

INTELLECTUAL PROPERTY IN FIGURES

Activity indicators in the field of
intellectual property
in the first quarter of 2024

2024

State Organization
«Ukrainian National Office for Intellectual Property and
Innovations»
(UANIPIO)

INTELLECTUAL PROPERTY IN FIGURES

Activity indicators in the field of intellectual property
in the first quarter of 2024

Kyiv – 2024

Contents

I. Main Performance Indicators	3
1. Common Tendencies	3
2. Inventions	5
3. Utility Models.....	8
4. Industrial designs.....	10
5. Trademarks	11
6. Copyright.....	13
II. Analysis of Inventive Activity of National Applicants.....	16
1. Applications for Inventions and Utility Models	16
2. Registration of Inventions and Utility Models.....	19
III. Business Activity Analysis	21
1. Resident and Non-Resident Applicants with the Highest Number of Filed Applications for Trademarks	21
2. Business Activity Priorities based on the Nice Classification	22
Annexes	26

I. Main Performance Indicators

1. Common Tendencies

During the two years of full-scale war, the national economy continues to develop steadily due to the joint efforts of the Armed Forces, Ukrainian business and society as a whole.

2024 has started in a promising way in the field of intellectual property. This is evidenced by the number of applications for industrial property rights protection in the first quarter, which reflects an increase of almost 30% compared to the corresponding period of 2023. In total, 8,364 applications for industrial property rights protection were filed, including 6,524 trademark applications filed, which exceeds not only last year's number of applications, but even the pre-war level of 2020.

In general, comparing the same periods in 2023 and 2024, the filing rates for utility models (39.9%) and trademarks (33.9%) have increased significantly, but the number of applications for industrial designs remained almost unchanged, and the number of applications for inventions slightly decreased (7.9%) (Table 1, Figure 1).

**Table 1. Applications for Industrial Property Rights Protection
in the First Quarter from 2020 to 2024¹**

	2020	2021	2022	2023	2024 ²	2024 to 2023
Total	9,197	9,779	5,897	6,489	8,364	128.9%
Inventions, including PCT applications	703	724	582	671	618	92.1%
Utility Models, including PCT applications	1,446	961	483	689	964	139.9%
Industrial designs (under the national procedure)	586	484	331	257	258	100.4%
Trademarks (under the national procedure)	6,462	7,610	4,501	4,872	6,524	133.9%

¹ Data for previous years have been updated

² Previous data

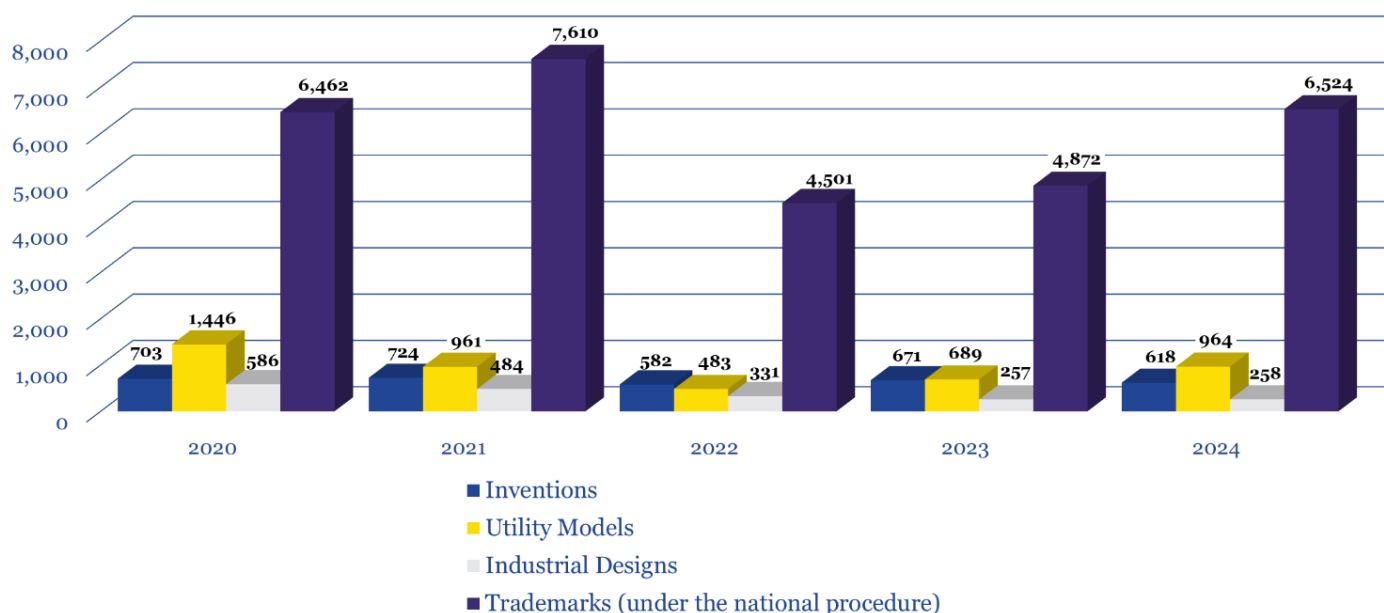


Figure 1. Dynamics of Applications for Industrial Property Rights Protection in the First Quarter from 2020 to 2024

The total number of registrations in the first quarter of 2024 increased by 7.8% as compared to the first quarter of 2023 and amounted to 4,827:

- the number of registered inventions decreased by 34.4%;
- at the same time, the number of utility model registrations increased by 54.9%;
- particularly stands out the growth of number of industrial design registrations, which amounted to 137%;
- the trademark registrations indicator is slightly higher than the one of the previous year – by 1.7% (Table 2, Figure 2).

Table 2. Industrial Property Rights Registrations in the First Quarter from 2020 to 2024

	2020	2021	2022	2023	2024	2024 to 2023
Total	7,254	8,720	6,785	4,476	4,827	107.8%
Inventions, including PCT applications	510	666	427	448	294	65.6%
Utility Models, including PCT applications	1,942	1,256	615	521	807	154.9%
Industrial designs (under the national procedure)	388	600	206	119	282	237.0%
Trademarks (under the national procedure)	4,414	6,198	5,537	3,388	3,444	101.7%

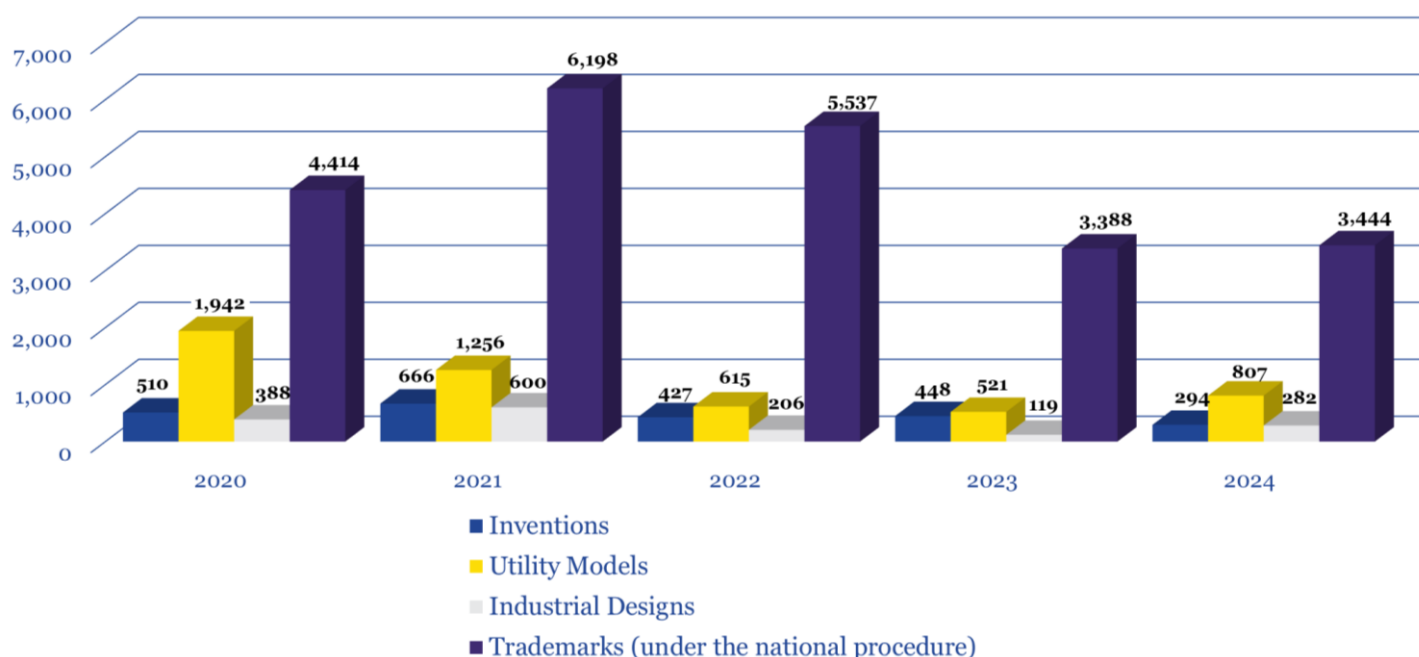


Figure 2. Dynamics of Industrial Property Rights Registrations in the First Quarter from 2020 to 2024

Despite the military aggression of the Russian Federation, economic uncertainty and some legal factors that may slow down the time for obtaining legal protection, inventors and businesses contribute to the development of the national economy and the innovation ecosystem by creating new intellectual property.

2. Inventions

In the reporting period, the total number of applications for inventions decreased by 7.9% (618) compared to the same period in 2023 due to a decrease in the number of filed applications by 18.3% (357) under the PCT procedure. However, it should be noted that under the national procedure, the number of applications received from resident and non-resident applicants is the highest since 2022, amounting to 206 (109.0%) and 55 (122.2%), respectively (Table 3, Figure 3).

Table 3. Patents Filed in the First Quarter from 2020 to 2024¹

	2020	2021	2022	2023	2024 ²	2024 to 2023
Total	703	724	582	671	618	92.1%
Under the national procedure	374	347	212	234	261	111.5%
by resident applicants	317	282	142	189	206	109.0%
by non-resident applicants	57	65	70	45	55	122.2%
Under the PCT procedure	329	377	370	437	357	81.7%
including resident applicants	-	2	-	2	-	-

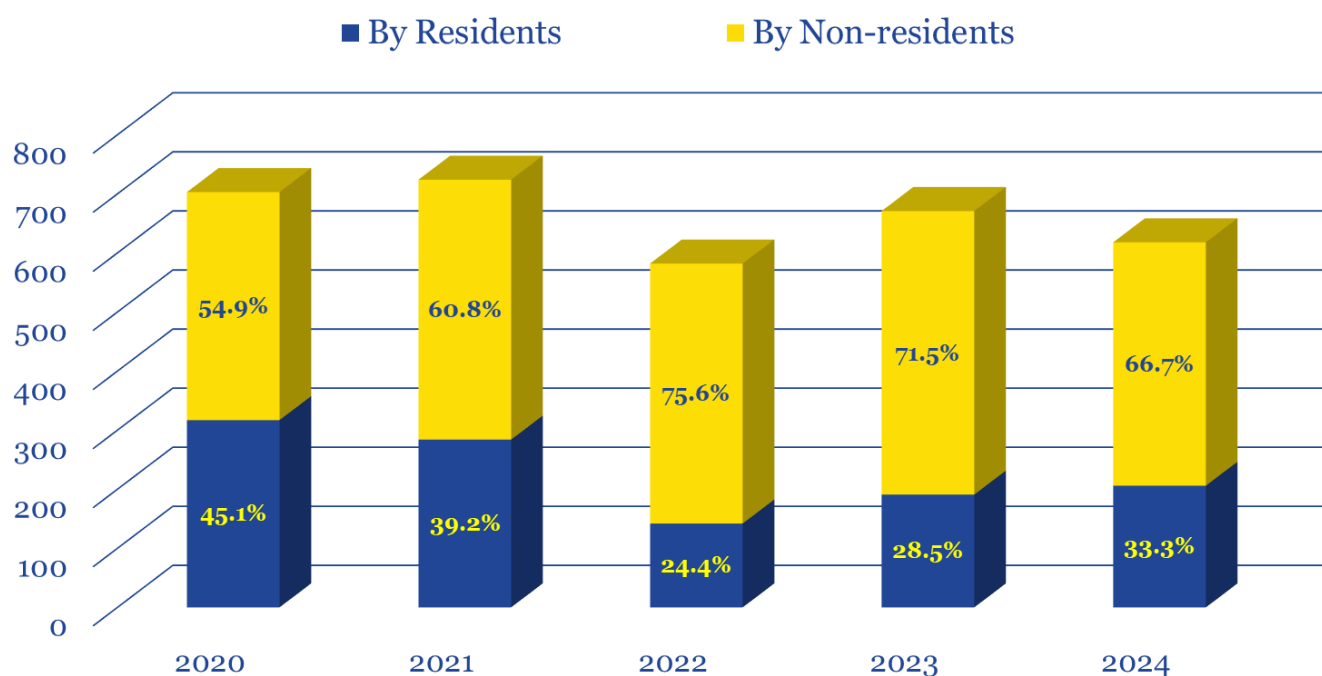


Figure 3. Dynamics of Patents Filed in the First Quarter from 2020 to 2024

Although there has been an increase in the activity of resident applicants in filing applications for inventions, the ratio of applications filed by non-resident and resident applicants remains unchanged: as in recent years, more than a third of all applications filed are from the non-residents. The share of applications filed by non-resident applicants under the PCT procedure also remains stable, amounting 86.7% (Figure 4).

