



PATENTING TRENDS

IN THE MIDDLE EAST

JUNE 2022

INTRODUCTION

The Middle East refers to some areas from the eastern and southern Mediterranean to the Persian Gulf Coast, involving more than 20 countries and regions. As the transportation hub of the East and the West, it has an extremely important strategic position since ancient times.

Since the Second World War, the situation in the Middle East has been turbulent all year round, but in recent years, its patent development has also attracted extensive attention all over the world.

Therefore, this report studies and analyzes the patent trend in the Middle East and mainly analyzes the patenting trends of 18 Middle East countries, including Turkey, Israel, Saudi Arabia, Morocco, Iran, etc.

OVERALL ANALYSIS

PATENT VOLUME

In general, the number of patent applications in the Middle East is increasing year by year, reaching 44,502 in 2021 (as shown in **Figure 1**). At the same time, the patent development of different countries in the Middle East varies greatly. Some countries such as Turkey and Israel have a large number of patent applications, while some countries have a low number of patent applications (as shown in **Figure 2**).

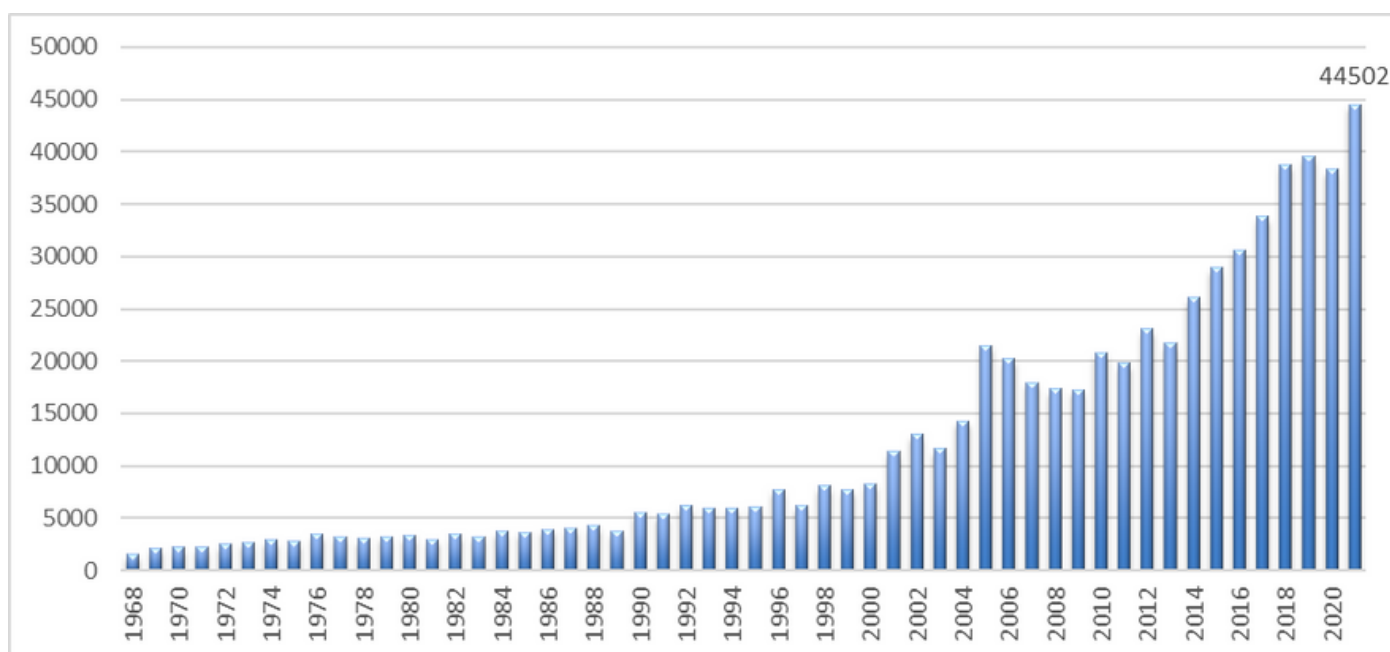


Figure 1 Patent publication trends in the Middle East

OVERALL ANALYSIS PATENT VOLUME

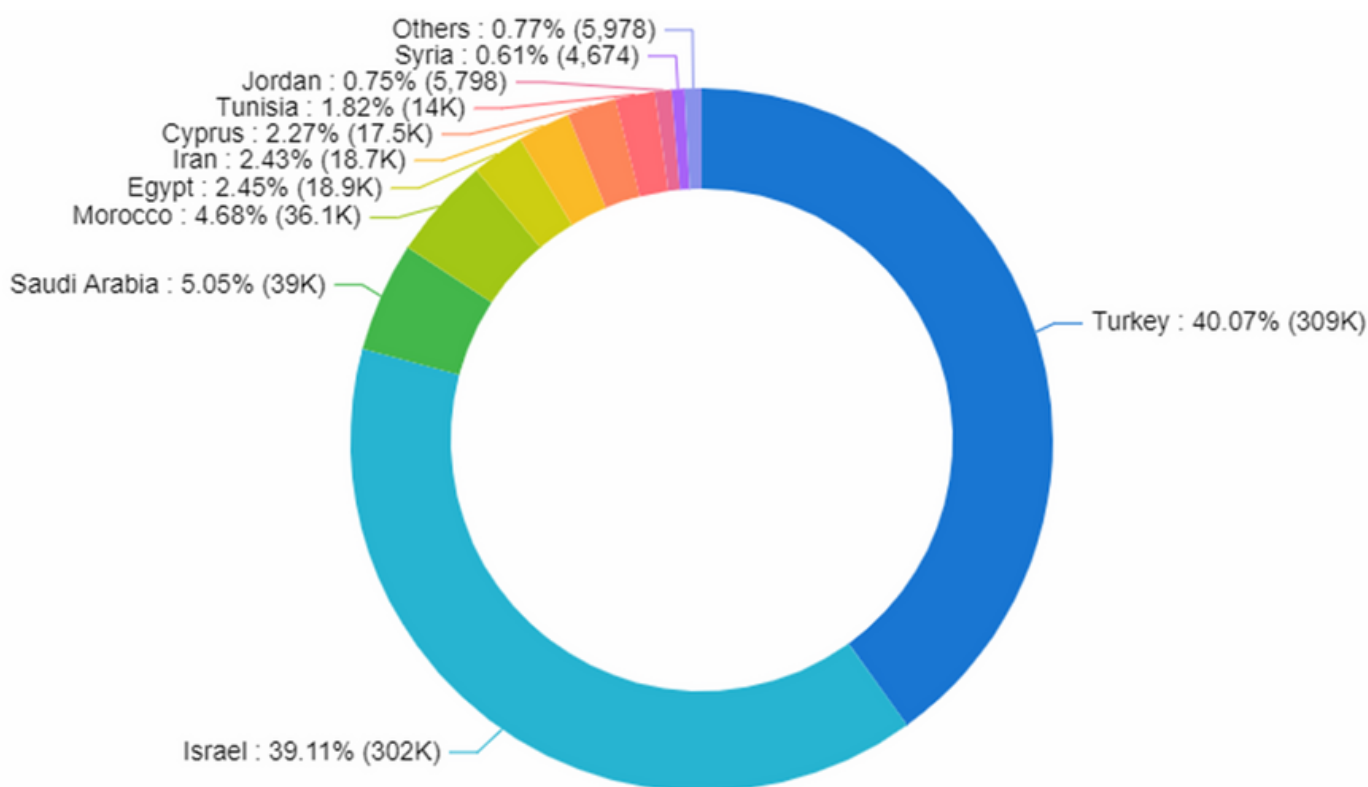


Figure 2 Top countries of authorities

PATENT VOLUME

In terms of patent origin countries, in addition to Turkey, Israel and other local countries, the United States, Germany, EPO, Great Britain and other countries have also distributed a large number of patents (as shown in **Figure 3**).

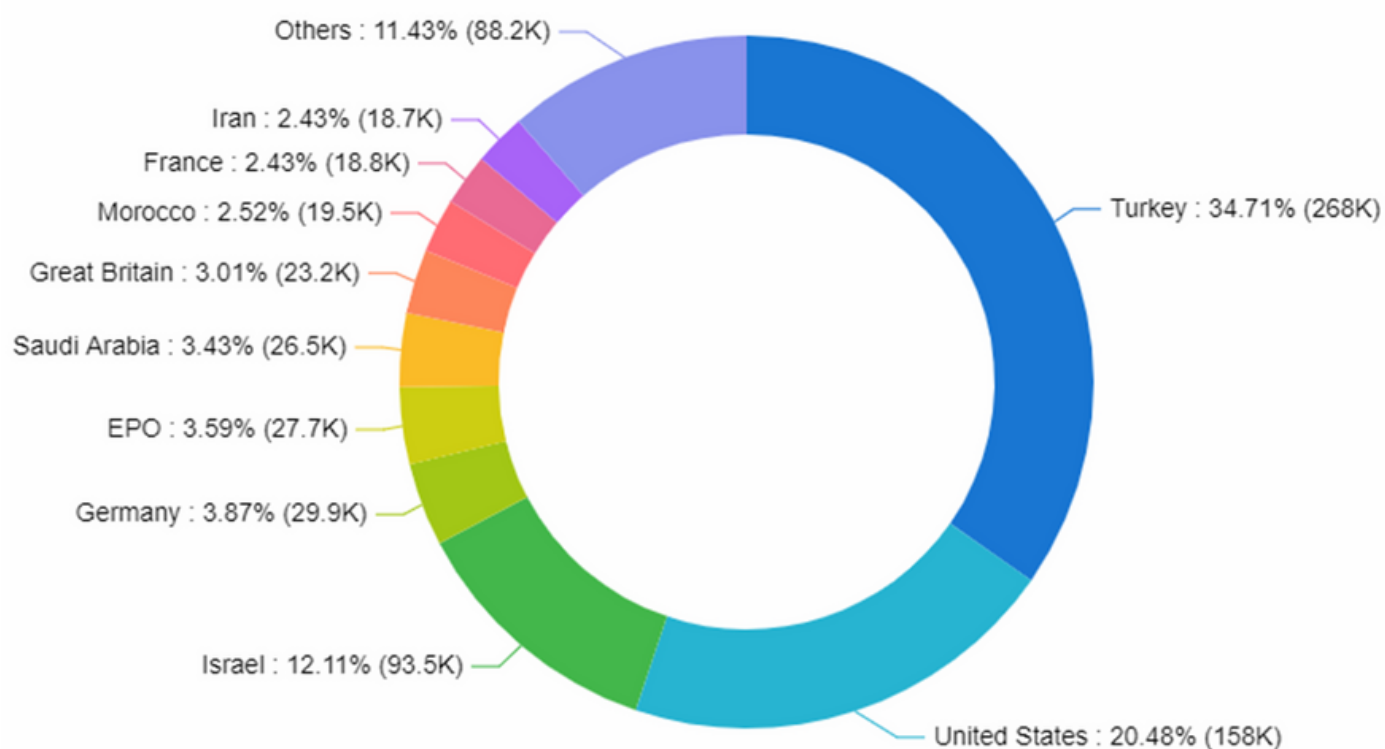


Figure 3 Top countries of origin

LEGAL STATUS

By analyzing the legal status of patents in the Middle East, it can be seen that most patents are invention patents, accounting for 61.28%, but the proportion of patents in the state of legal protection is relatively low, accounting for only 7.73% (as shown in **Figure 4** and **Figure 5**).

