



UKRAINE



ANNUAL REPORT

NATIONAL INTELLECTUAL
PROPERTY OFFICE
UKRAINIAN INTELLECTUAL
PROPERTY INSTITUTE
(UKRPATENT)

2021

Contents

Foreword	3
1. Protection of the Industrial Property Rights	5
1.1. Examination of Applications and Registration of Industrial Property Rights	5
1.2. The functioning of Ukrpatent as an International Searching Authority and International Preliminary Examining Authority	17
1.3. Information Support of Examination Procedure for Applications for Industrial Property Rights	19
1.4. Assignment of Rights in the Industrial Property Sphere	23
2. Copyright and Related Rights	25
2.1. The State Registration of Copyright	25
2.2. The State Registration of Contracts Relating to the Author's Right in a Work	27
3. Intellectual Property Rights Enforcement	28
3.1. The Appeals Chamber of the National Intellectual Property Office and the "Ukraine" Commission Activities	28
3.2. Representation of Interests in Court Cases	34
4. Implementation of Information Technologies	35
4.1. Development of Technological Automated Systems	35
4.2. Electronic Document Management. Filing of Electronic Applications	36
4.3. IT Infrastructure Development	37
5. Participation in International Cooperation Activities in the Intellectual Property Sphere and Implementation of International Projects	39
5.1. Cooperation with WIPO	40
5.2. Implementation of International Projects Coordinated by WIPO	44
5.3. Cooperation with the European Patent Office	47
5.4. Cooperation with the European Union Intellectual Property Office (EUIPO)	49
6. Providing Public Access to Information Relating to Intellectual Property Rights Protection	51
6.1. Internet Resources of the State System of Intellectual Property Rights Protection	51
6.2. Interactive Databases and Information and Reference	53
6.3. Publications in the Sphere of Intellectual Property Rights Protection	54
6.4. The Public Patent Documentation Collection	56
6.5. Provision of Patent Information Services and Consultations in the Field of Intellectual Property	57
7. Training and Advanced Training of Specialists in the Field of Intellectual Property (IP). Dissemination of Knowledge in the Field of IP	58
7.1. Training Events to Improve Professional Level and Skills of Specialists in the Field of IP	58
7.2. Informational and Educational Activity. Stimulation of Creative Activity	60
Annexes	62

Dear colleagues!

Presenting the report on the results of the work of the State Enterprise "Ukrainian Institute of Intellectual Property" (Ukrpatent) in 2021, it is impossible to leave put out of account the fact that today, for all of Ukraine and the world, the reality has divided into "before" and "after" the start of unprovoked and unjustified aggression against our state. It is extremely important that while working in extremely difficult conditions, responding to economic, humanitarian and other complex challenges of today the Ukrpatent team confidently continues to fulfill its mission.

The strengthening of cooperation, the titanic joint efforts of Ukrpatent and international partners today will be a worthy response to the challenges and will speed up the processes of improving the national patent system. First of all, this is facilitated by close cooperation with WIPO, leading European and world patent offices. Thus, in May 2021, the Memorandum of Understanding was signed on bilateral cooperation between the State Enterprise "Ukrainian Intellectual Property Institute" (Ukrpatent), which performs the functions of the National Intellectual Property Office, and the European Union Intellectual Property Office (EUIPO). In September-December 2021, a number of working meetings of the EUIPO representatives with Ukrpatent specialists, representatives of user associations were held, as well as a technical seminar on the use of information tools and implementation of practices developed on the basis of the European Union Intellectual Property Network (EUIPN). Also, the first fruitful working meetings with specialists of the European Patent Office (EPO) was held online as part of the technical cooperation plan between the EPO and Ukrpatent for 2022-2023.

Among the joint events with WIPO in 2021, it is worth noting the events within the Week of Intellectual Property (IP) in Ukraine and the Week of Commercialization of IP in Ukraine, organized jointly with the Ministry of Economy; conducting the WIPO International Summer School on Intellectual Property; active and regular participation of Ukrpatent specialists in relevant events, such as Meetings of International Searching Authorities (ISA) and International Preliminary Examining Authorities (IPEA), meetings of the Standing Committee on the Law of Trademarks, Industrial Designs and Geographical Indications, the Patent Cooperation Treaty (PCT) Working Group, the Standing Committee on Copyright and Related Rights, the Program and Budget Committee, the Committee on Development and Intellectual Property, the Intergovernmental Committee on Intellectual Property and Genetic Resources, Traditional Knowledge and Folklore, the Committee on WIPO Standards; the event held on the occasion of the Inventor and Rationalizer Day of Ukraine with the presentation of the Inventor Assistance Program; participation in the 62nd series of meetings of the Assemblies of the Member States of WIPO, etc.