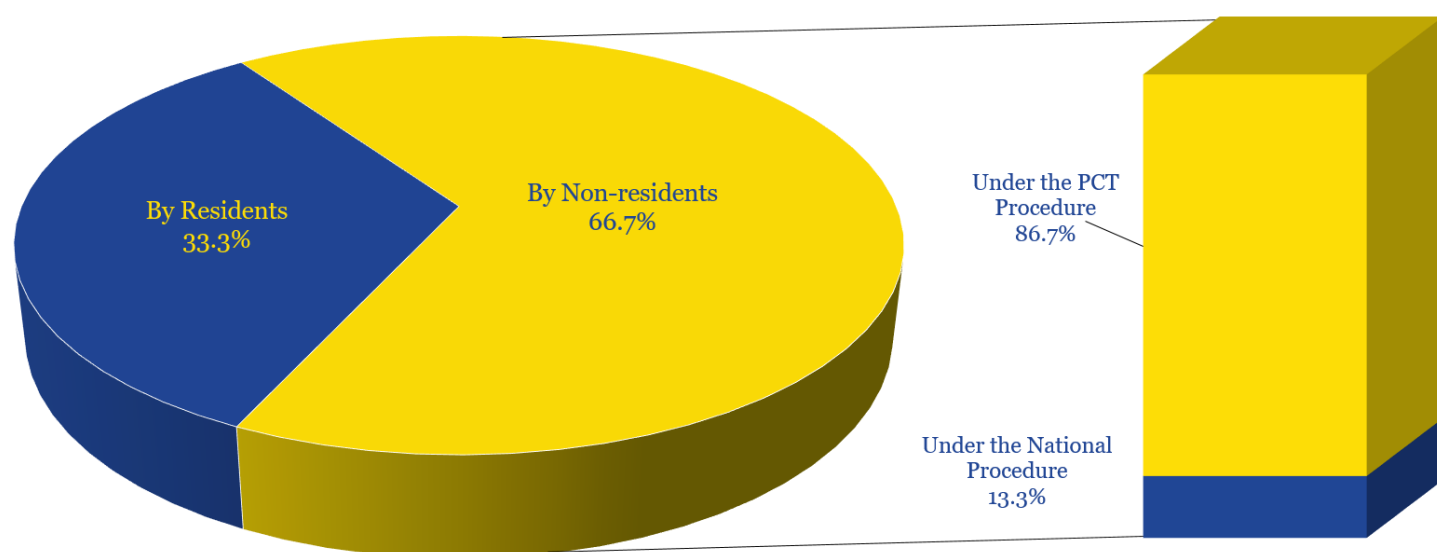
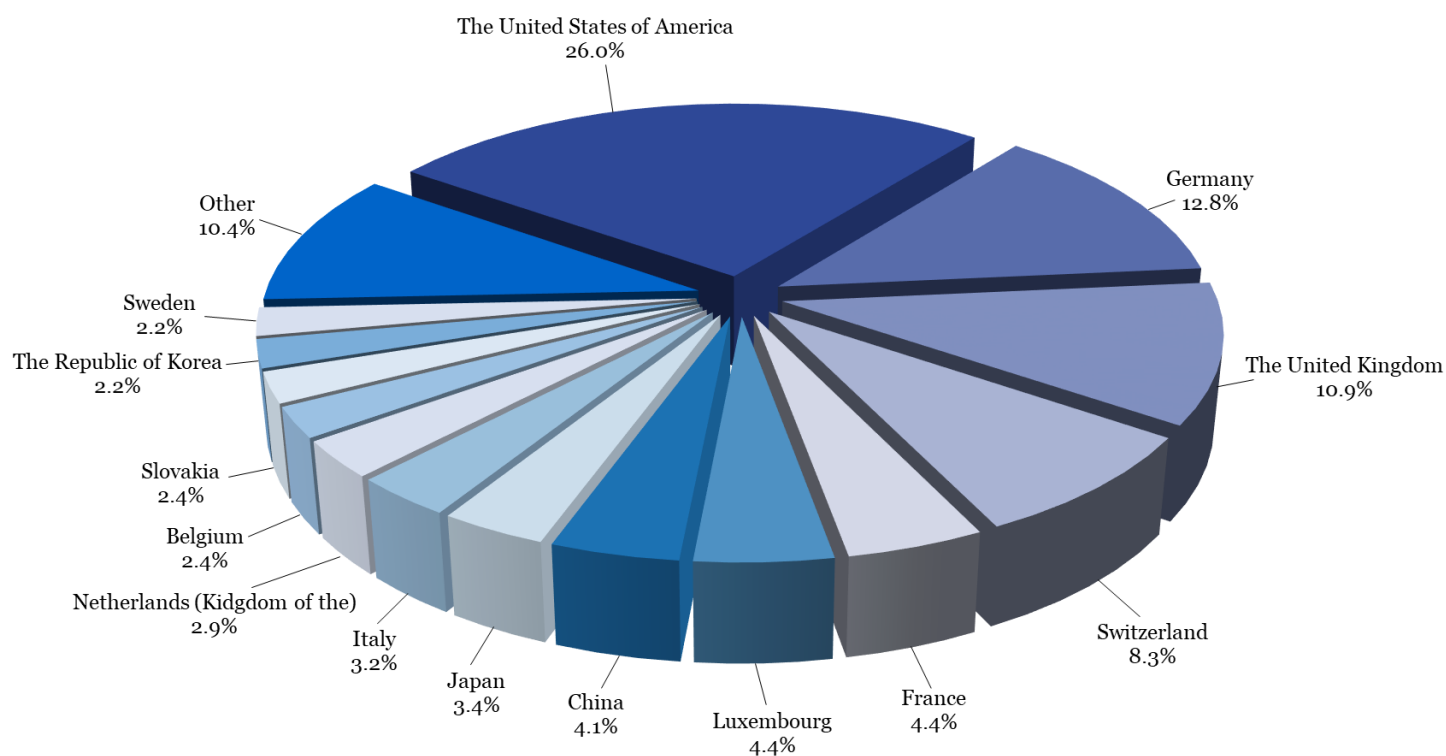


Figure 4. Correlation between Resident and Non-resident Applicants in the First Quarter 2024

In the first quarter of 2024, the total number of applications from non-resident applicants decreased by 14.2% compared to the same period in 2023. The largest number of applications was filed by applicants from the USA, Germany, the United Kingdom and Switzerland, although their total number decreased. At the same time, some countries, such as France and Luxembourg, showed an increase in the number of applications filed. A particularly significant increase was observed from applicants from China: the number of applications increased by 54.5% (Table 4, Figure 5).

Table 4. Non-resident Applications by Origin in the First Quarter from 2020 to 2024¹

	2020	2021	2022	2023	2024 ²	2024 to 2023
Total	386	440	440	480	412	85.8%
The United States of America	102	122	137	115	107	93.0%
Germany	43	55	51	67	53	79.1%
The United Kingdom	15	34	29	69	45	65.2%
Switzerland	38	44	44	65	34	52.3%
France	10	14	16	17	18	105.9%
Luxembourg	8	7	8	16	18	112.5%
China	32	35	29	11	17	154.5%
Japan	11	14	15	11	14	127.3%
Italy	14	9	4	9	13	144.4%
Netherlands (Kingdom of the)	14	4	9	4	12	300.0%
Slovakia	4	—	3	8	10	125.0%
Belgium	7	6	15	7	10	142.9%
The Republic of Korea	8	10	4	14	9	64.3%
Sweden	2	9	2	12	9	75.0%
Other	78	77	74	55	43	78.2%

**Figure 5. Non-resident Applications by Origin in the First Quarter of 2024**

In the reporting period, 294 registrations of inventions were carried out. The share of registrations in the name of non-residents still exceeds the share of national applicants – 64.6% of the total number of registrations (Table 5, Figure 6).

Table 5. Patents Granted in the First Quarter from 2020 to 2024

	2020	2021	2022	2023	2024	2024 to 2023
Total	510	666	427	448	294	65.6%
To residents	248	316	178	136	104	76.5%
To non-residents	262	350	249	312	190	60.9%

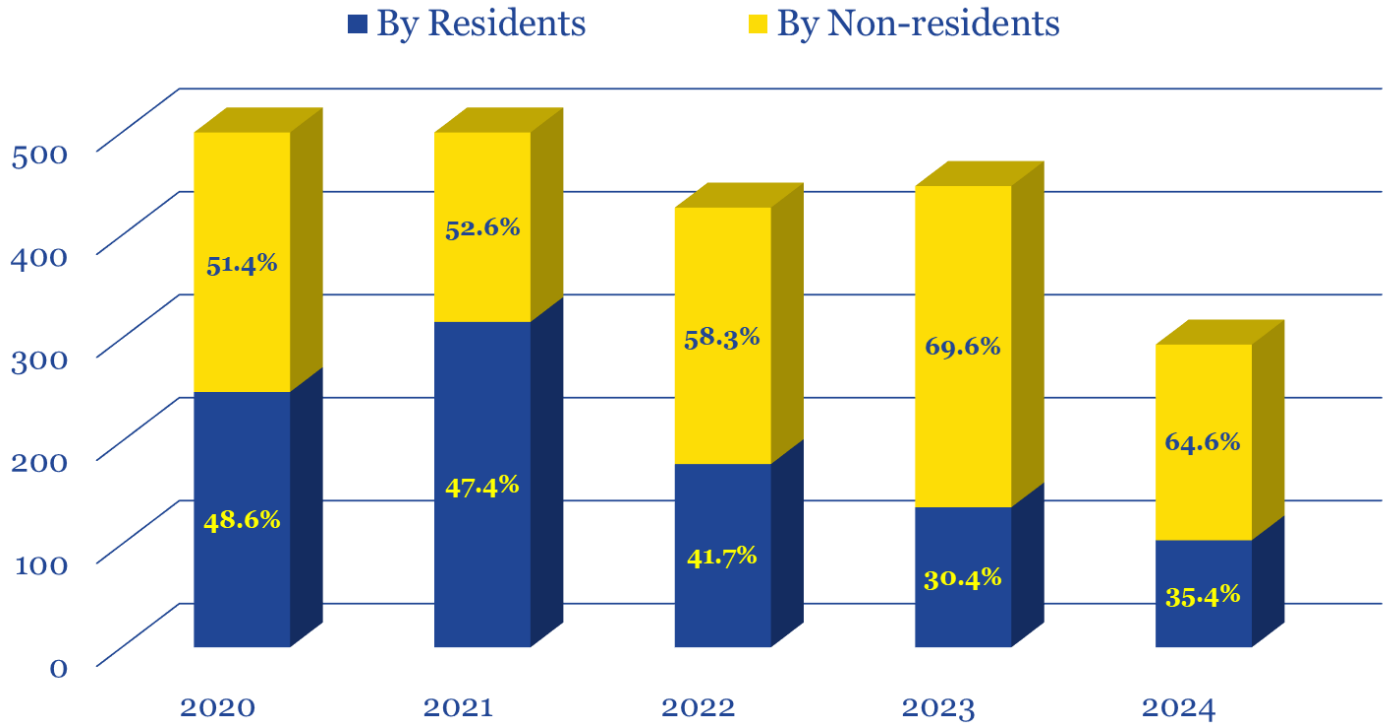


Figure 6. Dynamics of Patents Granted in the First Quarter from 2020 to 2024

3. Utility Models

In general, there was a noticeable increase of filing and registration indicators in the first quarter of 2024, which signifies an increase in innovation activity in various industries.

The total number of applications in the reporting period increased significantly compared to the previous year and amounted to 964, which is 39.9% more than last year's indicator. Almost all applications were filed under the national procedure with the number of applications from resident applicants increased by 40.5% and from non-resident applicants by 25.0% (Table 6, Figure 7).

Table 6. Applications for Utility Models in the First Quarter from 2020 to 2024¹

	2020	2021	2022	2023	2024 ²	2024 to 2023
Total	1,446	961	483	689	964	139.9%
Under the national procedure	1,441	961	482	687	963	140.2%
By residents	1,390	939	466	671	943	140.5%
By non-residents	51	22	16	16	20	125.0%
Under the PCT procedure	5	-	1	2	1	50.0%
Including resident applicants	-	-	-	1	-	-

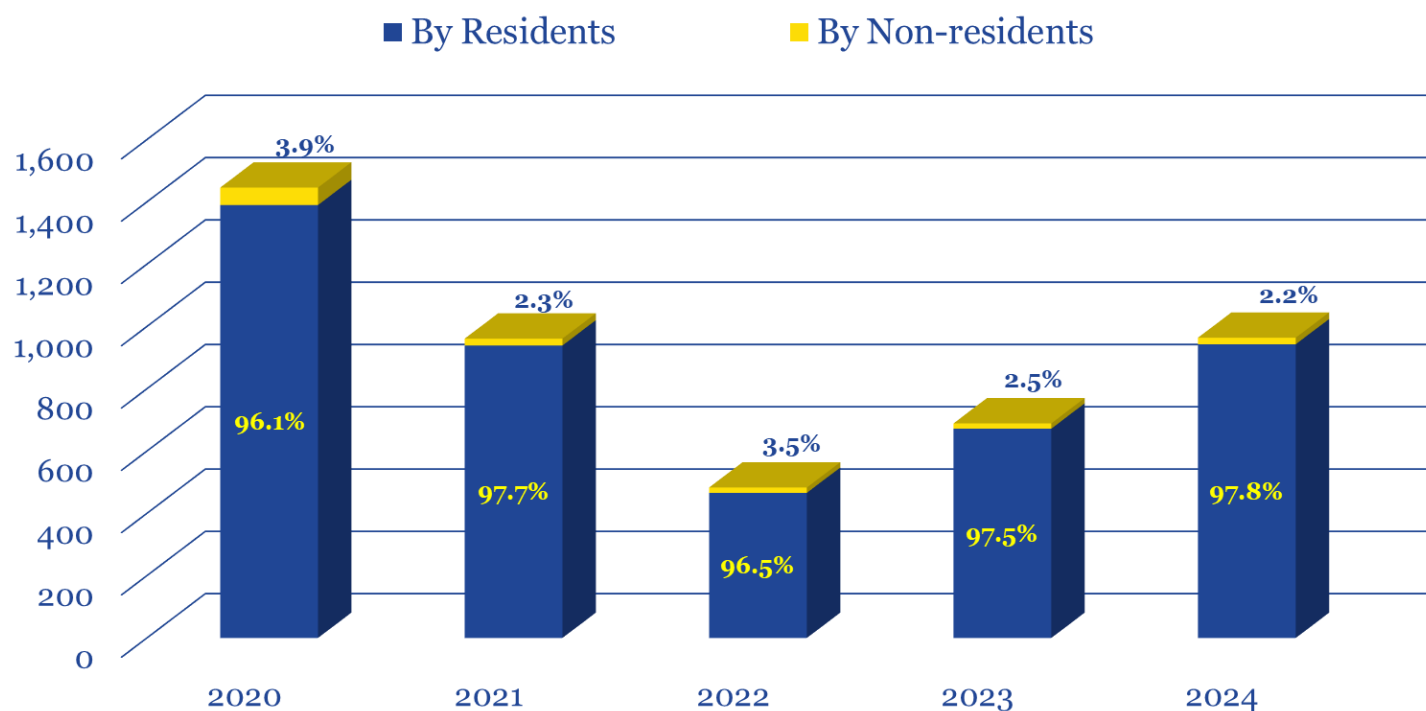


Figure 7. Dynamics of Applications for Utility Models in the First Quarter from 2020 to 2024

In the first quarter of 2024, the number of utility model patents granted to residents increased (by 50.5%) as well as to non-residents (by 337.5%) (Table 7, Figure 8).