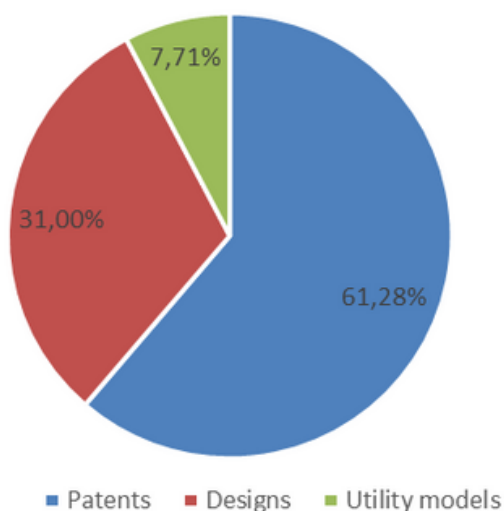


Figure 4 Patent type

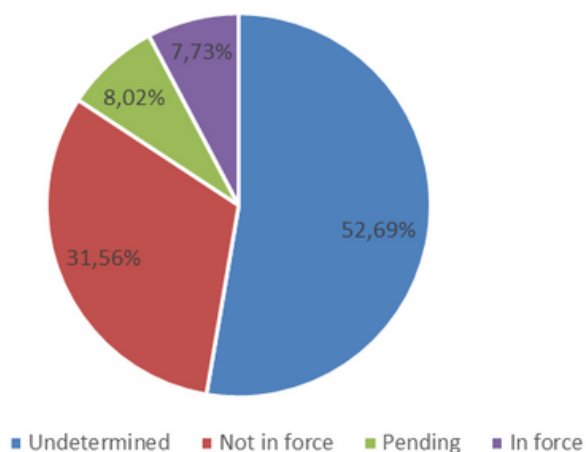


Figure 5 Legal status

KEY TECHNOLOGIES

Among all Middle East patents, there are many medical science and hygiene related patents. Among them, the number of patents with IPC classification number of A61K31 is the largest, reaching 42,241, followed by A61K9, A61P35 and A61K38 (as shown in **Figure 6**).

A61K31 Medicinal preparations containing organic active ingredients, 42241	A61K9 Medicinal preparations characterised by special physical form, 11481	A61P25 Drugs for disorders of the nervous system , 9898	C12N15 Mutation or genetic engineering; DNA or RNA concerning genetic engineering, vectors, e.g. plasmids, or their isolation, preparation or purification; Use of...
	A61P35 Antineoplastic agents, 10692	C07K14 Peptides having more than 20 amino acids; Gastrins; Somatostatins; Melanotropins; Derivatives thereof, 8688	A61P43 Drugs for specific purposes, not provided for in groups A61P 1/00-A61P 41/00, 7778
	A61K38 Medicinal preparations containing peptides, 10407	A61K39 Medicinal preparations containing antigens or antibodies, 8368	C07D401 Heterocyclic compounds containing two or more hetero rings, having nitrogen atoms as the only...

Figure 6 The top 10 IPC classification numbers

STANDARDIZED CURRENT ASSIGNEES

Among the top 10 standardized current assignees, 7 companies are from the United States, Switzerland and Germany, and the other 3 are local companies in Middle East countries such as Turkey and Israel (as shown in **Figure 7**).

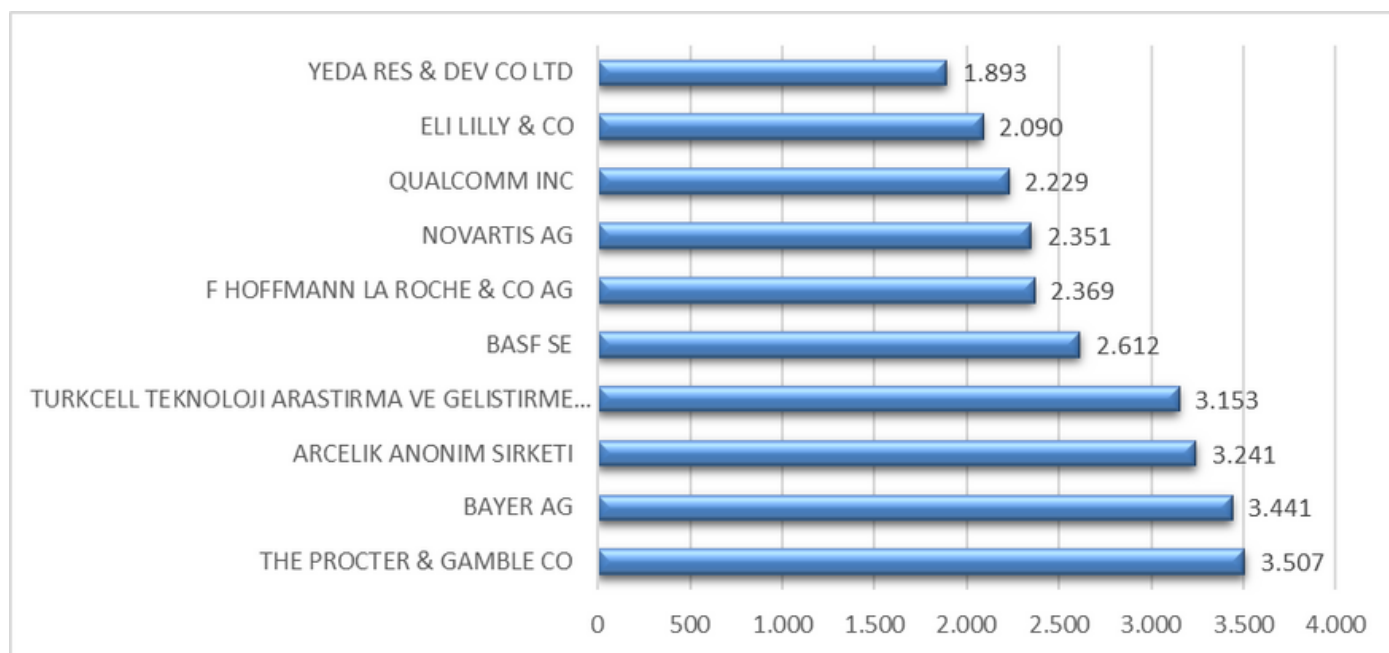


Figure 7 The top 10 standardized current assignees

PATENT TRENDS IN DIFFERENT MIDDLE EAST COUNTRIES

After analyzing the overall development of patents in the Middle East, this report further analyzes the five countries with the largest number of patents: Turkey, Israel, Saudi Arabia, Morocco and Iran.