Starting from December 2021, Ukrpatent provides applicants from Ukraine with access to the WIPO service for electronic filing of trademark applications under the Madrid eFiling system, which allows brand owners to file international applications online.

In the spring of 2021, Ukrpatent together with the Ministry of Economy, with the support of the German Government through the German federal company "Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH" held two series of thematic webinars devoted to issues of collective management and legal protection of geographical indications in the EU, with the participation of European experts.

In 2021, Ukrpatent continued to maintain an active dialogue in the professional environment, cooperating with professional associations of patent attorneys, experts in the field of IP as an organizer and participant of the field-specific events.

Throughout 2021, specialists of Ukrpatent were constantly improving their skills by participating in training programs and courses of WIPO, as well as in trainings on the practice of applying the EU legislation on industrial designs conducted by the reform support team of the Ministry of Economy.

In 2021, Ukrpatent paid considerable attention to educational activities, raising awareness and popularizing IP. Thus, in February, in cooperation with WIPO, the Third General All-Ukrainian Congress of participants of the Technology and Innovation Support Centers (TISC) project was held. Online training on the basics of copyright was also organized for diplomats of the Ministry of Foreign Affairs of Ukraine, a series of online events on the occasion of the World IP Day, a significant number of webinars, online discussions and seminars involving specialists from many fields were organized. Specialized information publications "IP Guide for Ukrainian IT Companies" and "IP Guide for Marketing Specialists" were prepared. On the occasion of the World IP Day, Ukrpatent initiated the All-Ukrainian educational campaign "From an idea to its implementation" to assess the contribution of intellectual property to the development of literature, science, art and technical innovations.

More details about the outcomes of the activity in the state system of IP legal protection and Ukrpatent in 2021 are presented further in the report. Undoubtedly, the achievements and highlights of 2021 must be preserved and multiplied. Thanks to the coherence and professionalism of the team, the support of the professional environment, foreign partners and leading international institutions Ukrpatent is confidently looking ahead to the future together with the whole of Ukraine.

Let's work together for our common victory!

1 Protection of the Industrial Property Rights

1.1. Examination of Applications and Registration of Industrial Property Rights

In 2021, a total of about 3.4 thousand applications for inventions, above 4.4 thousand

those for utility models, above 1.8 thousand applications for industrial designs and almost 39.5 thousand applications for trademarks (including about 31.4 thousand those filed under the national procedure) were filed (table 1.1).

Table 1.1. Applications for Industrial Property Rights Protection, 2017-2021*

Industrial property rights	2017	2018	2019	2020	2021
Inventions	3,864	3,829	3,762	3,198	3,393
Utility models	9,300	9,259	8,549	5,269	4,425
Industrial designs	2,480	3,042	2,679	2,026	1,838
Trademarks	37,817	38,652	42,194	35,539	39,472
national procedure	30,183	30,900	33,736	27,895	31,351
international procedure	7,634	7,752	8,458	7,644	8,121
Geographical indications	4	3	6	2	7

24,468 applications were filed through the electronic filing system in 2021, including 1,099 applications for inventions (4.5% of all electronic filings), 977 those for utility models

(4.0%), 972 – for industrial designs (4.0%), 21,420 (87.5%) – for trademark applications (see table 1.2, figure 1.1).

Table 1.2. Applications filed through the Electronic Filing System, 2017-2021

Industrial property rights	2017	2018	2019	2020	2021
Total	6,888	11,180	14,998	21,025	24,468
Inventions	337	635	939	1,213	1,099
Utility models	337	527	722	1,060	977
Industrial designs	214	540	771	1,045	972
Trademarks	6,000	9,478	12,566	17,707	21,420
Share of the total filings (%)	15.0	23.8	30.8	54.8	59.7

* Data for the preceding years have been corrected

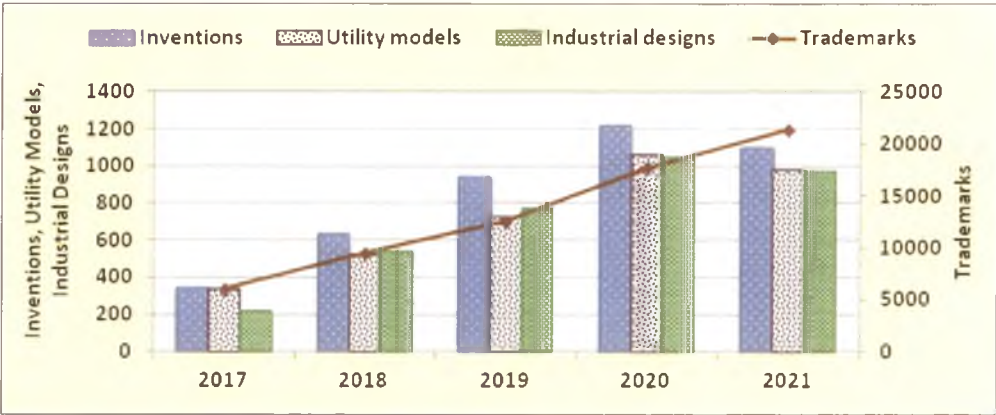


Figure 1.1. Trend in Electronic Filings

Inventions

In 2021, the number of applications for inventions totaled 3,393 (see table 1.3, figure 1.2). The number of resident filings has decreased by 5.4%, the number of non-resident filings has increased by 14.8% as compared with the previous year.