Table 7. Utility Models Registrations in the First Quarter from 2020 to 2024

	2020	2021	2022	2023	2024	2024 to 2023
Total	1,942	1,256	615	521	807	154.9%
To residents	1,915	1,183	603	513	772	150.5%
To non-residents	27	73	12	8	35	437.5%

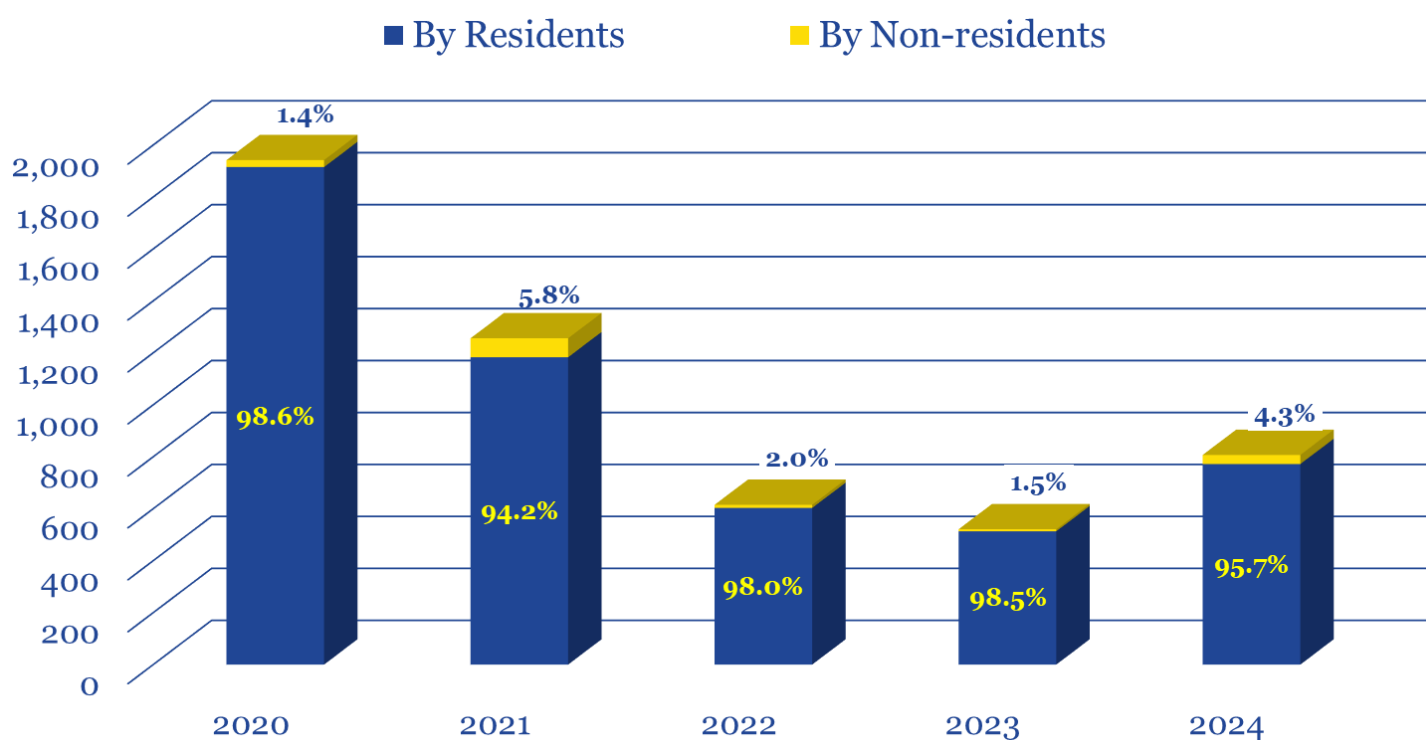


Figure 8. Dynamics of Utility Models Registrations in the First Quarter from 2020 to 2024

4. Industrial Designs

In the first quarter of 2024, the total number of industrial design applications remained unchanged as compared to the first quarter of 2023, although the activity of national applicants increased: the number of applications increased by 16.1%. As for foreign applicants – activity has been consistently low in recent years (Table 8, Figure 9).

Table 8. Applications for Industrial Designs (under the National Procedure) in the First Quarter from 2020 to 2024¹

	2020	2021	2022	2023	2024 ²	2024 to 2023
Total	586	484	331	257	258	100.4%
By residents	503	439	296	205	238	116.1%
By non-residents	83	45	35	52	20	38.5%

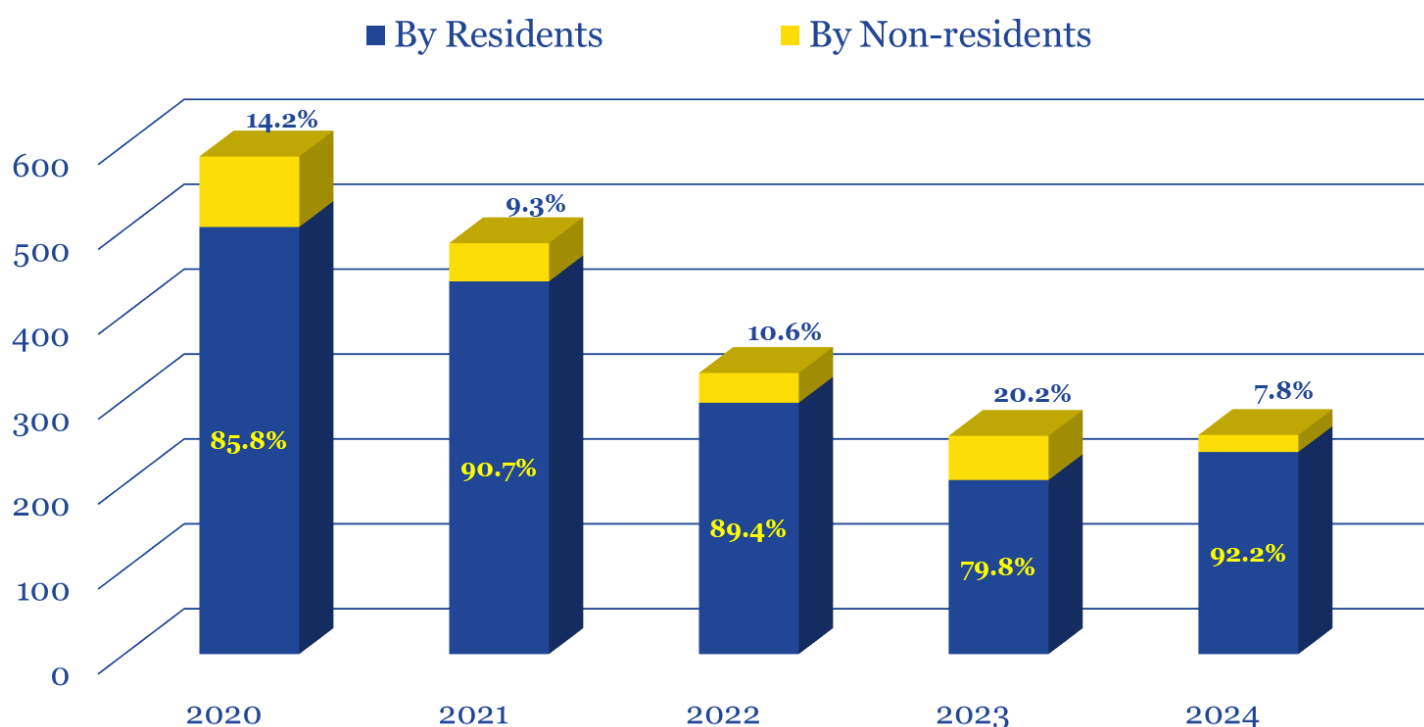


Figure 9. Dynamics of Industrial Designs Applications (under the National Procedure) in the First Quarter from 2020 to 2024

After a sharp decline in 2022 and 2023, in the current year there was a significant increase in the number of registered industrial designs (282 vs. 119 in 2023). The increase in the number of registrations from residents is particularly noticeable – by 135.2% (Table 9, Figure 10).

Table 9. Industrial Design Registrations (under the National Procedure) in the First Quarter from 2020 to 2024

	2020	2021	2022	2023	2024	2024 to 2023
Total	388	600	206	119	282	237.0%
To residents	355	539	196	105	247	235.2%
To non-residents	33	61	10	14	35	250.0%

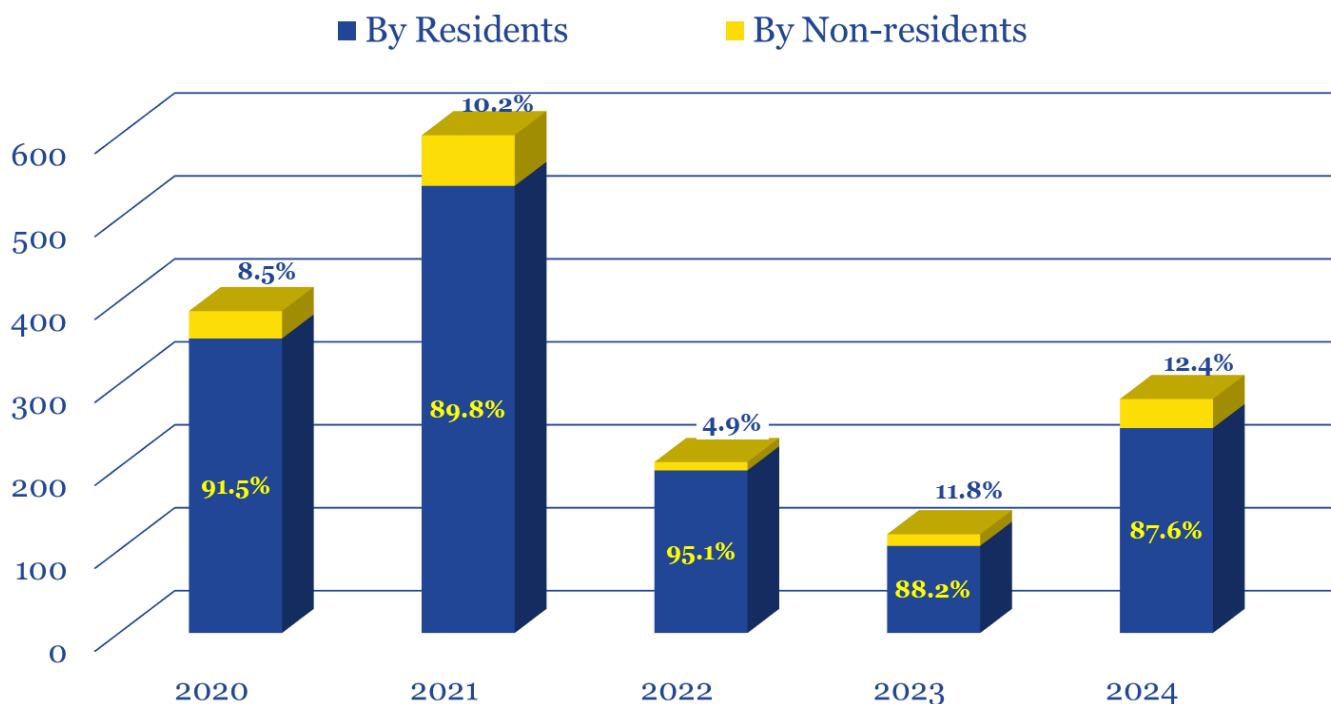


Figure 10. Dynamics of Industrial Design Registrations (under the National Procedure) in the First Quarter from 2020 to 2024

5. Trademarks

The first quarter of 2024 demonstrates the economic recovery and increased interest in brand protection in Ukraine among both resident and non-resident applicants. Compared to the numbers of the previous years, the dynamics of trademark filing fluctuates somewhat in the first quarters, but after a significant decline in 2022, the filings rate is gradually increasing. In the reporting period, the number of filed applications reached 6,524, which is 33.9% more than in the corresponding quarter of 2023 (4,872 applications). The increase in activity is generally due to an increase in the number of applications from national applicants: from 4,364 in 2023 to 5,766 in 2024. Non-resident applicants demonstrate stable, albeit less active, dynamics in filing applications, which signifies interest in the Ukrainian market, but with some caution: the number of applications from non-residents increased by 49.2%, from 508 to 758 (Table 10, Figure 11).

Table 10. Trademark Applications (under the National Procedure) in the First Quarter from 2020 to 2024¹

	2020	2021	2022	2023	2024 ²	2024 to 2023
Total	6,462	7,610	4,501	4,872	6,524	133.9%
By residents	5,474	6,573	3,746	4,364	5,766	132.1%
By non-residents	988	1,037	755	508	758	149.2%

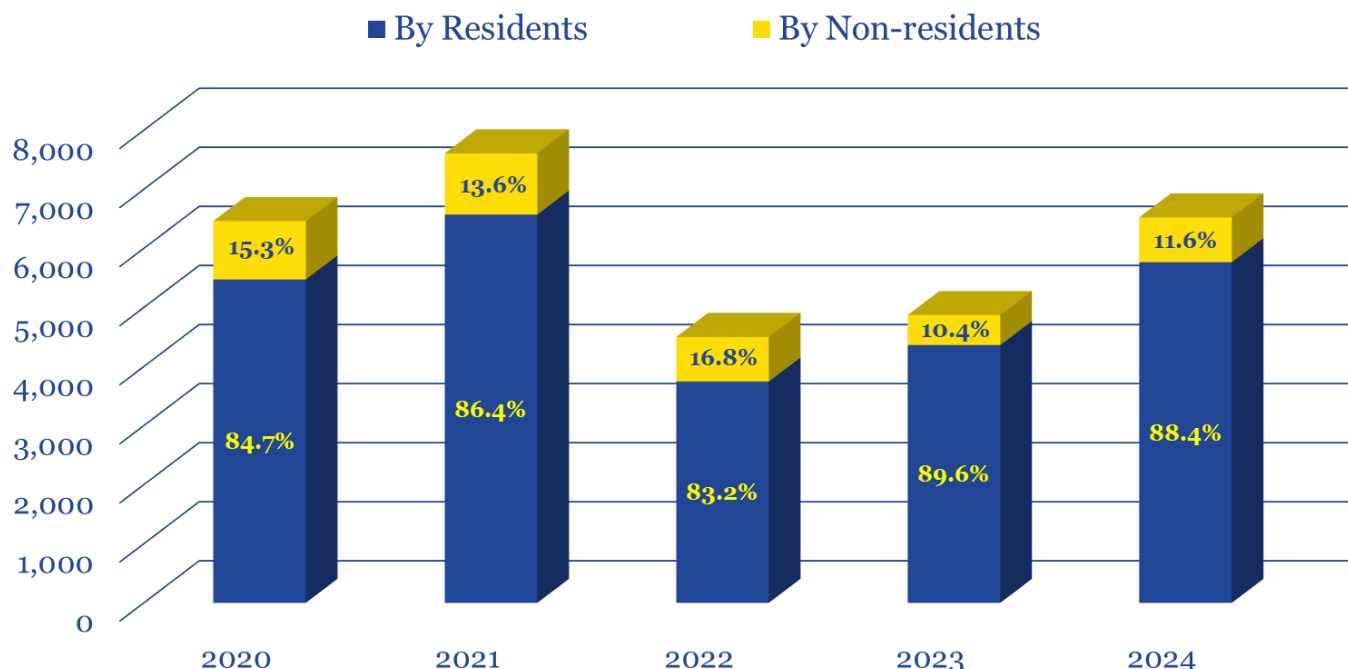


Figure 11. Dynamics of Trademark Applications (under the National Procedure) in the First Quarter from 2020 to 2024

Among non-resident applicants, the United States and Cyprus continue to be the leaders in filing trademark applications. A considerable number of applications were also filed by applicants from Switzerland, the United Kingdom and China (Figure 12, Annex 13).