PATENT TRENDS IN TURKEY

Turkey has the largest number of patents in the Middle East, and most of its patents are domestic. From 2018 to 2019, patent applications from Germany, the United States and other countries in Turkey increased significantly. In the following two years, affected by some factors, the number of patent applications in Turkey decreased significantly, and there were no foreign applications (as shown in **Figure 8**).

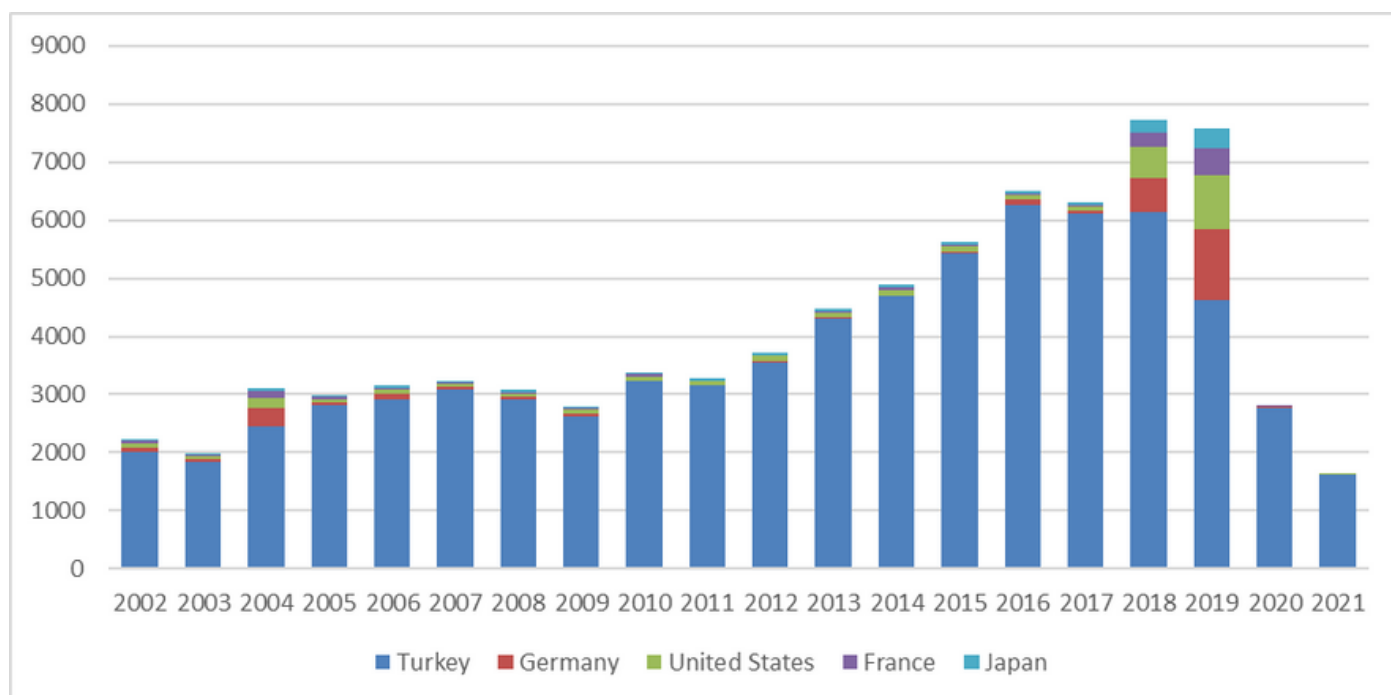


Figure 8 Top countries of origin trends in Turkey

PATENT TRENDS IN TURKEY

Among the patent applications in Turkey, medical science and hygiene related patents are the most, and the top ten IPC classification numbers, such as A61K31, A61K9 and so on all belong to this field (as shown in **Figure 9**).

It can be seen that Turkey's patents mainly come from domestic, and mainly focus on medicine and health.