Table 1.3. Applications for Inventions, 2017-2021

	2017	2018	2019	2020	2021
Applications filed	3,864	3,829	3,762	3,198	3,393
Under the national procedure	2,313	2,219	2,208	1,615	1,577
by residents,	2,107	1,973	2,010	1,374	1,297
including legal entities	1,132	1,121	1,146	778	757
by non-residents	206	246	198	241	280
Under the PCT procedure	1,551	1,610	1,554	1,583	1,816
including resident applications	4	2	1	3	5

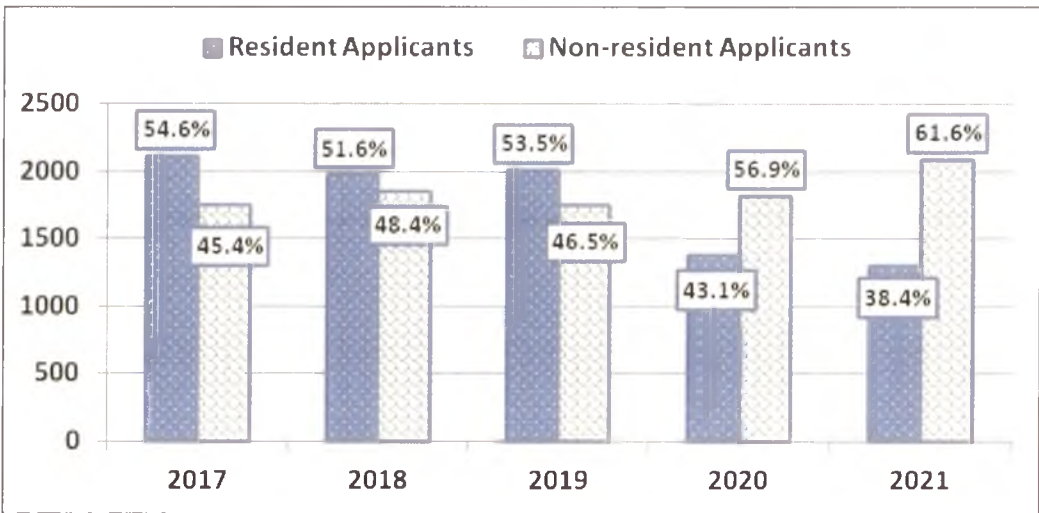


Figure 1.2. Trend in Patent Filings, 2017-2021

Resident applicants filed 1,302 applications for inventions in 2021 (38.4% of the total number against 43.1% in 2020). The largest number of resident filings came from Kyiv City (32.2%), Kharkiv Region (15.3%), Dnipropetrovsk

Region (11.0%), Odesa Region (6.1%), Lviv Region (5.6%), Kyiv Region (4.5%), Zaporizhia Region (3.5%), Donetsk Region (2.8%), Ivano-Frankivsk Region (2.7%) and Sumy Region (2.5%) (see figure 1.3).



Figure 1.3. Applications for Inventions by Regions of Ukraine, 2021

The most active in 2021 among the resident applicants legal entities were organizations working in the fields of "Education" and "Scientific Research and Development" (89.5% of applications): National University of Bioresources and Nature Management of Ukraine (41 applications); Ukrainian State University of Railway Transport (34 applications); Institute of Technical Thermophysics of the National Academy of Sciences of Ukraine (23 applications) and National Technical University "Dnipro Politehnika" (20 applications).

The largest number of applications filed by resident applicants in 2021 belongs to the following fields: "Other special machines" (94 applications or 7.7%), "Materials, metallurgy" (88 or 7.1%), "Measurement" (84 or 6.8%), "Civil engineering" (79 or 6.4%), "Transport" (76 or 6.2%), "Pharmaceuticals" (72 or 5.9%), "Medical technology" (65 or 5.3%), "Engines, pumps, turbines" (63 or 5.1%) and "Electrical machinery, apparatus, energy" (58 applications or 4.7%) (figure. 1.4).