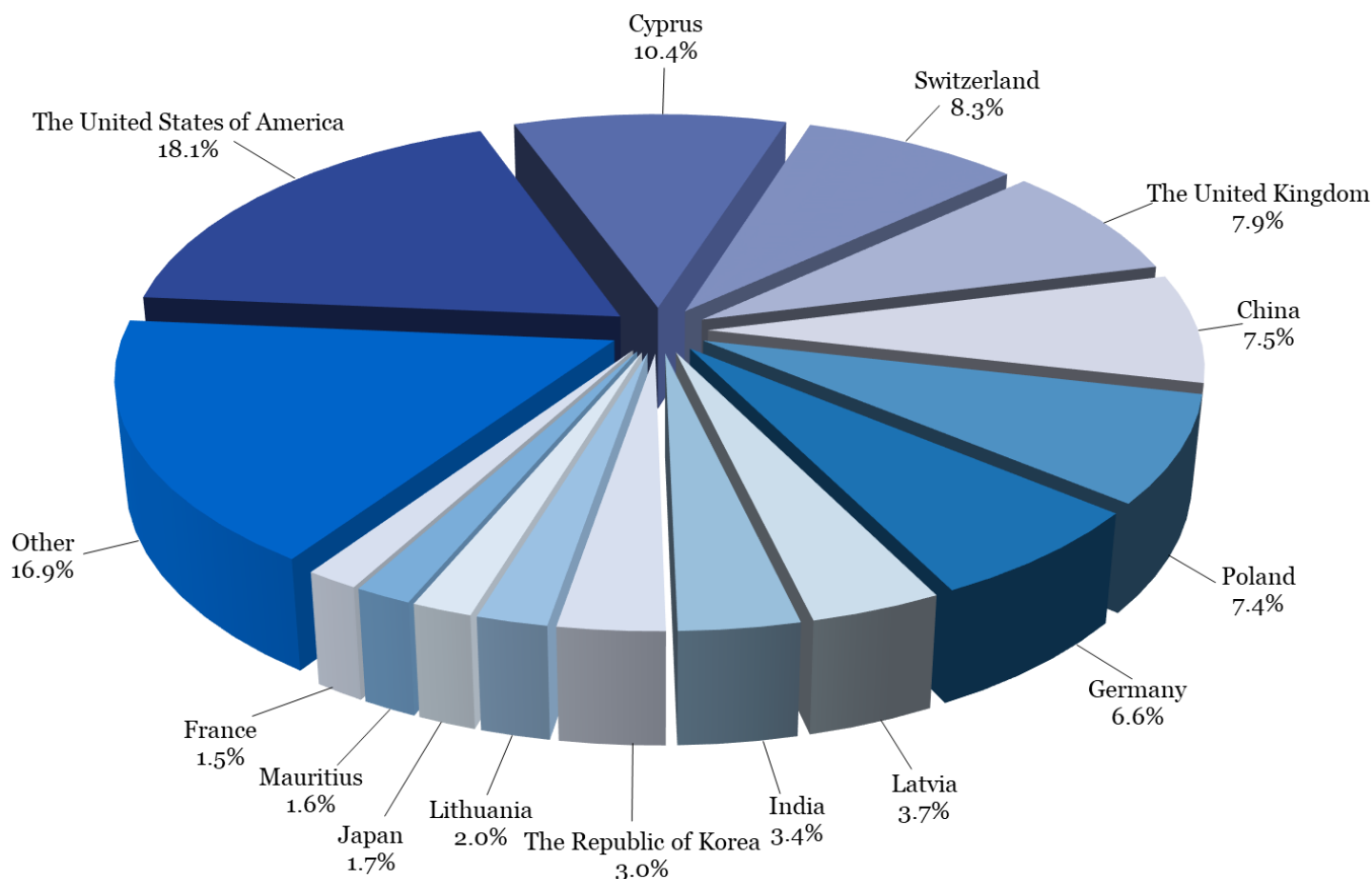


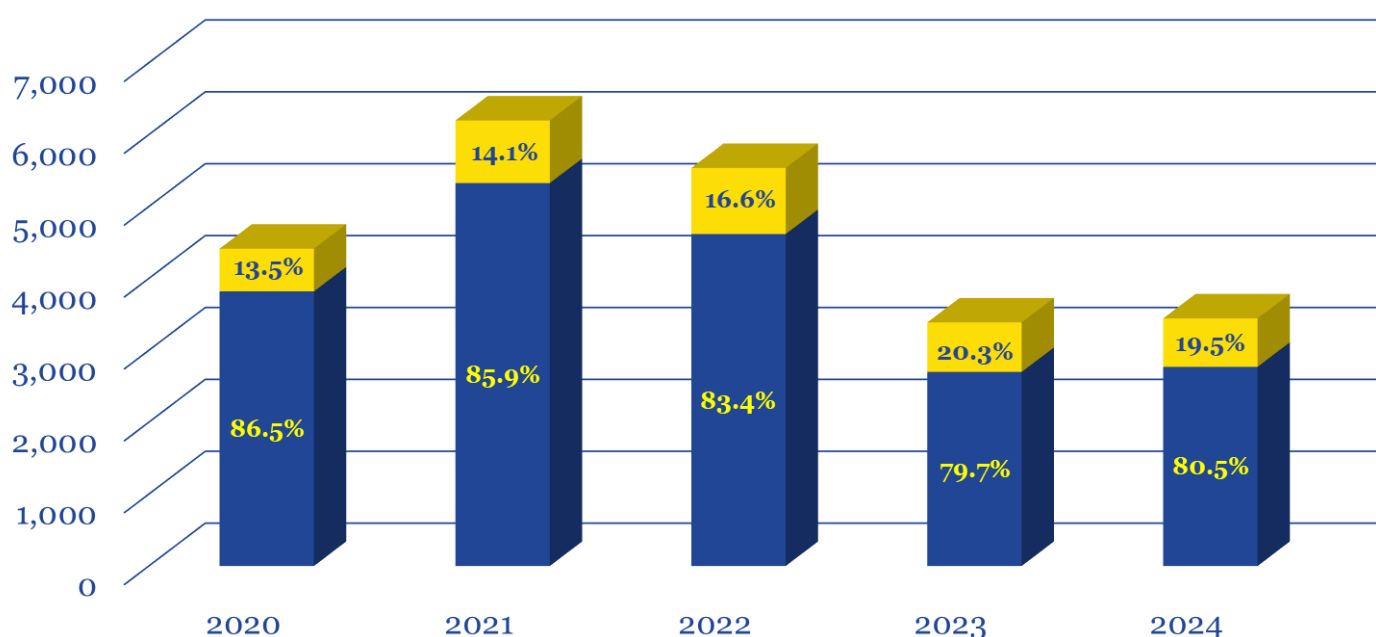
Figure 12. Trademark Applications (under the National Procedure) by Non-residents by Origin in the First Quarter of 2024

The dynamic of trademark registration under the national procedure has somewhat stabilized after the decline and the indicators for the first quarters of 2023 and 2024 are quite similar: 3,388 and 3,444. The number of registered trademarks in the name of resident applicants shows a similar trend: in the first quarter of 2024, the indicator slightly increased to 2,771, which is 2.7% more than in the first quarter of the previous year. As for non-resident applicants, the number of registered trademarks amounted to 673, which is 2.3% less than in the first quarter of 2023 (689 registrations) (Table 11, Figure 13).

**Table 11. Trademark Registrations (under the National Procedure)
in the First Quarter from 2020 to 2024**

	2020	2021	2022	2023	2024	2024 to 2023
Total	4,414	6,198	5,537	3,388	3,444	101.7%
By residents	3,820	5,327	4,618	2,699	2,771	102.7%
By non-residents	594	871	919	689	673	97.7%

■ By Residents ■ By Non-residents



**Figure 13. Dynamics of Trademark Registrations (under the National Procedure)
in the First Quarter from 2020 to 2024**

6. Copyright

In the first quarter of 2024, the number of filed applications for registration of copyright in a work continues to grow. The number of applications for registration of copyright in a work increased by 24.6% compared to the corresponding period of last year. The number of filed applications for registration of contracts relating to the author's right in a work slightly decreased by 6.5% compared to the indicator of the previous year (Table 12, Figure 14).

Table 12. Applications for Registration of Copyright and Contracts Relating to the Author's Right in a Work in the First Quarter from 2020 to 2024

	2020	2021	2022	2023	2024 ²	2024 to 2023
Copyright in a Work	1,671	1,985	1,548	2,179	2,715	124.6%
Contracts Relating to the Author's Right in a Work	79	103	47	93	87	93.5%

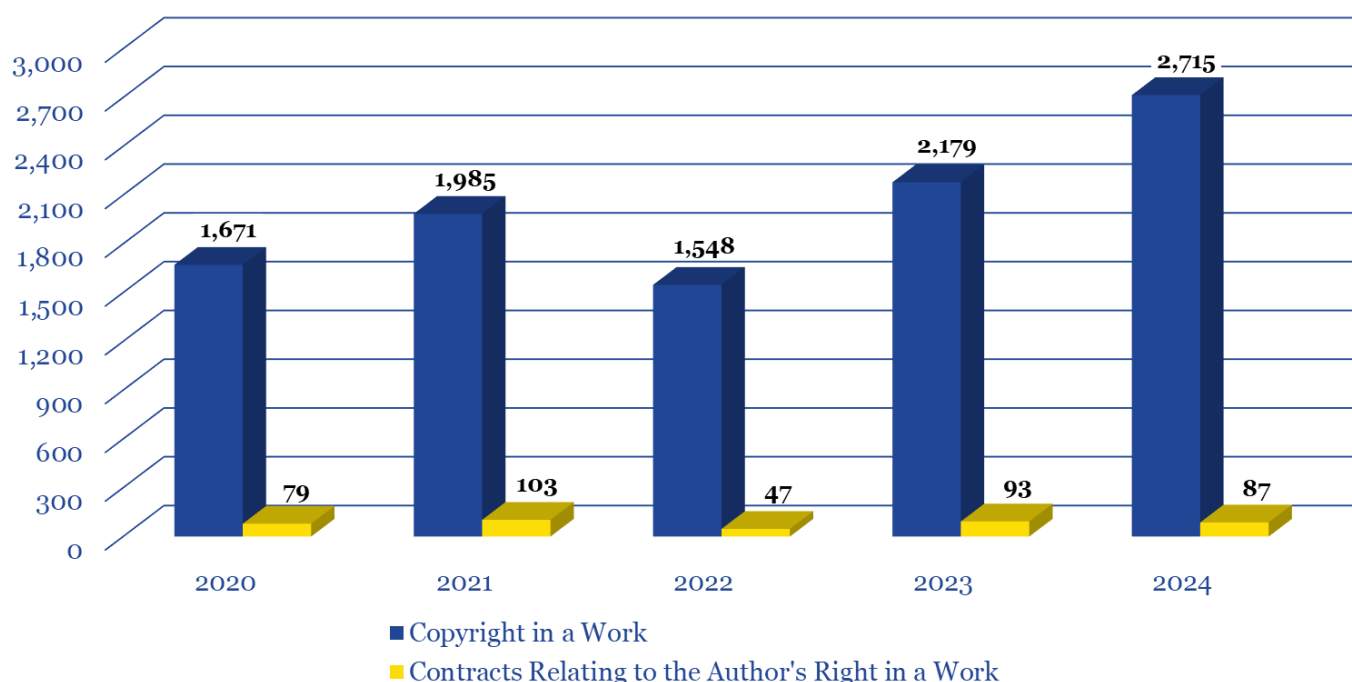


Figure 14 Dynamics of Applications for Registration of Copyright and Contracts Relating to the Author's Right in a Work in the First Quarter from 2020 to 2024

The rates of registration of copyright in a work also show an increase of 28.7%, while the rates of registration of contracts relating to the author's right in a work – slight decrease of 6.4% (Table 13, Figure 15).

Table 13. Registrations of Copyright and Contracts Relating to the Author's Right in a Work in the First Quarter from 2020 to 2024

	2020	2021	2022	2023	2024 ²	2024 to 2023
Copyright in a Work	1,884	2,090	1,828	2,129	2,740	128.7%
Contracts Relating to the Author's Right in a Work	83	97	41	125	117	93.6%

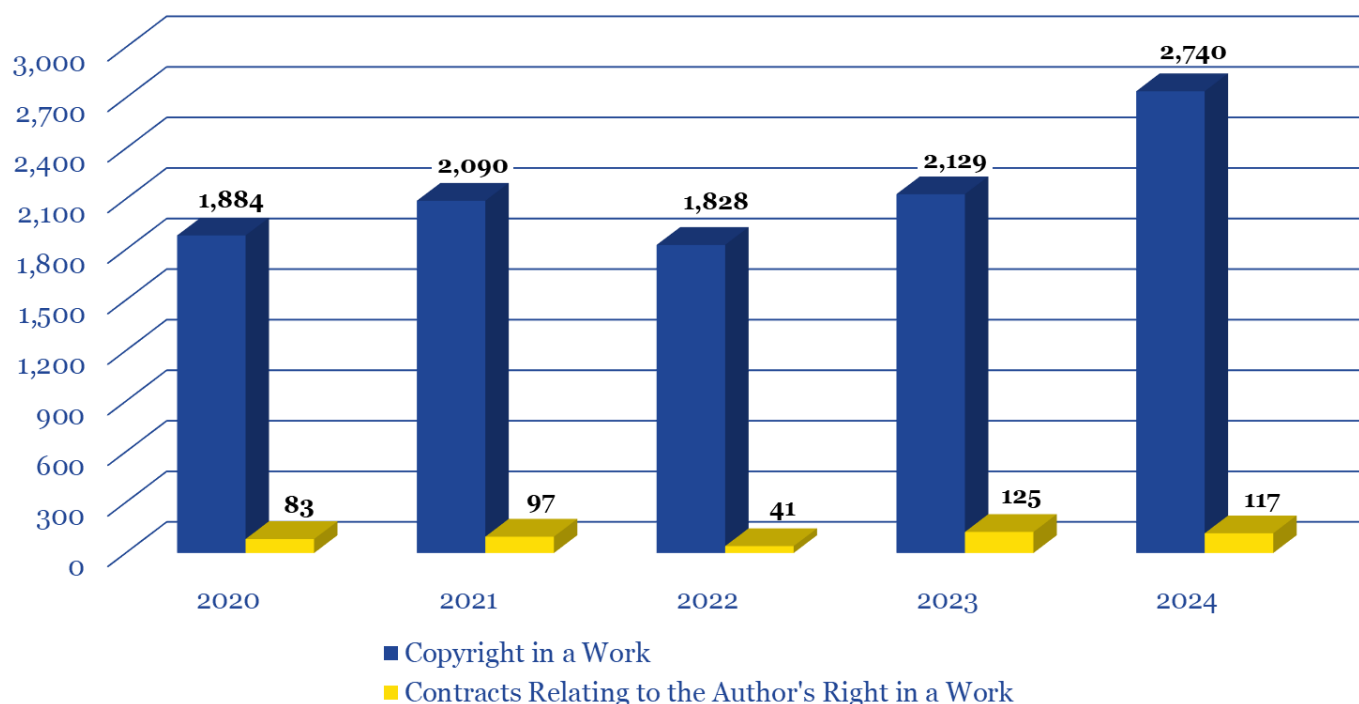


Figure 15. Dynamics of Registrations of Copyright and Contracts Relating to the Author's Right in a Work in the First Quarter from 2020 to 2024

In the distribution of the state registrations of copyright in a work by subject matter, literary works account for the lion's share of the total number and make up 67.2%, illustrations – 8.6%, computer programs – 6.9%, works of fine art – 5.2%, musical works – 4.5%, composite works – 4.1%, works of applied art – 1.0% and other works – 2.5% (Figure 16).