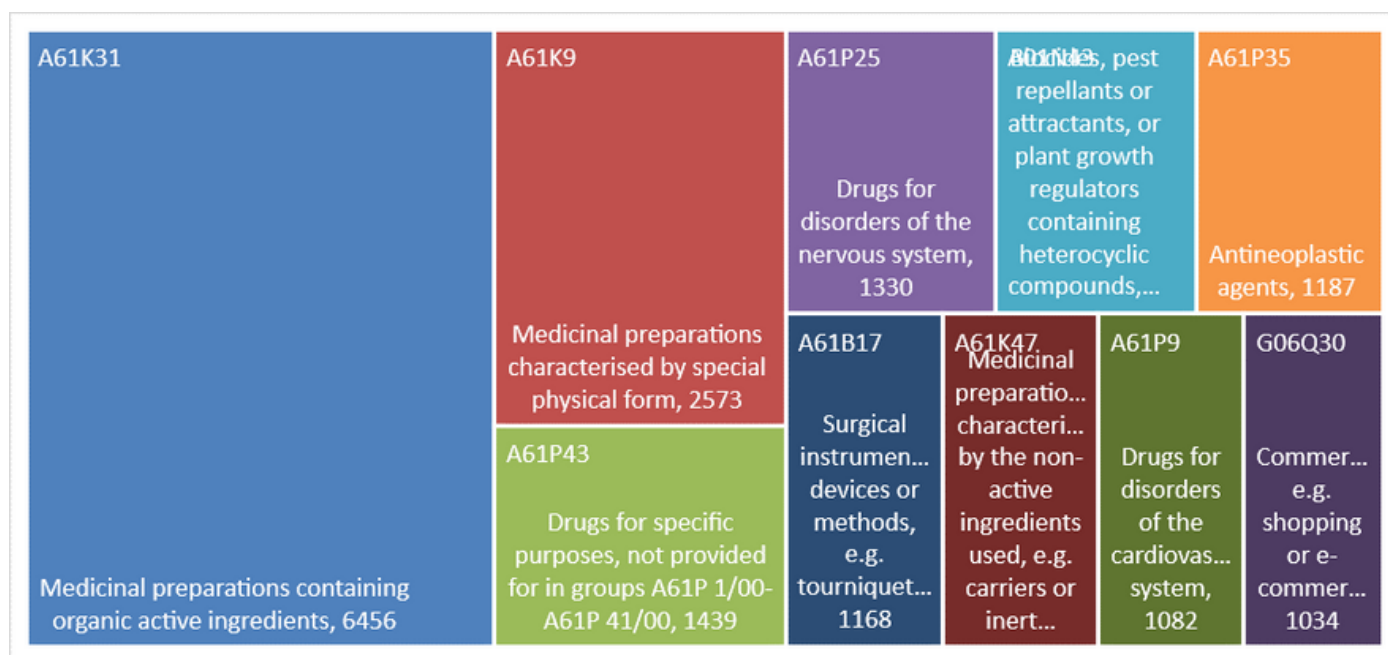


Figure 9 The top 10 IPC classification numbers in Turkey

PATENT TRENDS IN ISRAEL

Among all patents in Israel, the United States is the main origin country of patented technology, while patent applications in Israel show a downward trend year by year (as shown in **Figure 10**).

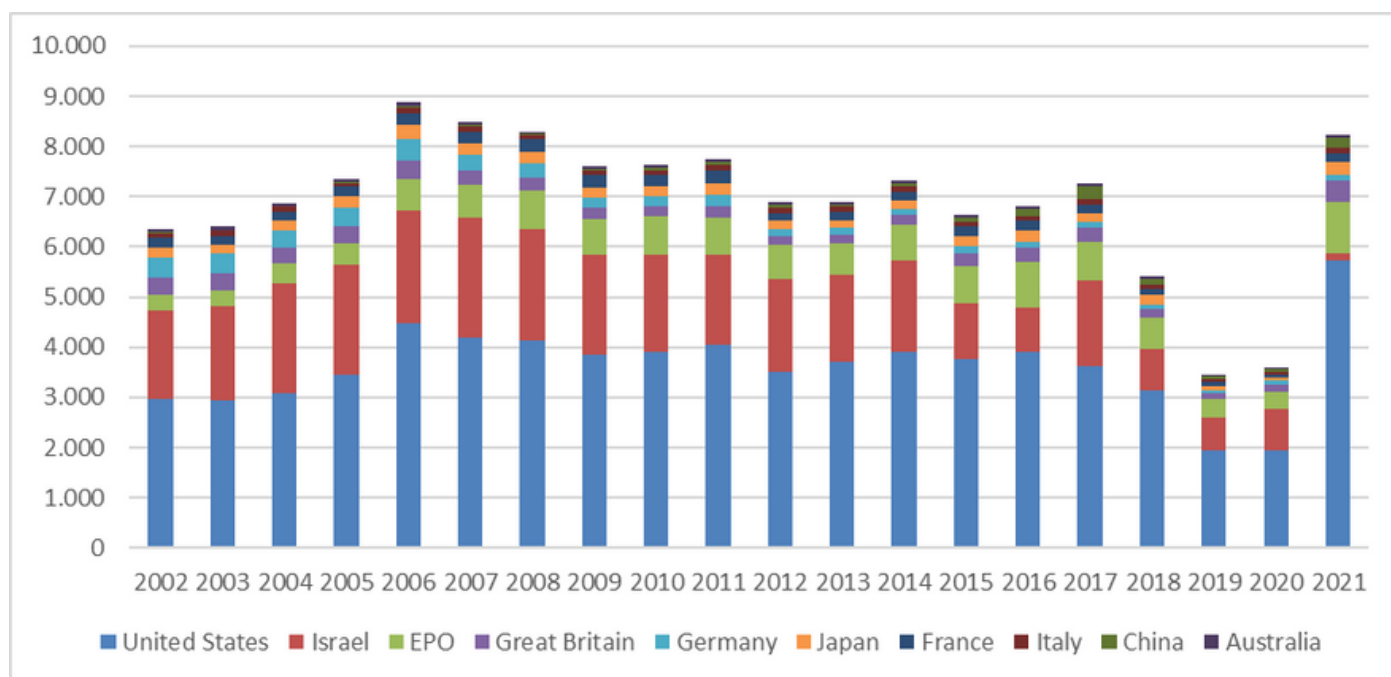


Figure 10 Top countries of origin trends in Israel

PATENT TRENDS IN ISRAEL

In the field of patent technology, the IPC classification number A61K31 is significantly higher than others, reaching 34,144 (as shown in **Figure 11**).

A61K31 Medicinal preparations containing organic active ingredients, 34144	A61P35 Antineoplastic agents, 9621	A61K9 Medicinal preparations characterised by special physical form, 8522	C12N15 Mutation or genetic engineering; DNA or RNA concerning genetic engineering, vectors, e.g. plasmids, or their isolation, preparation or purification; Use of hosts therefor, 8161
	A61K38 Medicinal preparations containing peptides, 9302	C07K14 Peptides having more than 20 amino acids; Gastrins; Somatostatins; Melanotropins; Derivatives thereof, 7827	A61P43 Drugs for specific purposes, not provided for in groups A61P 1/00- A61P 41/00, 7179
	A61P25 Drugs for disorders of the nervous system, 8779	A61K39 Medicinal preparations containing antigens or antibodies, 7426	C07D401 Heterocyclic compounds containing two or more hetero rings, having nitrogen atoms as the only ring hetero atoms, at least one ring being a six...

Figure 11 The top 10 IPC classification numbers in Israel

PATENT TRENDS IN SAUDI ARABIA

The number of patent applications in Saudi Arabia has shown a rapid growth trend in recent years, and the relevant patented technologies are mainly from domestic and the United States (as shown in **Figure 12**).