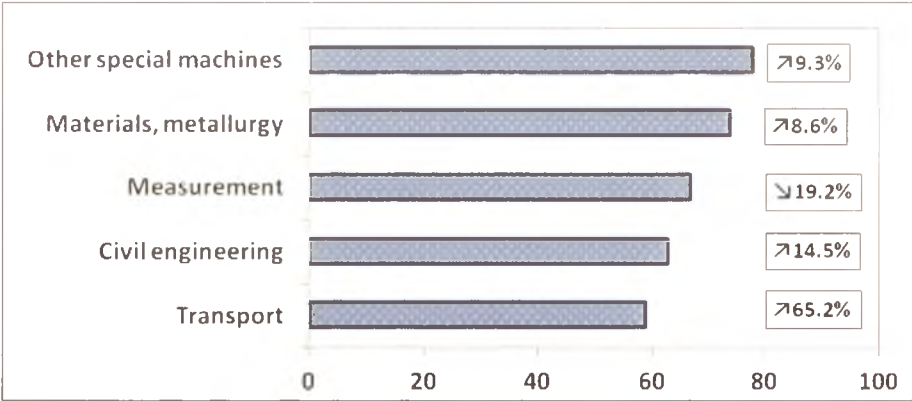


Figure 1.4. Priority Technology Fields of Patenting by Resident Applicants

Among foreign countries, the top applicants for inventions, as in the previous years, were applicants from the USA (578 applications), Germany (215), Switzerland (212), the United Kingdom (172), China (131), France (65), Japan

(63), Luxembourg (55), the Russian Federation (54), Belgium (53), the Republic of Korea (48), Italy (45), the Netherlands (44), Sweden (34) and Denmark (32) (see figure 1.5).

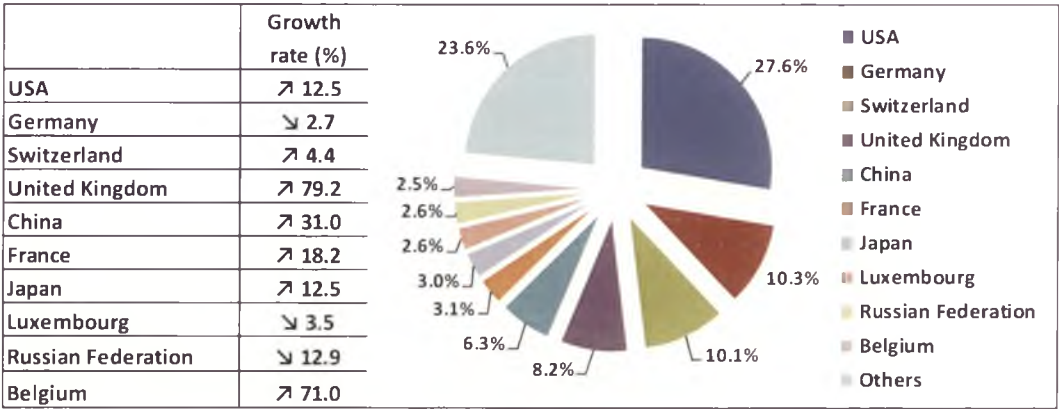


Figure 1.5. Non-resident Applications for Inventions by Origin, 2021

Data on application examining activities are presented in table 1.4.

Table 1.4. Results of Patent Application Examining Activities, 2017-2021

	2017	2018	2019	2020	2021
Formal examination					
Withdrawn applications	399	393	331	358	374
Expert opinions as to form	3,832	3,965	3,653	3,200	3,195
Rejected applications	18	7	18	12	9
Number of pending applications at the end of 2021	1,262	1,009	1,127	938	1,003
Substantive examination					
Number of requests for the substantive examination	3,889	3,665	3,595	2,862	2,856
Granted applications	2,744	2,510	2,320	2,359	2,329
Rejected applications	45	38	65	48	38
Abandoned applications	901	820	853	858	741
Total disposals	3,690	3,368	3,238	3,265	3,108
Number of pending applications at the end of 2021	4,185	4,679	4,940	4,524	4,079

A total of 2,298 patents for inventions were granted in 2021, including 990 (43.1%) resident grants (see table 1.5, figure 1.6).

Table 1.5. Grants of Patents for Inventions, 2017-2021

	2017	2018	2019	2020	2021
Patents granted	2,590	2,469	2,255	2,179	2,298
to residents	1,224	1,203	1,248	1,086	990
to non-residents	1,366	1,266	1,007	1,093	1,308
Patents in force at the end of 2021	23,705	22,977	22,440	21,190	18,478