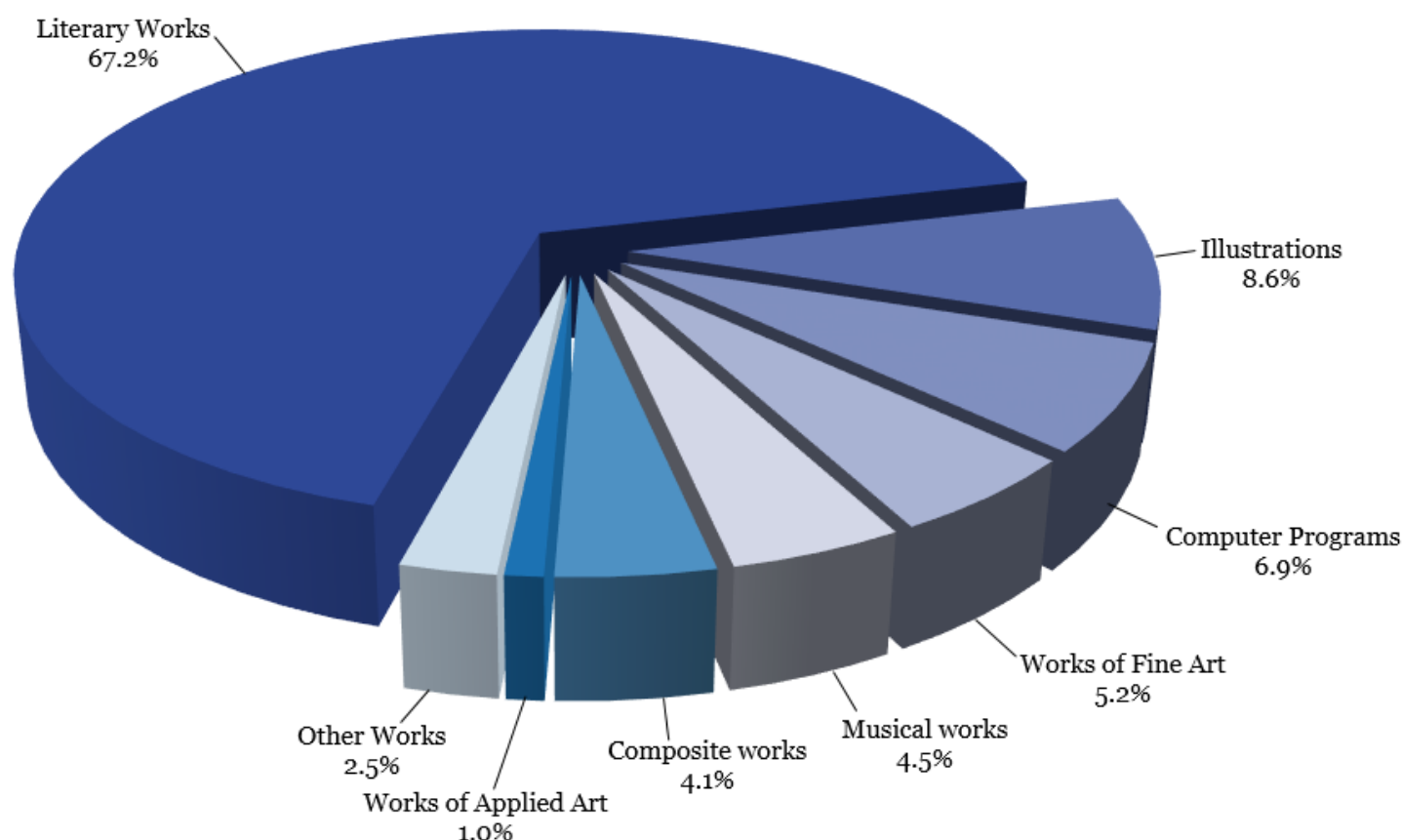


Figure 16. State Registrations of Copyright by Subject Matter in the First Quarter of 2024

II. Analysis of Inventive Activity of National Applicants

1. Applications for Inventions and Utility Models

The development of innovation is one of the key factors of economic growth and competitiveness of the national economy. Inventive activity, as an important component of innovation, reflects the ability of research institutions, enterprises and individual inventors to create new technical solutions that can be applied in various sectors of economy. The total number of applications for inventions and utility models filed by residents in the first quarter of 2024 amounted to 1,149, which is 33.1% more than in the first quarter of 2023. These include 206 filed applications for inventions, which is 7.9% more than in the previous year. The number of applications filed by legal entities increased by 18.0%, while those filed by individuals decreased by 3.3%. An even greater increase was observed in utility model applications (40.3%): by 52.9% from legal entities and by 20.2% from individuals (Table 14, Figure 17).

Table 14. Inventions and Utility Models Applications by Residents in the First Quarter from 2020 to 2024¹

	2020	2021	2022	2023	2024 ²	2024 to 2023
Total	1,707	1,223	608	863	1,149	133.1%
Inventions, including	317	284	142	191	206	107.9%
legal entities	136	149	82	100	118	118.0%
individuals	181	135	60	91	88	96.7%
Utility models, including	1,390	939	466	672	943	140.3%
legal entities	886	548	271	414	633	152.9%
individuals	504	391	195	258	310	120.2%

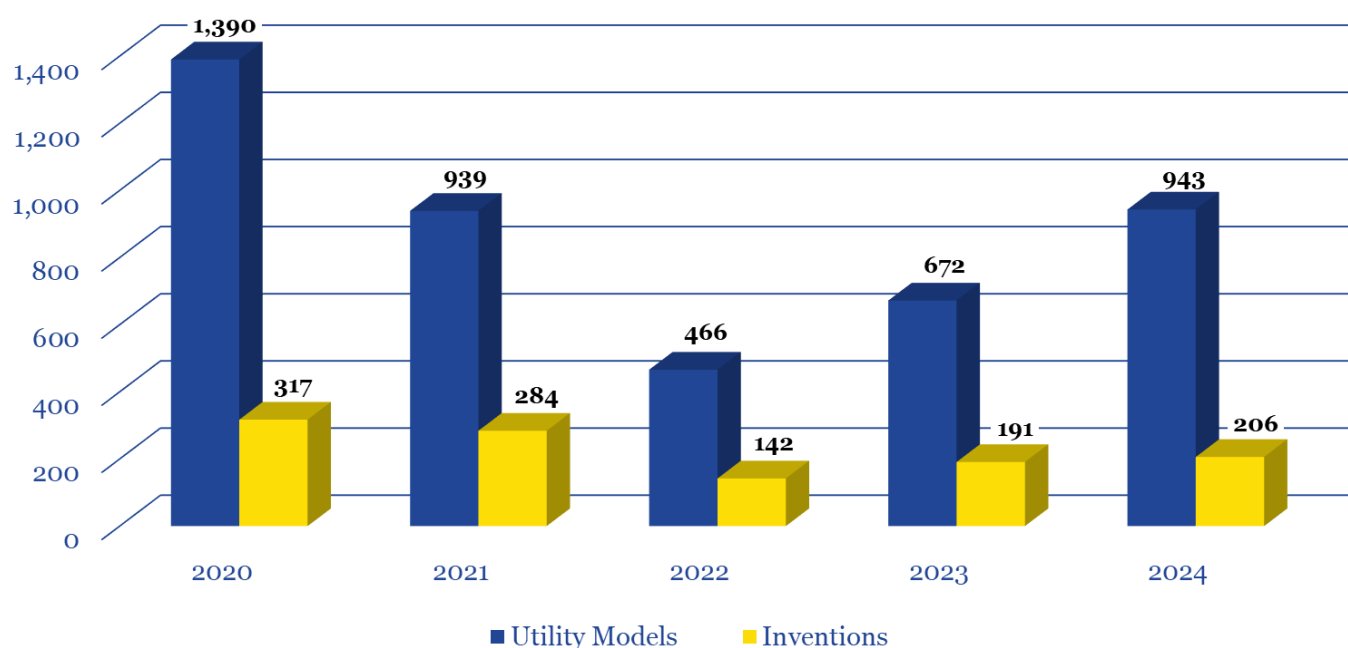


Figure 17. Dynamics of Inventions and Utility Models Applications by Residents in the First Quarter from 2020 to 2024

Distribution of applications for inventions and utility models from resident legal entities in the first quarter of 2020-2024 categorized by economic activities and by government authorities is presented in annexes 3, 4, 5, 6.

Higher educational institutions and scientific organizations with the highest inventive activity are presented in annexes 7, 8.

The most active applicants among higher educational institutions under the Ministry of Education and Science of Ukraine in 2024 were (Figure 18):

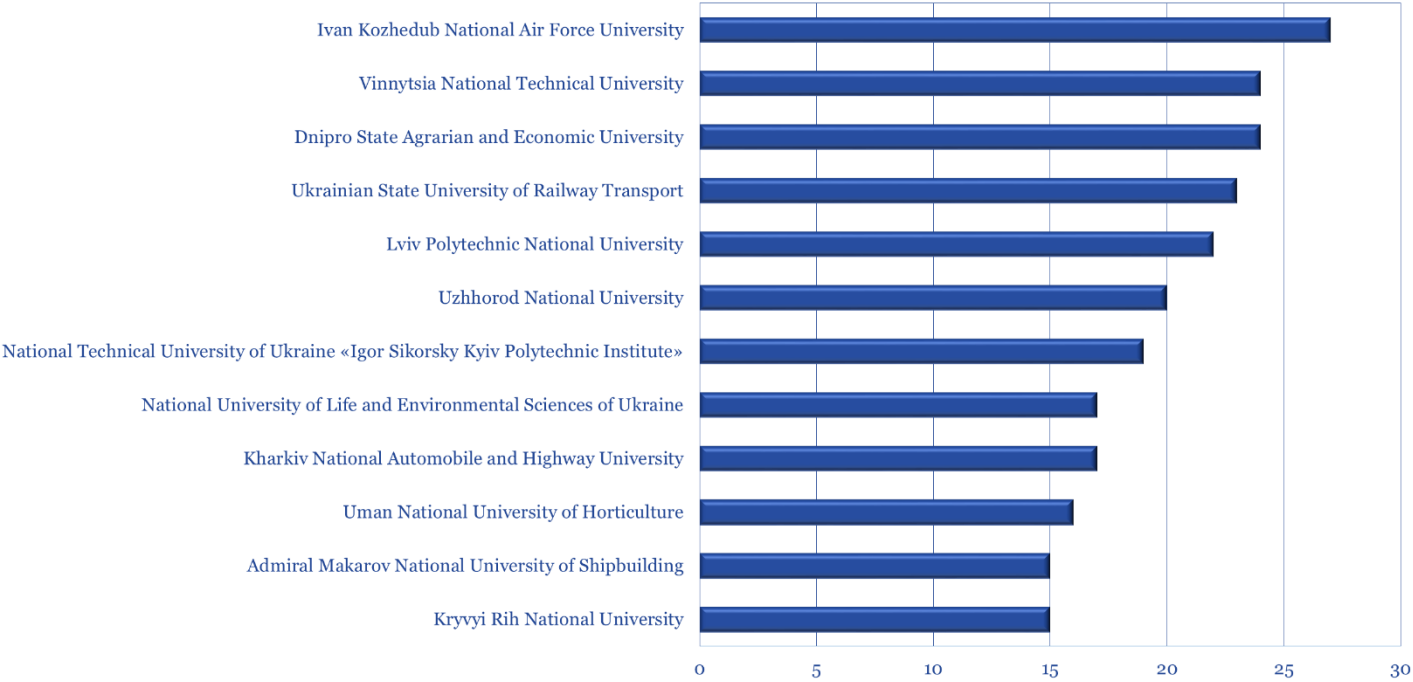


Figure 18. Higher Educational Institutions under the Ministry of Education and Science of Ukraine with the Highest Inventive Activity in the First Quarter of 2024

Among institutions of the National Academy of Sciences (NAS) of Ukraine with the highest inventive activity in 2024 were (Figure 19):

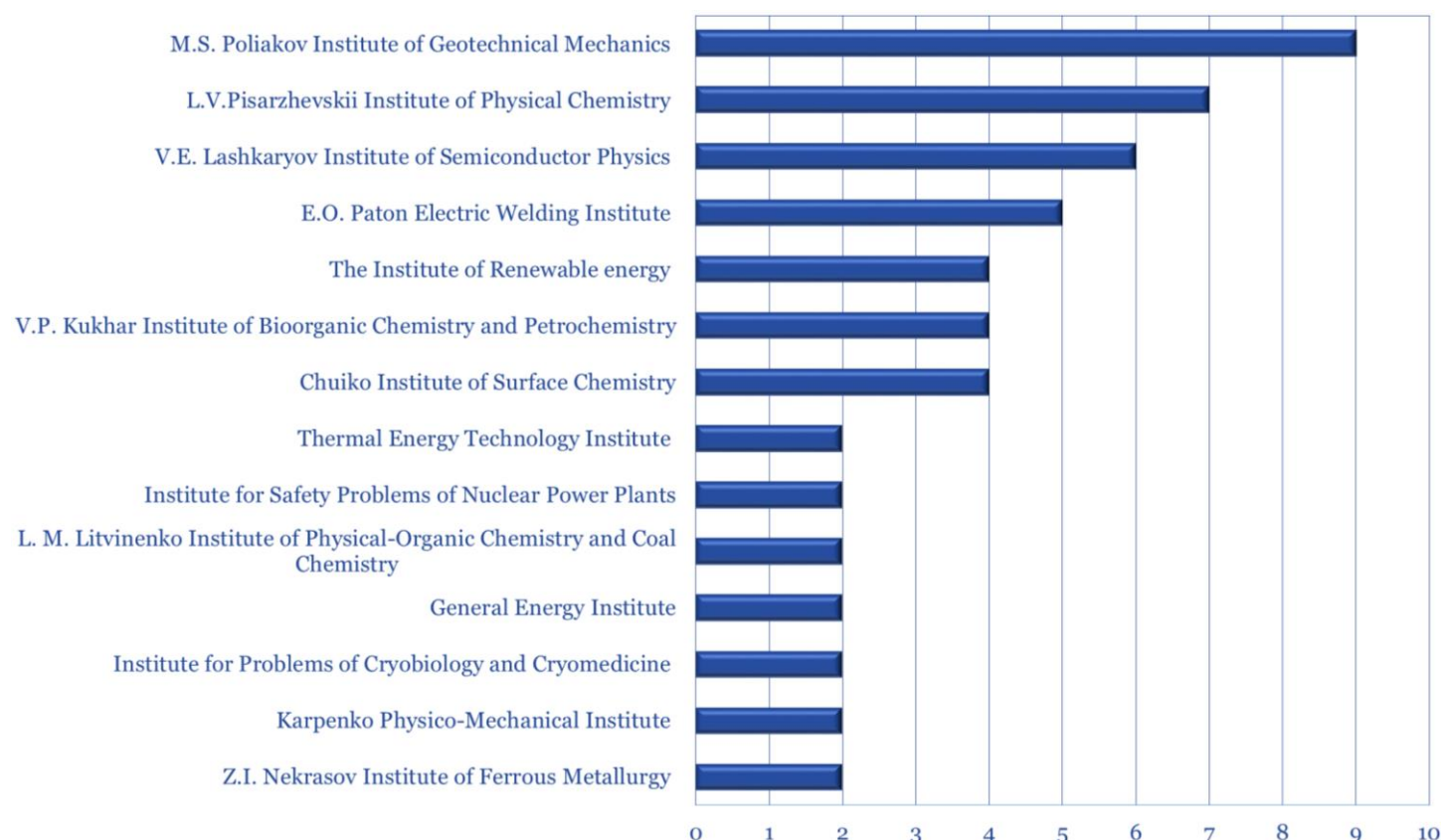


Figure 19. Institutions of NAS of Ukraine with the Highest Inventive Activity in the First Quarter of 2024

In the regional distribution (Figure 20, Annexes 9 and 10), Kyiv City is the undisputed leader in the number of applications for inventions and utility models filed – 290 applications (25.2% of the total number of applications filed by resident applicants).

Other leaders include the following regions:

- Kharkiv – 208 applications (18.1%);
- Dnipropetrovsk – 118 applications (10.3%);
- Lviv – 72 applications (6.3%);
- Vinnytsia – 43 applications (3.7%);
- Donetsk – 42 applications (3.7%);
- Kyiv and Ternopil regions – 38 applications (3.3%);
- Odesa – 36 applications (3.1%);
- Poltava – 35 applications (3.0%).

