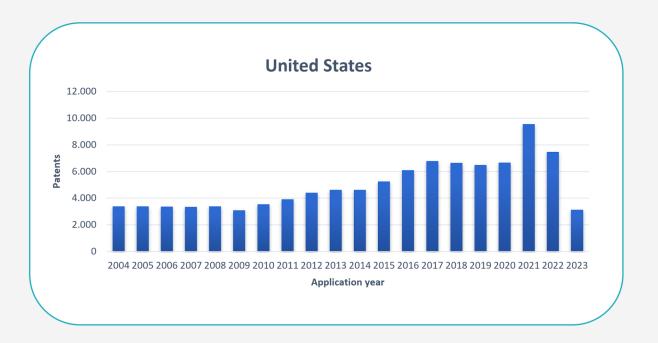


Figure 4 Patent publication trend of United States

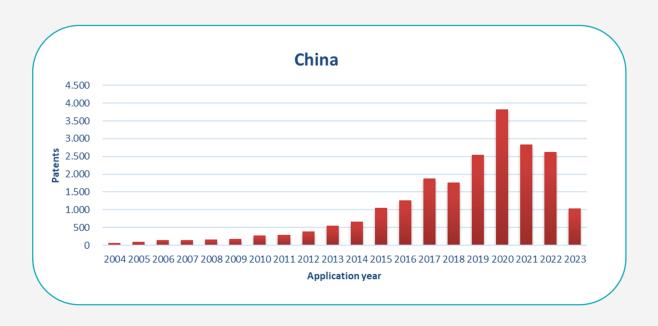


Figure 5 Patent publication trend of China

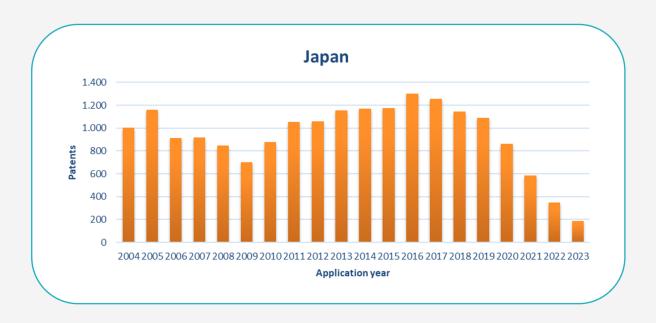


Figure 6 Patent publication trend of Japan

# Part 3: Key Technologies

An analysis of the main technical fields in which foreign applicants applied for patents in UK in the past 20 years shows that the processing and transmission of digital information involve the most patents (as shown in <u>Figure 7</u>).

G06F3	E21B43	H04L29	H04L12
Input arrangements for transferring data to be processed into a form capable of being handled by the computer; Output arrangements for transferring data from	Methods or apparatus for obtaining oil, gas, water, soluble or	Arrangements, apparatus, circuits or systems, not covered by a single one of groups H04L 1/00-H04L 27/00, 2268,0	Data switching networks, 2235,0
processing unit to output unit, e.g. interface arrangements , 2812,0	meltable materials or a slurry of minerals from wells , 2354,0	G06F9	G06F21
G06F17	E21B47	Arrangements for program control, e.g. control units, 2128,0	Security arrangements for protecting computers, components thereof, programs or data against unauthorised activity, 1896,0
		E21B33	H04N5
Digital computing or data processing equipment or methods, specially adapted			
for specific functions , 2664,0	Survey of boreholes or wells, 2312,0	Sealing or packing boreholes or wells, 1934,0	Details of television systems, 1755,0

Figure 7 The top 10 IPC classification numbers

## Part 4: Standardized Current Assignees

Among major foreign applicants, IBM has filed the most patents in UK in the last 20 years, followed by Samsung Electronics and Rolls Royce (as shown in <u>Figure 8</u>).

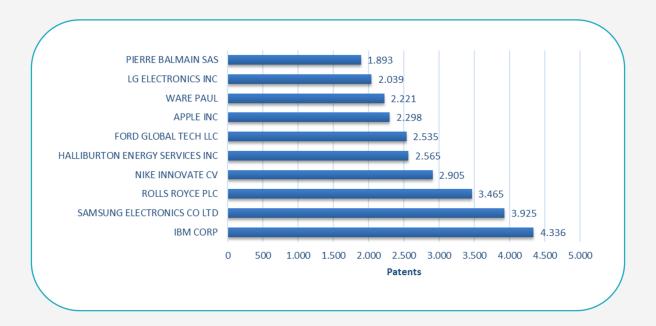


Figure 8 The top 10 standardized current assignees

### Conclusion

The United States has the highest volume of patents applied for in the UK, while Chinese filers have shown a rapid growth trend in the volume of patents applied for in the UK. The patents applied for by foreign filers in the UK mainly focus on the processing and transmission of digital information.

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