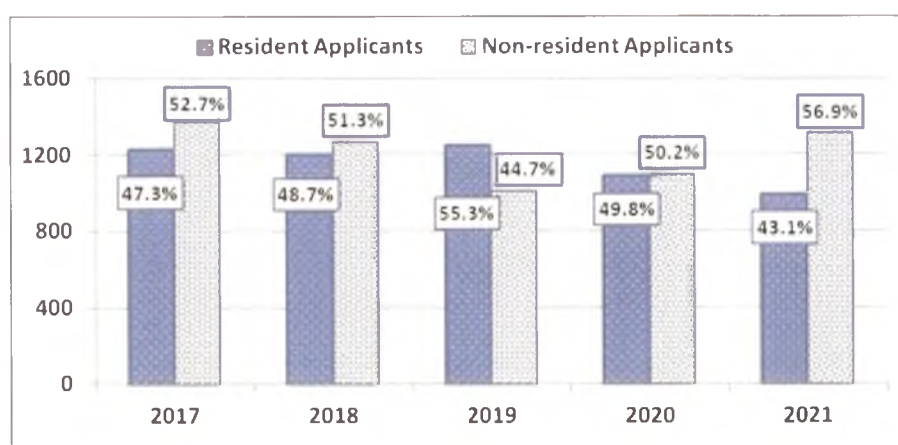


Figure 1.6. Trend in Grants of Patents for Inventions, 2017-2021

1,308 patents were granted to non-resident applicants, in particular, to applicants from the USA – 309, Germany – 170, Switzerland – 152, the United Kingdom – 58, Japan – 56, Luxembourg – 54, France – 50 and the Russian Federation – 50 applications.

As of January 1, 2022, a total of 129,932 patents for inventions were granted, of these 18,478 patents were in force (see figure 1.7).

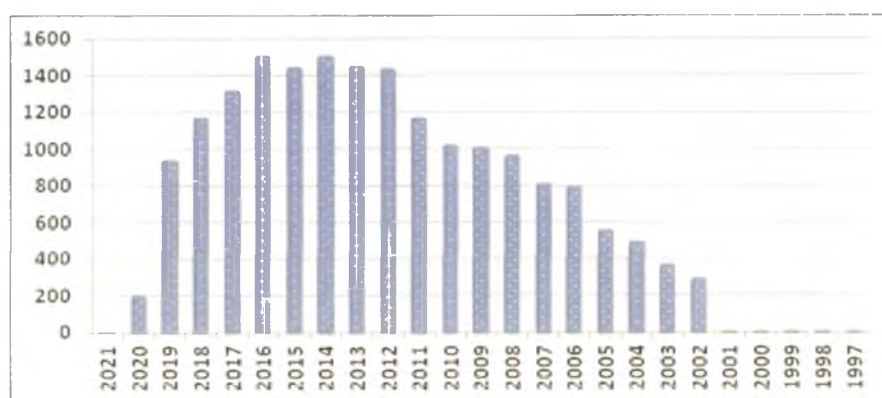


Figure 1.7. Patents in Force by Year of Filing

Utility Models

Above 4.4 thousand utility model applications were filed in 2021, 97.9% of those were

resident filings (see table 1.6, figure 1.8).

Table 1.6. Utility Model Applications, 2017-2021

	2017	2018	2019	2020	2021
Applications filed	9,300	9,259	8,549	5,269	4,425
Under the national procedure	9,289	9,253	8,538	5,261	4,417
by residents	9,155	9,118	8,440	5,053	4,333
including legal entities	6,032	6,337	5,710	3,201	2,837
by non-residents	134	135	98	208	84
Under the PCT procedure	11	6	11	8	8
including resident applications	–	–	2	–	–

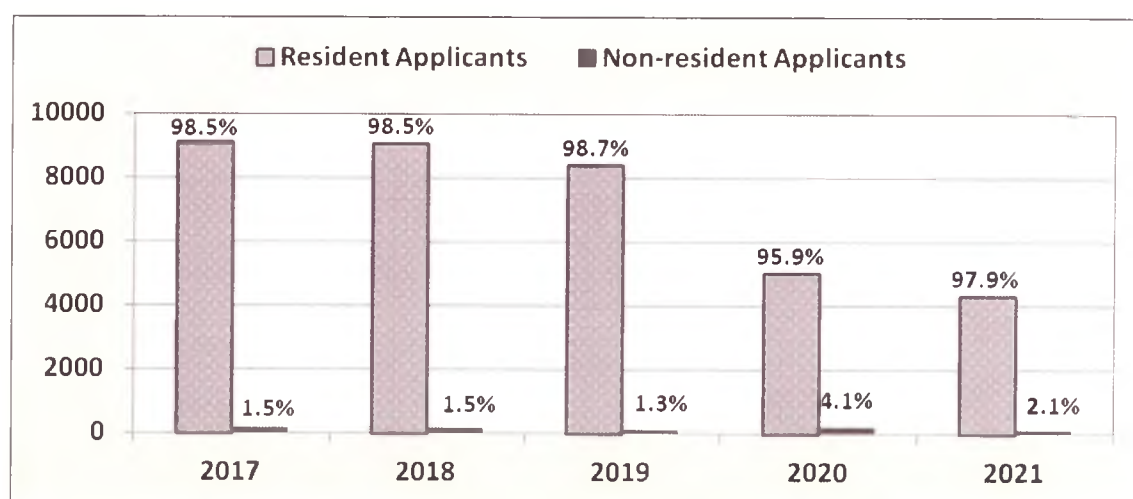


Figure 1.8. Trend in Utility Model Filings, 2017-2021

92 non-resident applications were filed. The top non-resident applicants were those from Poland (25 applications), Cyprus (16),

the Russian Federation (12), Belarus (7), Slovakia (6) and the USA (5) (see figure 1.9).