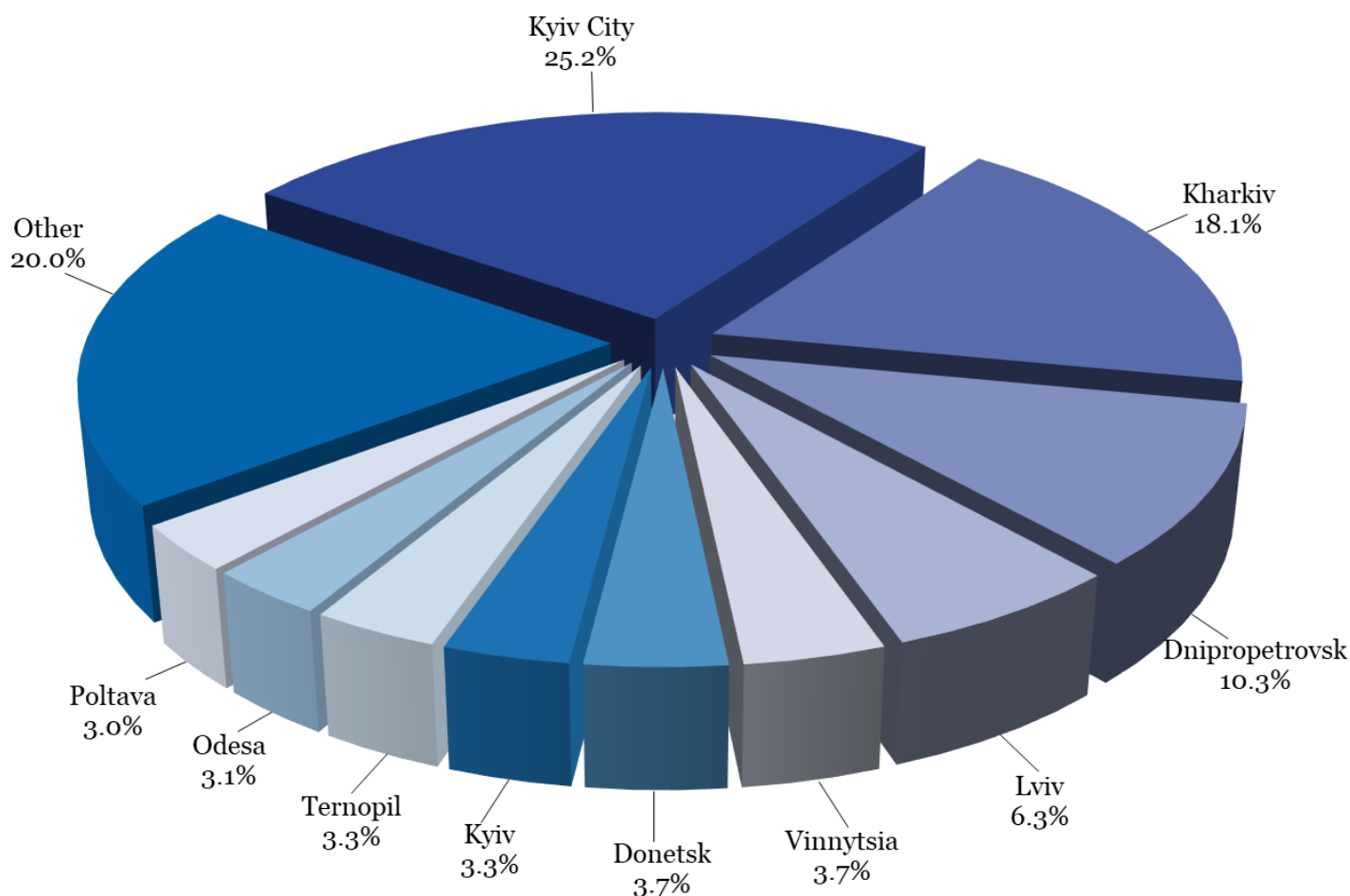


Figure 20. Applications for Inventions and Utility Models by Regions of Ukraine in the First Quarter of 2024

2. Registration of Inventions and Utility Models

In the first quarter of 2024, the total number of registered inventions and utility models in the name of resident applicants (Table 15, Figure 21) increased by 35% compared to the same period of the previous year, due to an increase in the number of registered utility models (by 50.5%).

Table 15. Inventions and Utility Models Registrations by Residents in the First Quarter from 2020 to 2024

	2020	2021	2022	2023	2024	2024 to 2023
Total	2,163	1,499	781	649	876	135.0%
Inventions, including	248	316	178	136	104	76.5%
legal entities	159	204	112	96	85	88.5%
individuals	89	112	66	40	19	47.5%
Utility models, including	1,915	1,183	603	513	772	150.5%
legal entities	1,269	744	363	386	468	121.2%
individuals	646	439	240	127	304	239.4%

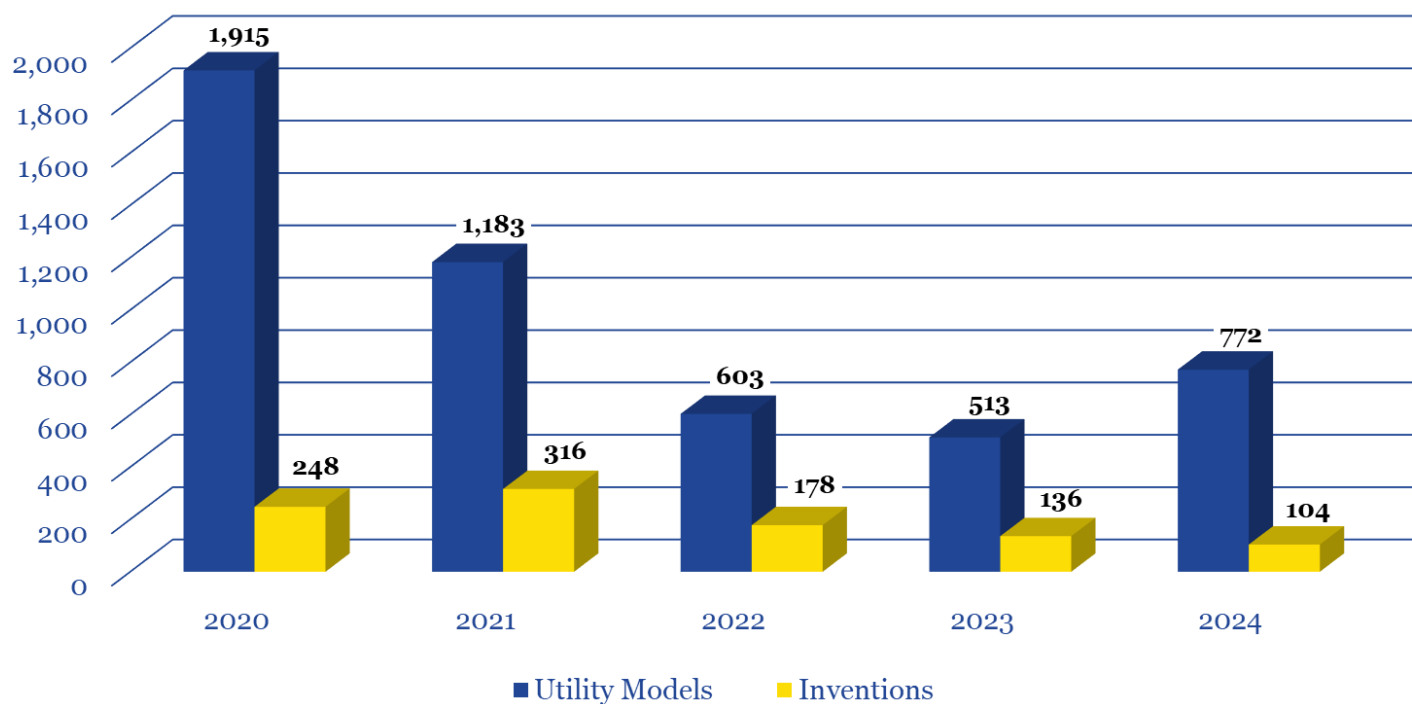


Figure 21. Dynamics of Inventions and Utility Models Registrations by Residents in the First Quarter from 2020 to 2024

Distribution of registrations for inventions and utility models by regions of Ukraine in the first quarter of 2020-2024 is presented in annex 11.

Distribution of registrations for inventions and utility models from resident legal entities in the first quarter of 2020-2024 categorized by economic activities is presented in annex 12.

III. Business Activity Analysis

Trademarks serve a key role in building and maintaining brands, which in turn helps to strengthen the competitiveness of enterprises both in the national and international markets.

Trademarks are an important asset for a company because they create identity and differentiation of products and services, and help consumers easily recognize products, building loyalty and trust in brand, which in turn has a positive impact on its value.

Trademark registration allows businesses to protect their commercial interests, avoid legal conflicts and ensure a long-term brand development strategy.

1. Resident and Non-Resident Applicants with the Highest Number of Filed Applications for Trademarks

The indicators of the first quarter of 2024 show an increased activity of both resident (by 32.1%) and non-resident applicants under the national procedure (by 49.2%). More than a quarter of the total number of applications was filed by non-resident applicants (25.9%), which corresponds to the trend of the first quarter of 2023, and the ratio of applications filed by foreign applicants under the national procedure and the Madrid system remains similar: about a third of applications were filed under the national procedure (37.6%) and under the Madrid system (62.4%) (Table 16, Figure 22).

Table 16. Applications for Trademarks in the First Quarter from 2020 to 2024¹

	2020	2021	2022	2023	2024 ²	2024 to 2023
Total	8,514	9,485	6,588	6,319	7,782	123.2%
By residents						
under the national procedure	5,474	6,573	3,746	4,364	5,766	132.1%
By non-residents						
under the national procedure	988	1,037	755	508	758	149.2%
under the Madrid system	2,052	1,875	2,087	1,447	1,258	86.9%

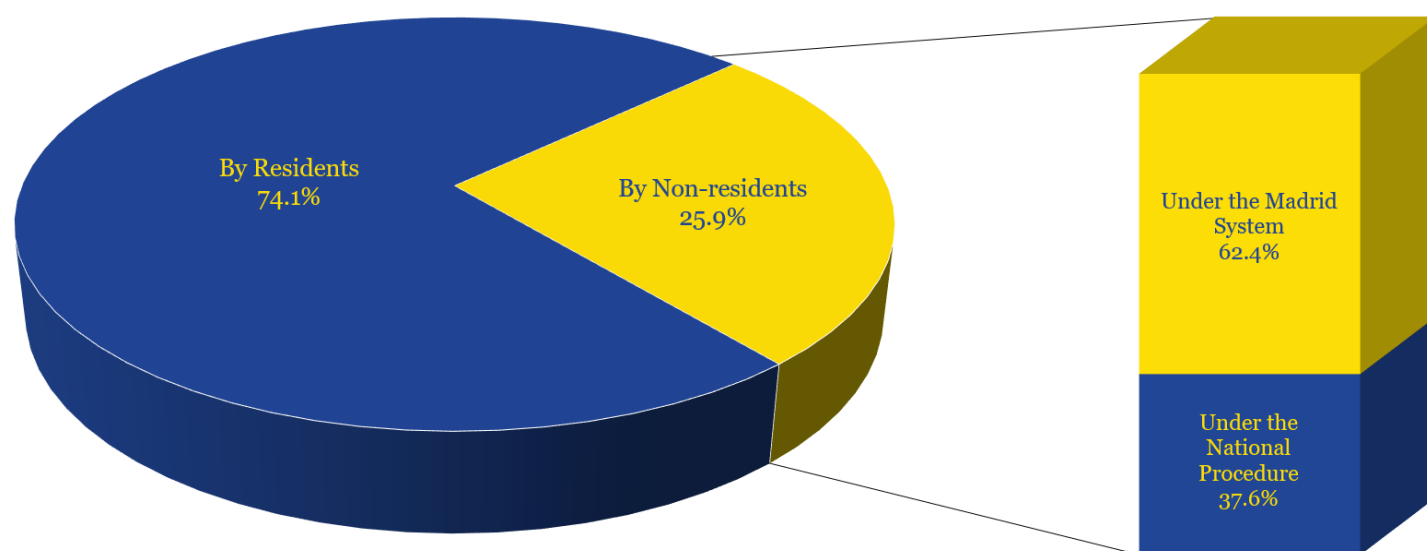


Figure 22. Correlation between Resident and Non-resident Applicants in the First Quarter of 2024

2. Business Activity Priorities based on the Nice Classification

In the first quarter of 2024, the largest number of trademarks applications under the national procedure was filed under the Class 35 of the Nice Classification (2,451 applications), which primarily includes services related to business management, operation, organization, and administration of trade or industrial enterprises, as well as advertising, marketing, and sales promotion services (Table 17).

**Table 17. Distribution Priorities of Applications for Trademarks by NCL Classes
under the National Procedure in the First Quarter of 2024**

NCL Class	Class Heading	qty	By Residents	By Non-residents
35	Advertising; business management, organization and administration; office functions.	2,451	2,324	127
41	Education; providing of training; entertainment; sporting and cultural activities.	911	848	63
5	Pharmaceuticals, medical and veterinary preparations; sanitary preparations for medical purposes; dietetic food and substances adapted for medical or veterinary use, food for babies; dietary supplements for human beings and animals; plasters, materials for dressings; material for stopping teeth, dental wax; disinfectants; preparations for destroying vermin; fungicides, herbicides.	738	472	266
43	Services for providing food and drink; temporary accommodation.	484	474	10
30	Coffee, tea, cocoa and substitutes therefor; rice, pasta and noodles; tapioca and sago; flour and preparations made from cereals...	481	450	31
25	Clothing, footwear, headwear.	451	422	29
9	Scientific, research, navigation, surveying, photographic, cinematographic, audiovisual, optical, weighing, measuring, signalling, detecting, testing, inspecting, life-saving and teaching apparatus and instruments...	451	361	90
44	Medical services; veterinary services; hygienic and beauty care for human beings or animals; agriculture, aquaculture, horticulture and forestry services.	445	423	22
42	Scientific and technological services, research and design relating thereto...	443	379	64
3	Non-medicated cosmetics and toiletry preparations; non-medicated dentifrices; perfumery, essential oils; bleaching preparations and other substances for laundry use; cleaning, polishing and abrasive preparations.	363	314	49
Other		4,570	4,019	551

The national enterprises with the highest number of filed applications for trademarks in 2023 (Figure 23):

- Limited Liability Company PHARMIC LTD (Kharkiv)
- Limited Liability Company Aqua-Polyana (Zakarpattia region)
- Limited Liability Company GAMEDEV (Kyiv)
- Joint Stock Company FARMAK (Kyiv)
- Private Joint Stock Company OBOLON (Kyiv)
- Limited Liability Company SPACEIKS (Kyiv)
- Limited Liability Company DELTA MEDICAL (Kyiv region)
- Limited Liability Company Sandora (Mykolayiv region)
- Limited Liability Company GGBET (Kyiv)
- Limited Liability Company ALVIVA UKRAINE (Kyiv)
- Private Joint Stock Company MHP (Kyiv region).