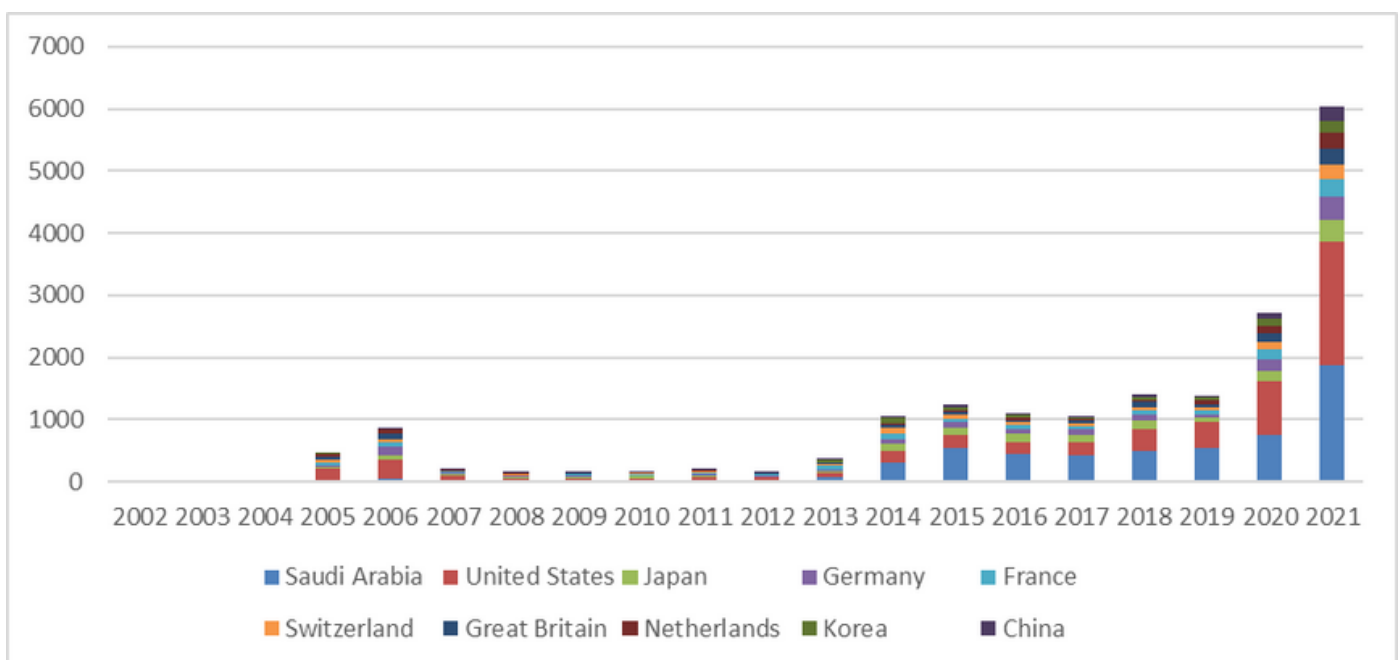


Figure 12 Top countries of origin trends in Saudi Arabia

PATENT TRENDS IN SAUDI ARABIA

Among Saudi Arabian patents, the IPC classification number A61K31 is also the technical field with the largest number of patents, followed by A61F13 (as shown in **Figure 13**).