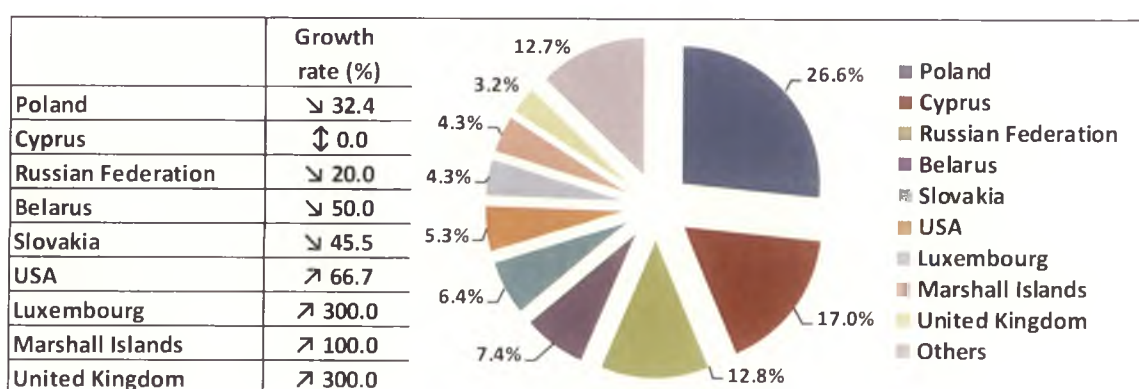


Figure 1.9. Non-resident Applications by Origin, 2021

4,545 applications for utility models were processed, including 3,993 allowed applications, 56 refused applications and 496 withdrawn applications.

In 2021, 4,363 thousand utility models were registered, 96.6% of those were resident grants (see table 1.7, figure 1.10).

Table 1.7. Grants of Utility Model Patents, 2017-2021

	2017	2018	2019	2020	2021
Patents granted	9,442	8,620	8,412	6,385	4,363
to residents	9,365	8,471	8,288	6,229	4,214
to non-residents	77	149	124	156	149
Patents in force at the end of 2021	36,658	36,992	36,841	32,120	19,632

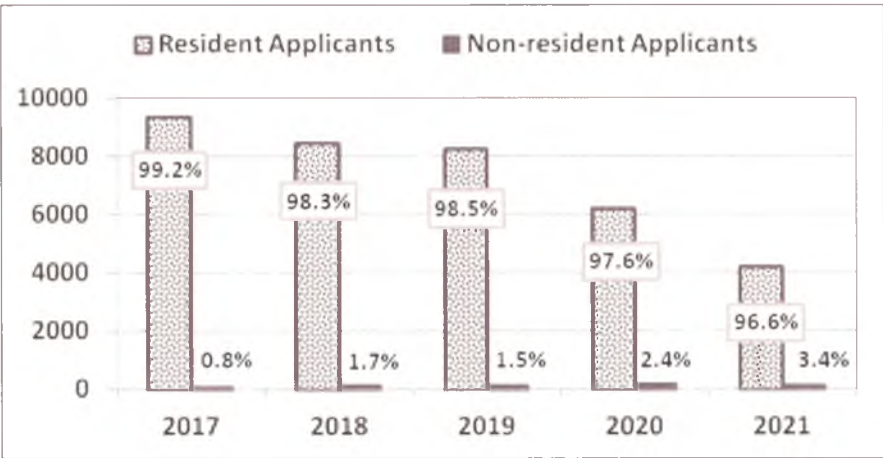


Figure 1.10. Trend in the Utility Model Grants, 2017-2021

149 patents for utility models were granted to non-resident applicants, in particular 51 – to applicants from Hong Kong, 34 – from Poland, 15 – from Cyprus, 14 – from the Russian Federation, 13 – from Belarus and 4 – from the USA.

As of January 1, 2022, a total of 150,113 patents for utility models were granted, of these 19,632 patents were in force (see figure 1.11).