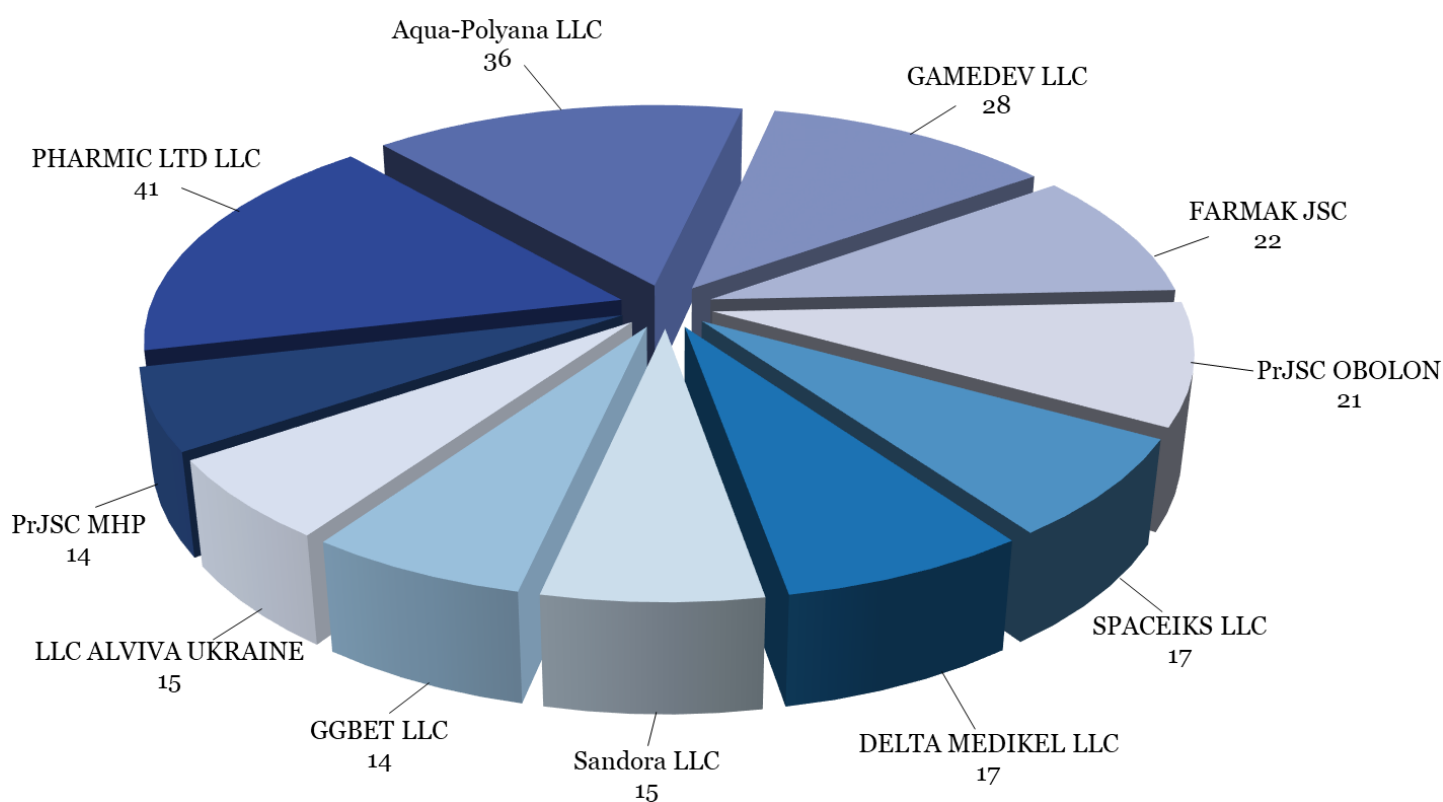


Figure 23. National Enterprises with the Highest Number of Trademark Applications in the First Quarter of 2024

The leading foreign companies in terms of the number of applications for trademarks in the first quarter of 2024 (Figure 24):

GSH Trademarks Limited (Cyprus)

British American Tobacco (Brands) Limited (The United Kingdom)

Adidas AG (Germany)

Stine Seed Farm, Inc. (The USA)

British American Tobacco (Brands) Inc. (The USA)

BISPOL, Sp. z.o.o. (Poland)

Lightspark Group, Inc. (The USA)

L'Oréal (France)

Energy Trade and Transport (ETT) LLC (Cyprus)

Toyota Motor Corporation (Japan).

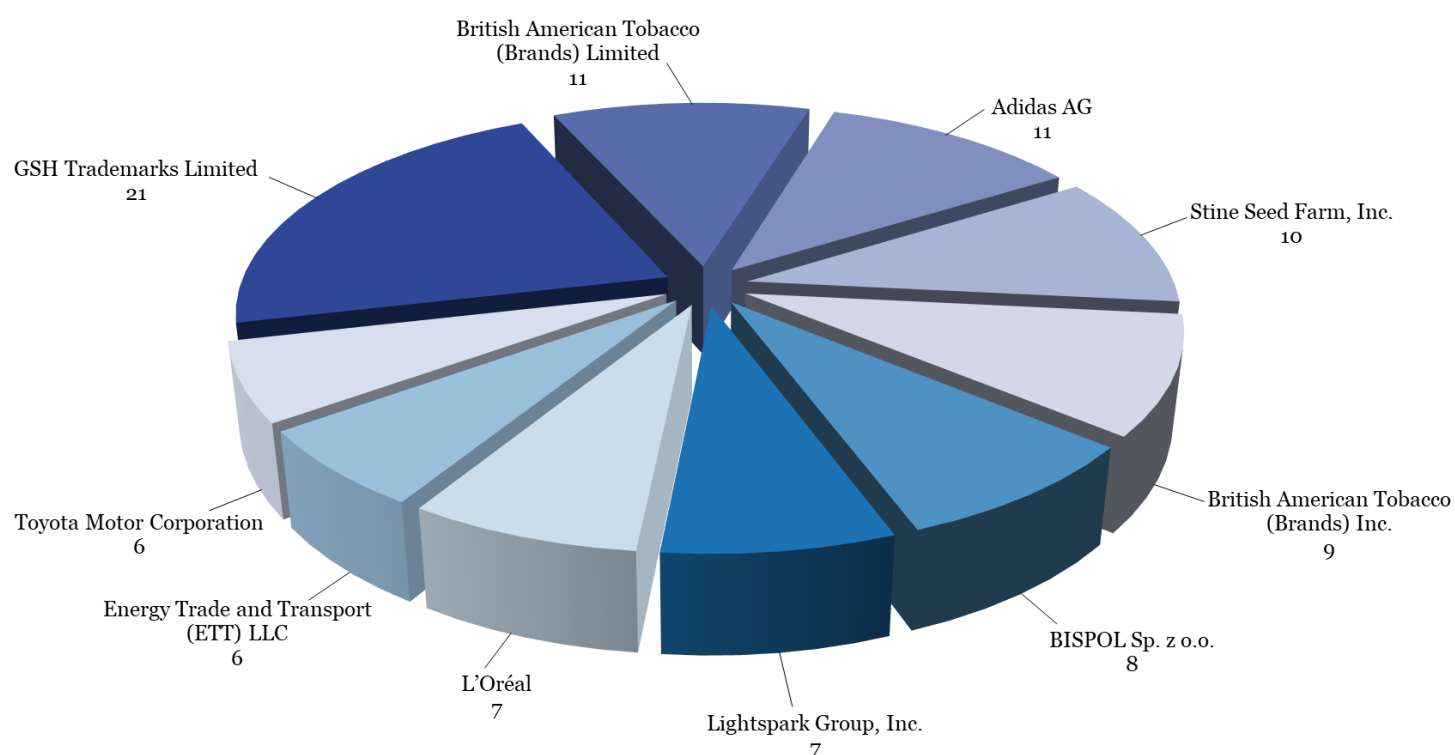


Figure 24. Foreign Companies with the Highest number of Trademark Applications in the First Quarter of 2024

**Distribution of Resident Applications for Inventions by Technology Fields
in the First Quarter from 2020 to 2024¹**

	2020	2021	2022	2023	2024 ²
Total	317	284	142	191	206
<i>Electrical engineering</i>					
Electrical machinery, apparatus, energy	13	11	6	15	3
Audio-visual technology	2	2	1	1	–
Telecommunications	6	3	–	2	3
Digital communication	2	1	–	–	–
Basic communication processes	5	3	1	–	1
Computer technology	5	4	4	6	–
IT methods for management	2	–	1	1	–
Semiconductors	2	1	1	1	–
<i>Instruments</i>					
Optics	–	3	1	–	1
Measurement	19	14	10	12	3
Analysis of biological materials	4	3	1	1	1
Control	9	7	2	2	2
Medical technology	25	15	7	10	5
<i>Chemistry</i>					
Organic fine chemistry	2	9	7	4	3
Biotechnology	3	3	1	3	2
Pharmaceuticals	21	19	7	7	11
Macromolecular chemistry, polymers	2	1	1	–	–
Food chemistry	10	12	4	8	1
Basic materials chemistry	8	8	2	5	3
Materials, metallurgy	16	18	15	16	4
Surface technology, coating	6	10	2	–	6
Micro-structural and nano-technology	2	3	1	4	–
Chemical engineering	20	10	6	11	3
Environmental technology	5	7	4	8	4
<i>Mechanical engineering</i>					
Handling	12	11	4	1	2
Machine tools	9	8	7	8	4
Engines, pumps, turbines	24	12	5	10	5
Textile and paper machines	–	2	1	3	1
Other special machines	20	20	16	13	15
Thermal processes and apparatus	11	3	2	6	2
Mechanical elements	9	5	2	3	–
Transport	10	14	4	6	6
<i>Others</i>					
Furniture, games	8	5	3	5	2
Other consumer goods	3	2	1	2	–
Civil engineering	8	20	8	9	5
Unknown	14	15	4	8	108

**Distribution of Non-resident Applications for Inventions by Technology Fields
in the First Quarter from 2020 to 2024¹**

	2020	2021	2022	2023	2024 ²
Total	386	440	440	480	412
<i>Electrical engineering</i>					
Electrical machinery, apparatus, energy	7	5	9	8	8
Audio-visual technology	1	6	8	—	1
Telecommunications	1	1	1	—	3
Digital communication	6	2	8	1	1
Basic communication processes	—	—	—	—	1
Computer technology	10	6	5	9	2
IT methods for management	5	6	5	3	2
Semiconductors	—	—	—	—	—
<i>Instruments</i>					
Optics	1	—	—	—	1
Measurement	3	4	5	8	4
Analysis of biological materials	3	3	3	9	3
Control	1	2	3	3	—
Medical technology	7	5	9	8	4
<i>Chemistry</i>					
Organic fine chemistry	42	38	53	43	30
Biotechnology	24	47	46	41	43
Pharmaceuticals	82	110	92	87	52
Macromolecular chemistry, polymers	4	3	4	4	1
Food chemistry	16	9	18	9	13
Basic materials chemistry	31	31	33	32	38
Materials, metallurgy	18	14	20	25	20
Surface technology, coating	10	7	4	5	5
Micro-structural and nano-technology	—	—	1	—	—
Chemical engineering	10	8	11	14	11
Environmental technology	4	5	2	4	2
<i>Mechanical engineering</i>					
Handling	6	7	4	12	7
Machine tools	6	5	4	3	6
Engines, pumps, turbines	9	7	9	5	2
Textile and paper machines	4	2	2	5	6
Other special machines	20	21	22	18	21
Thermal processes and apparatus	6	5	5	4	3
Mechanical elements	9	6	9	3	4
Transport	7	6	4	13	7
<i>Others</i>					
Furniture, games	4	5	1	4	3
Other consumer goods	18	46	25	85	50
Civil engineering	9	16	12	13	11
Unknown	2	2	3	2	47

**Distribution of Resident Applications for Inventions from Legal Entities by Economic Activities
in the First Quarter from 2020 to 2024¹**

	2020	2021	2022	2023	2024²
Total	136	149	82	100	118
Agriculture, forestry and fishing	—	—	—	—	—
Mining and quarrying	—	—	—	—	—
Manufacturing, including	6	6	4	3	6
Manufacture of food products, beverages and tobacco	—	1	—	—	—
Manufacture of textiles and textile products, leather and leather products	—	—	—	1	—
Manufacture of wood and wood products, paper and paper products; publishing and printing	—	—	1	—	—
Manufacture of coke and refined petroleum products	—	—	—	—	—
Manufacture of chemicals and chemical products	—	2	1	—	1
Manufacture of basic pharmaceutical products and pharmaceutical preparations	1	—	—	—	—
Manufacture of rubber and plastic products	—	—	—	—	1
Manufacture of fabricated metal products, except machinery and equipment	—	—	1	—	—
Manufacture of computer, electronic and optical products	2	—	—	—	1
Manufacture of electrical equipment	2	—	—	—	1
Manufacture of machinery and equipment n.e.c.	—	3	1	1	2
Manufacture of motor vehicles, trailers and semi-trailers and other transport equipment	1	—	—	—	—
Manufacture of furniture, Other products, Repair and installation of machinery and equipment	—	—	—	1	—
Electricity, gas, steam and air conditioning supply	—	—	—	—	—
Water supply; sewerage, waste management and remediation activities	—	—	—	—	—
Construction	1	1	—	—	—
Wholesale and retail trade; repair of motor vehicles and motorcycles	—	1	—	2	4
Transportation and storage	—	—	—	—	—
Information and communication	—	1	—	—	—
Financial and insurance activities	—	—	—	—	—
Real estate activities	—	—	—	—	—
Professional, scientific and technical activities	29	51	27	32	27
Scientific research and development	21	45	26	30	27
Administrative and support service activities	—	—	—	—	—
Education	97	88	44	53	68
Human health and social work activities	3	1	1	—	—
Other	—	—	6	10	13

Distribution of Resident Applications for Utility Models from Legal Entities by Economic Activities in the First Quarter from 2020 to 2024¹

	2020	2021	2022	2023	2024²
Total	886	548	271	414	633
Agriculture, forestry and fishing	6	3	–	1	1
Mining and quarrying	1	4	3	3	–
Manufacturing, including	37	32	14	11	15
Manufacture of food products, beverages and tobacco	2	1	–	1	–
Manufacture of textiles and textile products, leather and leather products	–	1	–	1	–
Manufacture of wood and wood products, paper and paper products; publishing and printing	4	–	1	–	2
Manufacture of coke and refined petroleum products	–	–	–	–	–
Manufacture of chemicals and chemical products	–	–	–	–	–
Manufacture of basic pharmaceutical products and pharmaceutical preparations	–	1	1	–	–
Manufacture of rubber and plastic products	–	3	1	2	1
Manufacture of fabricated metal products, except machinery and equipment	3	2	1	1	–
Manufacture of computer, electronic and optical products	1	2	–	–	1
Manufacture of electrical equipment	3	2	3	1	0
Manufacture of machinery and equipment n.e.c.	16	10	5	3	8
Manufacture of motor vehicles, trailers and semi-trailers and other transport equipment	7	5	2	1	2
Manufacture of furniture, Other products, Repair and installation of machinery and equipment	1	5	–	1	1
Electricity, gas, steam and air conditioning supply	–	–	–	–	–
Water supply; sewerage, waste management and remediation activities	–	–	–	1	–
Construction	1	1	2	–	–
Wholesale and retail trade; repair of motor vehicles and motorcycles	7	7	3	2	5
Transportation and storage	1	–	–	–	–
Information and communication	2	4	–	–	–
Financial and insurance activities	–	–	–	–	–
Real estate activities	1	2	–	–	–
Professional, scientific and technical activities	129	93	53	72	69
Scientific research and development	120	87	52	72	67
Administrative and support service activities	4	1	–	2	–
Education	666	397	186	289	482
Human health and social work activities	29	3	–	2	2
Other	2	1	10	31	59

Distribution of Resident Applications for Inventions and Utility Models from Legal Entities by Economic Activities in the First Quarter from 2020 to 2024¹