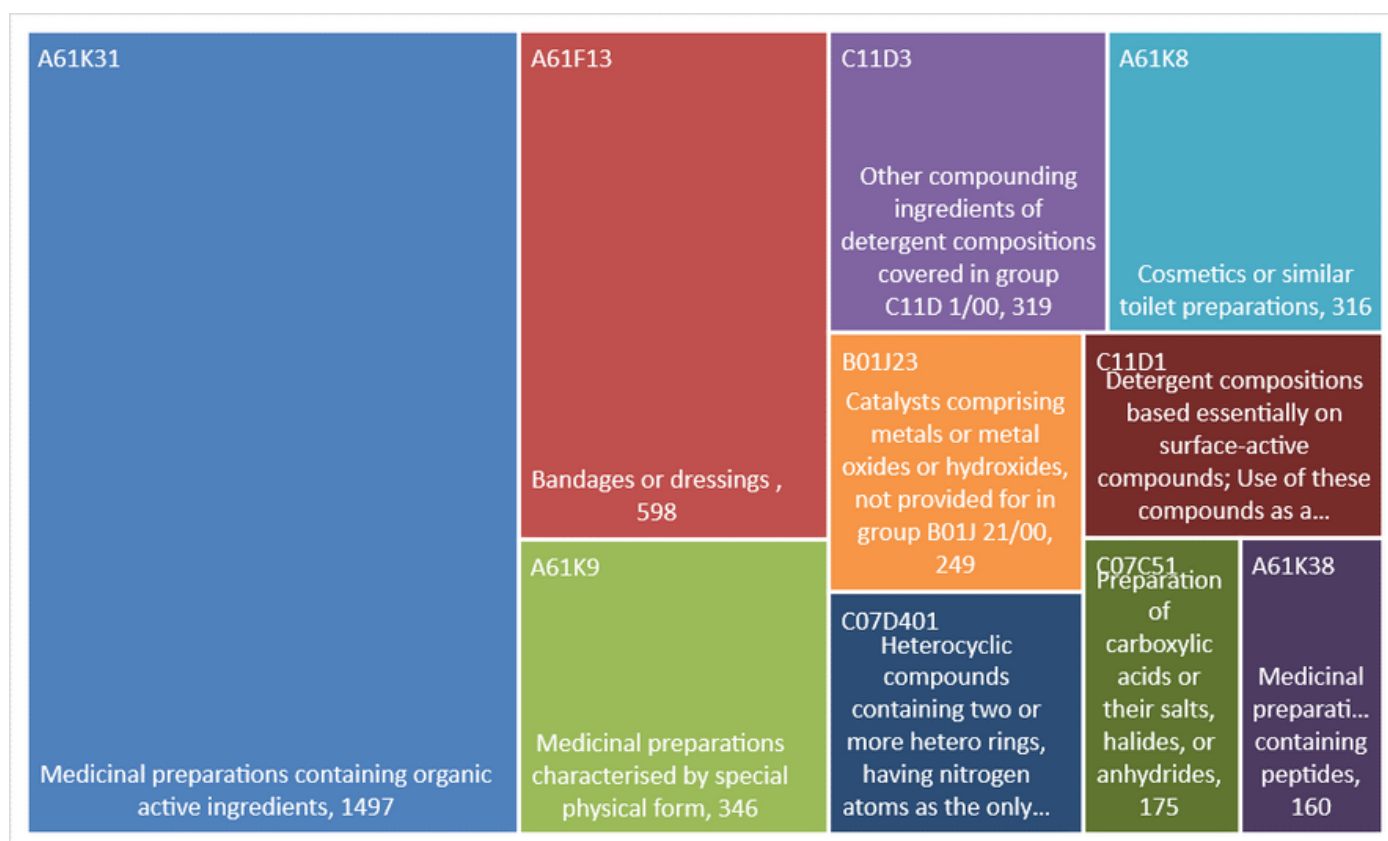


Figure 13 The top 10 IPC classification numbers in Saudi Arabia

PATENT TRENDS IN MOROCCO

The number of patent applications in Morocco remains relatively stable, and the main origin countries of its patented technology are the United States, Morocco, France, New Zealand (as shown in **Figure 14**).

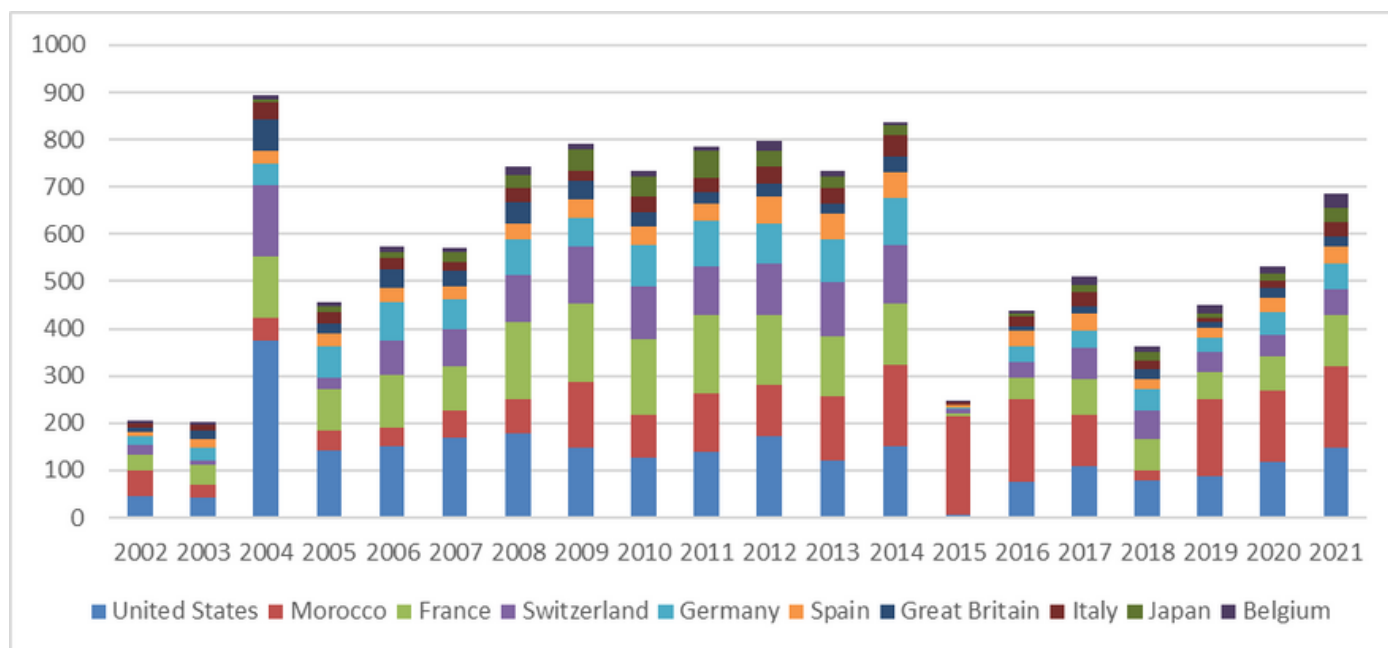


Figure 14 Top countries of origin trends in Morocco

PATENT TRENDS IN MOROCCO

Among Morocco patents, the IPC classification number A61K31 is also the technical field with the largest number of patents (as shown in **Figure 15**).