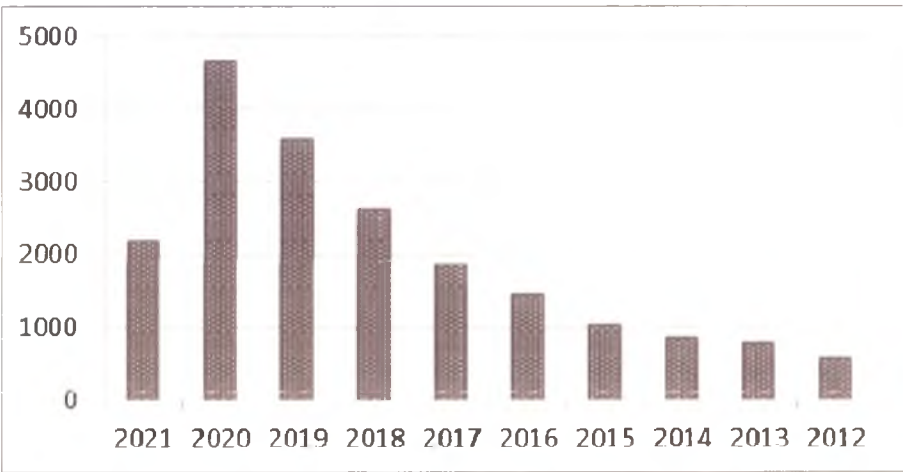


Figure 1.11. Utility Model Patents in Force by Year of Filing

Industrial Designs

In 2021, more than 1.8 thousand applications for industrial designs were filed (see table

1.8, figure 1.12). The share of non-resident applications amounted to 8.6%.

Table 1.8. Industrial Design Applications, 2017-2021

	2017	2018	2019	2020	2021
Applications filed	2,480	3,042	2,679	2,026	1,838
by residents	2,249	2,787	2,456	1,764	1,682
including legal entities	582	597	527	464	360
by non-residents	231	255	224	262	158

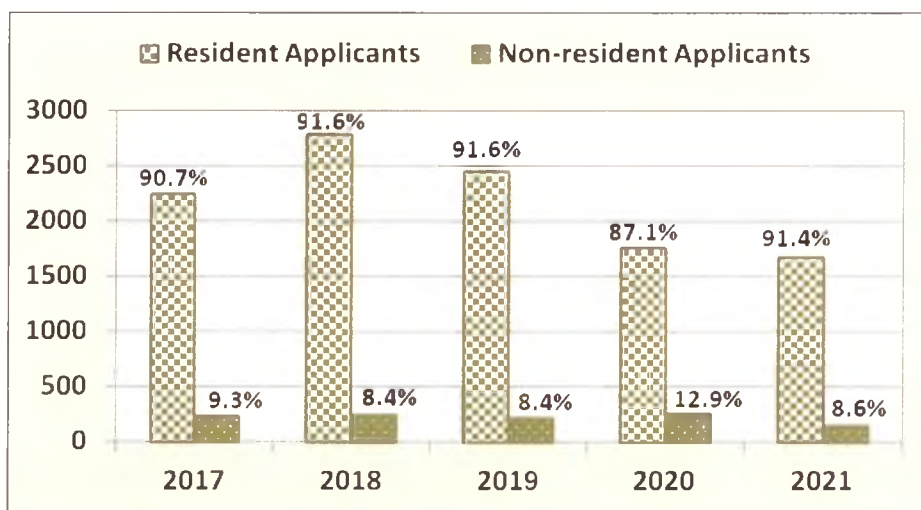


Figure 1.12. Trend in Industrial Design Filings, 2017-2021

In the year under review among top non-resident applicants were those from the USA (25 applications), China (24), Cyprus (20), the Russian Federation (17), Switzerland (17), Estonia (7),

France (6), Spain (6), Poland (5) (see figure 1.13). The share of applications from those countries amounted to 80.4% of total non-resident filings in 2021.

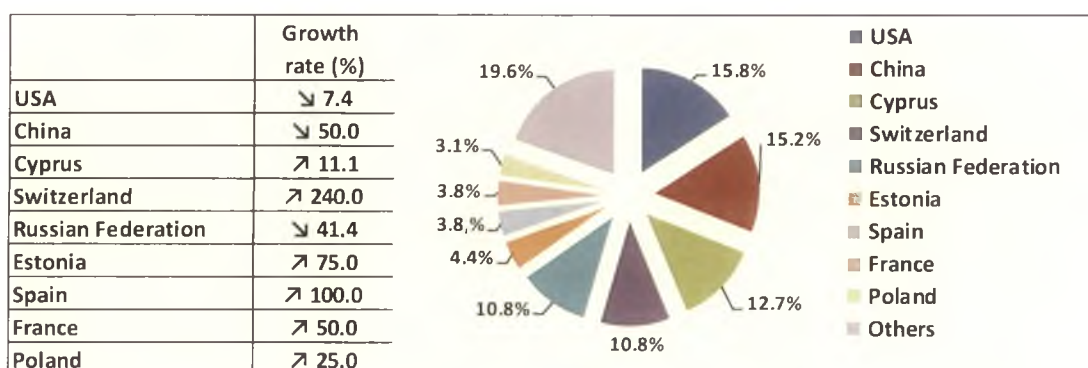


Figure 1.13. Non-resident Applications by Origin, 2021

The total number of processed industrial design applications amounted to 1,667, including 1,494 allowed applications, 173 withdrawn applications.