	2020	2021	2022	2023	2024²
Total	1,022	697	353	514	751
Agriculture, forestry and fishing	6	3	–	1	1
Mining and quarrying	1	4	3	3	–
Manufacturing, including	43	38	18	14	21
Manufacture of food products, beverages and tobacco	2	2	–	1	–
Manufacture of textiles and textile products, leather and leather products	–	1	–	2	–
Manufacture of wood and wood products, paper and paper products; publishing and printing	4	–	2	–	2
Manufacture of coke and refined petroleum products	–	–	–	–	–
Manufacture of chemicals and chemical products	–	2	1	–	1
Manufacture of basic pharmaceutical products and pharmaceutical preparations	1	1	1	–	–
Manufacture of rubber and plastic products	–	3	1	2	2
Manufacture of fabricated metal products, except machinery and equipment	3	2	2	1	–
Manufacture of computer, electronic and optical products	3	2	–	–	2
Manufacture of electrical equipment	5	2	3	1	1
Manufacture of machinery and equipment n.e.c.	16	13	6	4	10
Manufacture of motor vehicles, trailers and semi-trailers and other transport equipment	8	5	2	1	2
Manufacture of furniture, Other products, Repair and installation of machinery and equipment	1	5	–	2	1
Electricity, gas, steam and air conditioning supply	–	–	–	–	–
Water supply; sewerage, waste management and remediation activities	–	–	–	1	–
Construction	2	2	2	–	–
Wholesale and retail trade; repair of motor vehicles and motorcycles	7	8	3	4	9
Transportation and storage	1	–	–	–	–
Information and communication	2	5	–	–	–
Financial and insurance activities	–	–	–	–	–
Real estate activities	1	2	–	–	–
Professional, scientific and technical activities	158	144	80	104	96
Scientific research and development	141	132	78	102	94
Administrative and support service activities	4	1	–	2	–
Education	763	485	230	342	550
Human health and social work activities	32	4	1	2	2
Other	2	1	16	41	72

Distribution of Resident Applications for Inventions and Utility Models from Legal Entities by Government Agencies in the First Quarter from 2020 to 2024¹

	2020	2021	2022	2023	2024 ²
Total	935	620	310	448	646
Ministry of Education and Science of Ukraine	427	394	205	285	448
The National Academy of Sciences of Ukraine	63	79	52	60	61
Ministry of Health of Ukraine	308	64	18	12	45
Ministry of Defence of Ukraine	6	8	4	33	37
The National Academy of Agrarian Sciences (NAAS) of Ukraine	30	30	12	19	17
State Emergency Service of Ukraine	10	23	6	9	16
Ministry of Internal Affairs of Ukraine	3	4	1	5	7
The State Concern UkrOboronProm	3	4	1	3	4
National Academy of Medical Sciences of Ukraine	46	6	3	4	4
Cabinet of Ministers of Ukraine	11	3	2	3	3
State Management of Affairs	1	–	–	–	2
Other	27	5	6	15	2

Higher Educational Institutions of Ukraine with the Highest Inventive Activity Based on Applications for Inventions and Utility Models in the First Quarter from 2020 to 2024¹

	2020	2021	2022	2023	2024 ²
Total	763	485	230	342	550
Ivan Kozhedub National Air Force University	4	5	2	22	27
Dnipro State Agrarian and Economic University	7	6	2	–	24
Vinnytsia National Technical University	8	13	17	11	24
Ukrainian State University of Railway Transport	–	12	2	9	23
Lviv Polytechnic National University	19	16	4	21	22
Uzhhorod National University	3	15	6	–	20
National Technical University of Ukraine «Igor Sikorsky Kyiv Polytechnic Institute»	11	9	3	22	19
Kharkiv National Automobile and Highway University	3	5	3	14	17
National University of Life and Environmental Sciences of Ukraine	11	6	1	5	17
Uman National University of Horticulture	4	16		6	16
Kyiv National University	1	13	16	34	15
Admiral Makarov National University of Shipbuilding	–	1	–	–	15
The National University of Water and Environmental Engineering	10	7	6	7	14
National University of Civil Protection of Ukraine	8	18	6	7	13
National Technical University «Kharkiv Polytechnic Institute»	16	18	3	8	12
Volodymyr Dahl East Ukrainian National University	7	5	2	9	11
National Aviation University	17	2	1	3	10
Danylo Halytsky Lviv National Medical University	8	–	–	1	10
Poltava State Agrarian University	6	20	13	9	9
The National Defence University of Ukraine		2	1	10	9
Ternopil Ivan Puluj National Technical University	21	1	1	–	9
Central Ukrainian National Technical University	9	5	2	5	8
Bila Tserkva National Agrarian University	7	5	7	–	8
Donetsk National Technical University	7	4	1	1	8
Kharkiv National Medical University	17	4	2	2	7
Dnipro University of Technology	4	13	4	7	7
Ukrainian State University of Chemical Technology	2	–	6	5	7
V. N. Karazin Kharkiv National University	5	5	9		7
Ukrainian Engineering Pedagogics Academy	1	5	2	2	7
Odesa National University of Technology	16	6	4	2	7
Mykolayiv National Agrarian University	2	2	–	5	7
Oles Honchar Dnipro National University	8	2	5	–	7
Other	521	244	99	115	134

Scientific Organizations of Ukraine with the Highest Inventive Activity Based on Applications for Inventions and Utility Models in the First Quarter from 2020 to 2024¹

	2020	2021	2022	2023	2024²
Total	141	132	78	102	94
M.S. Poliakov Institute of Geotechnical Mechanics	5	14	6	3	9
L.V.Pisarzhevskii Institute of Physical Chemistry	3	7	8	6	7
V.E. Lashkaryov Institute of Semiconductor Physics	2	3	1	3	6
E.O. Paton Electric Welding Institute	5	4	5	2	5
Institute of Pharmacology and Toxicology	–	6	–	–	4
Chuiko Institute of Surface Chemistry	–	–	–	1	4
V.P. Kukhar Institute of Bioorganic Chemistry and Petrochemistry	–	–	–	–	4
The Institute of Renewable energy	–	2	–	2	4
National Scientific Center «Institute of Experimental and Clinical Veterinary Medicine»	8	4	1	2	3
Ivchenko-Progress State Enterprise	1	–	–	–	3
Z.I. Nekrasov Institute of Ferrous Metallurgy	–	–	1	–	2
Karpenko Physico-Mechanical Institute	1	1	1	–	2
Institute for Problems of Cryobiology and Cryomedicine	2	1	1	–	2
General Energy Institute	–	–	–	2	2
L. M. Litvinenko Institute of Physical-Organic Chemistry and Coal Chemistry	–	–	–	1	2
Institute for Safety Problems of Nuclear Power Plants	–	–	1	2	2
Thermal Energy Technology Institute	–	1	–	–	2
Other	114	89	53	78	31

**Resident Applications for Inventions and Utility Models by Region of Ukraine
in the First Quarter from 2020 to 2024¹**

	Utility Models					Inventions				
	2020	2021	2022	2023	2024 ²	2020	2021	2022	2023	2024 ²
Total	1,390	939	466	672	943	317	284	142	191	206
The Autonomous Republic of Crimea	3	–	–	–	–	1	–	–	–	–
Vinnitsia	29	23	22	26	37	16	8	5	7	6
Volyn	12	20	4	20	9	–	2	1	–	1
Dnipropetrovsk	126	111	51	86	97	39	37	24	16	21
Donetsk	42	21	2	9	37	10	6	2	2	5
Zhytomyr	14	10	7	3	5	4	–	2	3	2
Zakarpattia	10	13	6	4	16	2	9	3	4	14
Zaporizhzhia	37	18	3	11	20	12	10	8	5	8
Ivano-Frankivsk	25	17	13	12	7	15	9	5	4	2
Kyiv Region	31	25	19	30	31	9	18	8	9	7
Kirovohrad	12	10	4	6	10	4	2	–	1	1
Luhansk	14	7	1	–	1	3	1	–	1	–
Lviv	62	42	21	45	55	9	16	4	17	17
Mykolayiv	13	7	4	19	25	5	3	–	4	–
Odesa	62	54	27	23	26	27	18	12	8	10
Poltava	44	47	25	25	30	3	7	–	2	5
Rivne	14	12	7	9	22	–	–	1	1	1
Sumy	18	14	7	12	5	3	8	3	5	3
Ternopil	182	24	11	8	34	7	2	–	2	4
Kharkiv	172	148	68	98	185	38	34	15	23	23
Kherson	34	15	18	4	5	4	4	–	1	–
Khmelnyskyi	20	22	8	20	19	3	1	–	1	2
Cherkasy	19	23	7	14	31	7	–	3	2	2
Chernivtsi	35	23	14	8	8	–	2	–	1	1
Chernihiv	4	4	3	4	8	3	1	1	1	1
Kyiv	356	229	113	176	220	93	86	45	71	70
Unknown	–	–	1	–	–	–	–	–	–	–

**Resident Applications for Inventions and Utility Models by Region of Ukraine
in the First Quarter from 2020 to 2024¹**

	2020	2021	2022	2023	2024²
Total	1,707	1,223	608	863	1,149
The Autonomous Republic of Crimea	4	–	–	–	–
Vinnytsia	45	31	27	33	43
Volyn	12	22	5	20	10
Dnipropetrovsk	165	148	75	102	118
Donetsk	52	27	4	11	42
Zhytomyr	18	10	9	6	7
Zakarpattia	12	22	9	8	30
Zaporizhzhia	49	28	11	16	28
Ivano-Frankivsk	40	26	18	16	9
Kyiv Region	40	43	27	39	38
Kirovohrad	16	12	4	7	11
Luhansk	17	8	1	1	1
Lviv	71	58	25	62	72
Mykolayiv	18	10	4	23	25
Odesa	89	72	39	31	36
Poltava	47	54	25	27	35
Rivne	14	12	8	10	23
Sumy	21	22	10	17	8
Ternopil	189	26	11	10	38
Kharkiv	210	182	83	121	208
Kherson	38	19	18	5	5
Khmelnyskyi	23	23	8	21	21
Cherkasy	26	23	10	16	33
Chernivtsi	35	25	14	9	9
Chernihiv	7	5	4	5	9
Kyiv	449	315	158	247	290
Unknown	–	–	1	–	–

**Resident Registrations for Inventions and Utility Models by Region of Ukraine
in the First Quarter from 2020 to 2024**

	Utility Models					Inventions				
	2020	2021	2022	2023	2024	2020	2021	2022	2023	2024
Total	1,915	1,183	603	513	772	248	316	178	136	104
The Autonomous Republic of Crimea	–	4	–	–	–	1	–	–	–	–
Vinnitsia	153	67	26	51	46	2	4	4	4	2
Volyn	5	16	4	1	5	1	–	–	1	1
Dnipropetrovsk	142	118	49	33	59	26	20	10	12	8
Donetsk	37	18	10	7	29	8	10	3	2	–
Zhytomyr	20	11	4	5	4	7	1	–	1	1
Zakarpattia	12	18	1	13	13	3	7	1	4	3
Zaporizhzhia	89	158	45	13	18	10	8	4	7	4
Ivano-Frankivsk	26	16	15	5	9	5	6	4	5	3
Kyiv Region	48	30	17	13	23	4	6	18	5	2
Kirovohrad	17	13	5	10	10	3	5	–	–	–
Luhansk	9	13	6	–	2	2	1	–	–	–
Lviv	94	51	29	27	41	19	20	15	4	7
Mykolayiv	25	14	15	–	7	4	5	2	2	1
Odesa	69	36	24	15	29	16	22	14	6	3
Poltava	53	26	14	18	31	2	5	1	2	2
Rivne	32	4	3	11	9	–	–	–	–	–
Sumy	29	22	10	7	18	1	7	1	1	–
Ternopil	39	26	14	9	22	6	1	5	3	–
Kharkiv	335	145	109	85	140	34	58	37	15	21
Kherson	19	16	9	3	1	–	2	–	–	–
Khmelnyskyi	22	17	11	11	18	–	–	–	1	–
Cherkasy	12	17	7	10	21	–	9	–	2	–
Chernivtsi	47	31	11	7	5	1	–	–	–	–
Chernihiv	9	8	5	1	6	5	2	–	1	–
Kyiv	572	288	159	157	203	87	117	59	58	46
Sevastopol	–	–	1	–	3	1	–	–	–	–
Objects with limited access	–	–	–	1	–	–	–	–	–	–

Distribution of Resident Registrations for Both Inventions and Utility Models from Legal Entities by Economic Activities in the First Quarter from 2020 to 2024

	2020	2021	2022	2023	2024
Total	1,428	948	475	482	553
Agriculture, forestry and fishing	1	1	–	–	–
Mining and quarrying	1	3	3	2	4
Manufacturing, including	52	62	29	13	17
Manufacture of food products, beverages and tobacco	6	7	–	–	2
Manufacture of textiles and textile products, leather and leather products	1	1	–	–	1
Manufacture of wood and wood products, paper and paper products; publishing and printing	–	–	1	–	–
Manufacture of coke and refined petroleum products	–	–	–	–	–
Manufacture of chemicals and chemical products	1	2	–	1	–
Manufacture of basic pharmaceutical products and pharmaceutical preparations	1	3	1	1	1
Manufacture of rubber and plastic products	6	9	4	3	2
Manufacture of fabricated metal products, except machinery and equipment	4	6	6	–	1
Manufacture of computer, electronic and optical products	7	1	3	1	–
Manufacture of electrical equipment	6	8	1	2	1
Manufacture of machinery and equipment n.e.c.	13	13	13	2	4
Manufacture of motor vehicles, trailers and semi-trailers and other transport equipment	5	11	–	3	4
Manufacture of furniture, Other products, Repair and installation of machinery and equipment	2	1	–	–	1
Electricity, gas, steam and air conditioning supply	–	–	–	–	–
Water supply; sewerage, waste management and remediation activities	–	1	–	–	–
Construction	–	–	–	–	–
Wholesale and retail trade; repair of motor vehicles and motorcycles	13	18	13	4	7
Transportation and storage	–	–	1	1	1
Information and communication	8	3	4	–	2
Financial and insurance activities	–	–	–	–	–
Real estate activities	–	–	–	–	–
Professional, scientific and technical activities	310	183	108	85	85
Scientific research and development	287	166	105	83	81
Administrative and support service activities	3	–	–	–	1
Education	1,013	662	305	364	415
Human health and social work activities	21	10	6	2	3
Other	6	5	6	11	18

**Non-resident Applications for Trademarks under the National Procedure
by Origin in the First Quarter from 2020 to 2024¹**

	2020	2021	2022	2023	2024 ²
Total	988	1,037	755	508	758
The United States of America	227	194	140	100	137
Cyprus	118	91	73	52	79
Switzerland	104	139	103	47	63
The United Kingdom	33	43	17	55	60
China	40	51	48	26	57
Poland	19	25	18	28	56
Germany	62	31	60	33	50
Latvia	1	1	1	4	28
India	28	50	14	12	26
The Republic of Korea	35	17	25	7	23
Lithuania	5	10	3	10	15
Japan	36	25	19	15	13
Mauritius	–	1	7	–	12
France	21	25	11	7	11
Monaco	1	1	–	–	10
Estonia	4	11	–	1	9
Netherlands (Kingdom of the)	6	27	30	6	8
Canada	4	4	3	1	8
Austria	8	12	8	9	7
Luxembourg	1	6	5	3	5
Bulgaria	7	3	–	5	5
Brazil	–	5	1	1	4
Spain	7	30	5	1	4
Türkiye	7	6	10	5	4
The United Arab Emirates	7	12	3	1	4
Other	207	217	151	79	60