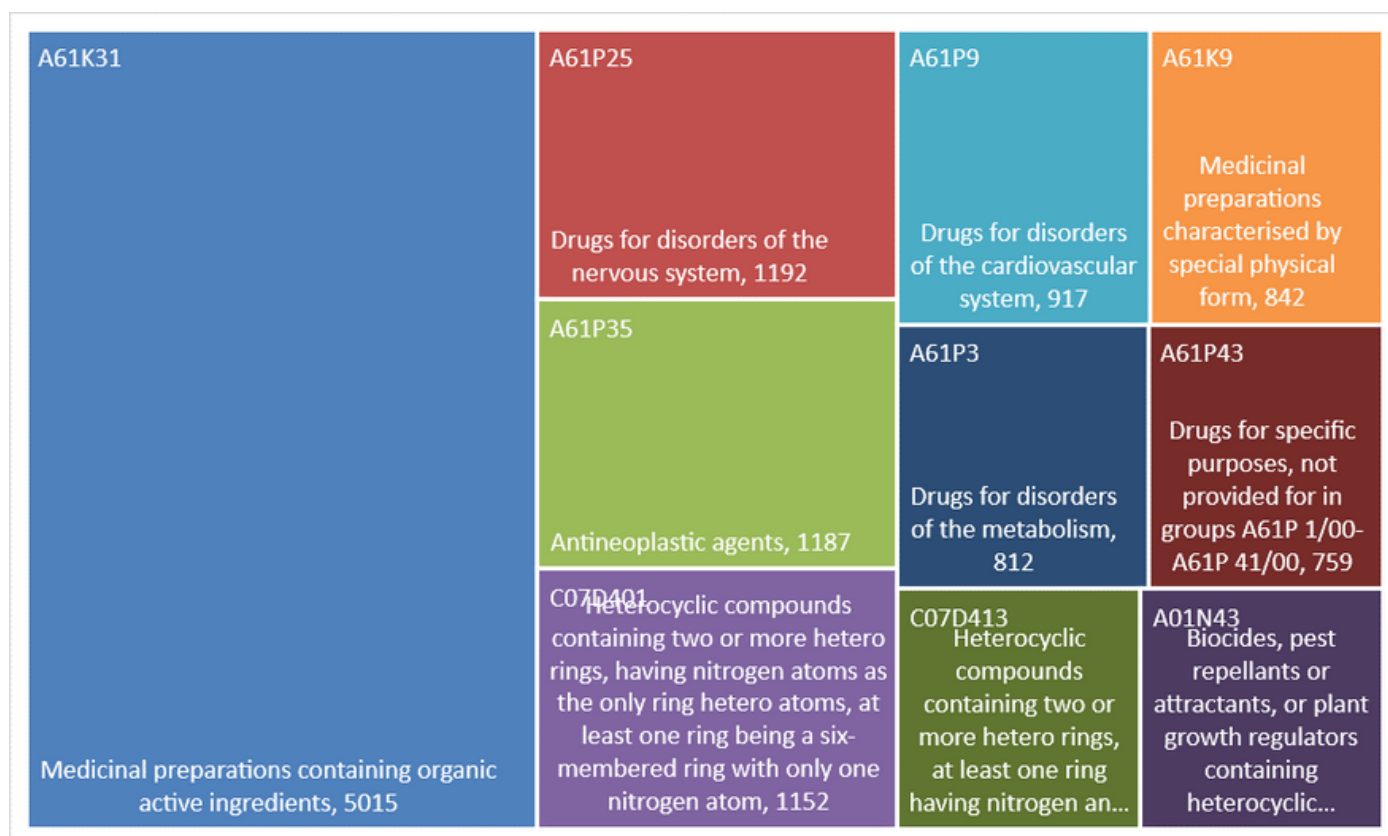


Figure 15 The top 10 IPC classification numbers in Morocco

PATENT TRENDS IN IRAN

The number of patent applications in Iran fluctuates greatly, and the vast majority of patents come from domestic applications (as shown in Figure 16). This reflects that the local political turmoil has had a great impact on the development of its patents.

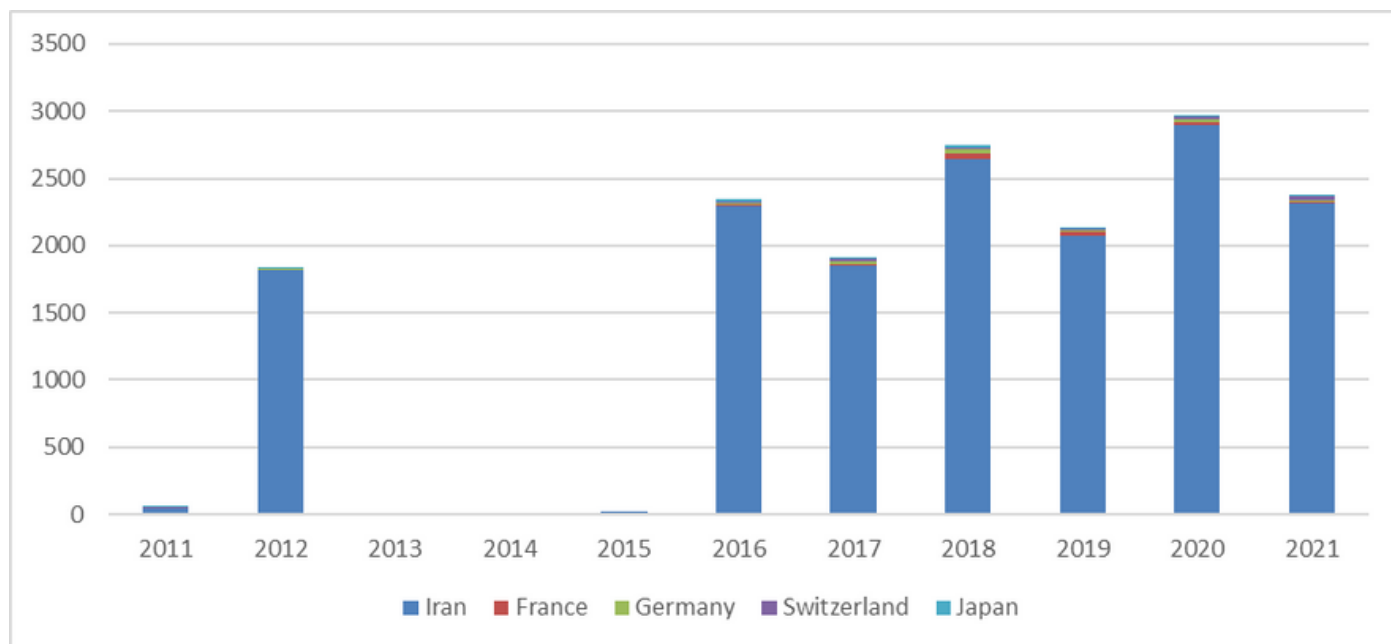


Figure 16 Top countries of origin trends in Iran

CONCLUSION

The number of patents in the Middle East has maintained a **steady growth trend**, attracting companies in the United States and Europe to distribute patents. Due to the influence of foreign companies, the patent technology in Middle East countries are mainly **concentrated** in the fields of **medical science and hygiene**.

At the same time, the patent development in the Middle East is **greatly affected** by the **political turmoil**, resulting in large fluctuations in the number of patent applications in Turkey, Iran, Israel and other countries.

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.