1,751 industrial designs were registered in 2021, including 1,536 (87.7%) resident registrations (see table 1.9, figure 1.14).

Table 1.9. Industrial Design Registrations, 2017-2021

	2017	2018	2019	2020	2021
Designs registered	2,390	2,297	2,599	2,047	1,751
to residents	2,113	2,077	2,396	1,820	1,536
to non-residents	277	220	203	227	215
Registrations in force at the end of 2021	13,761	14,383	14,873	14,623	13,626

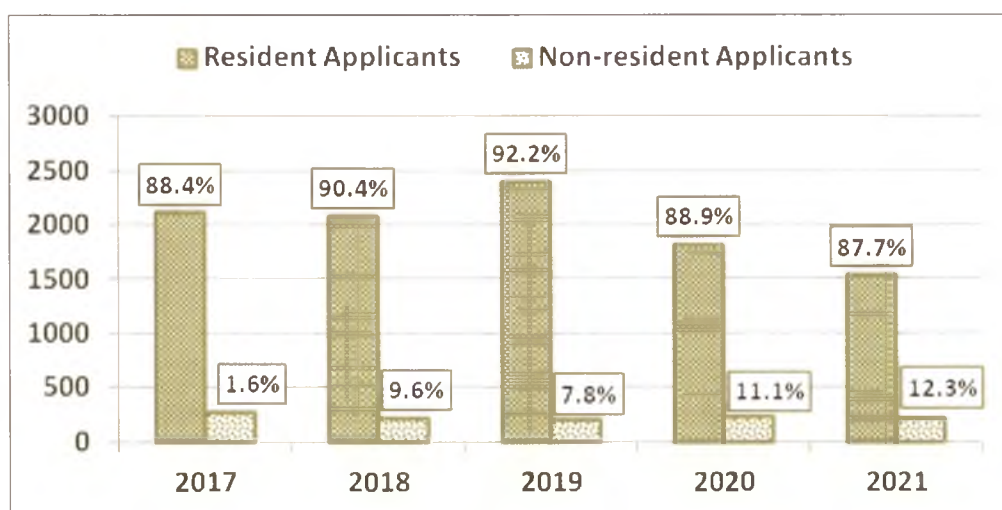


Figure 1.14. Trend in Industrial Design Registrations, 2017-2021

As of January 1, 2022, a total of 44,709 industrial designs were registered, of these 13,626 registrations were in force.

In 2021, the effect of 505 international registrations under the Hague Agreement Concerning the International Registration of

Industrial Designs was extended to the territory of Ukraine. Among the top origins were Switzerland (107 registrations), France (72), Italy (47), Germany (44), China (34), the USA (20), the Russian Federation (18), Netherlands (17) and Poland (17) (see figure 1.15).

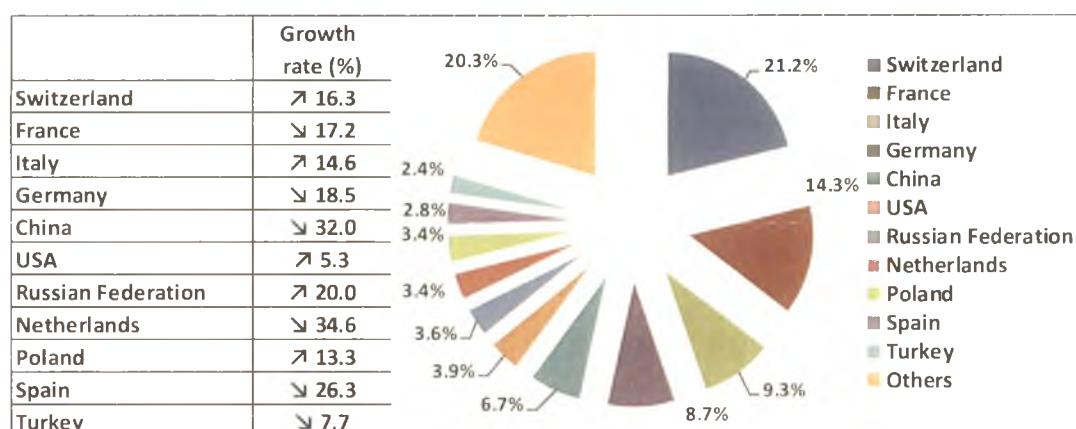


Figure 1.15. Registrations under the Hague Agreement by Origin, 2021

The classes with the largest shares of the international registrations were: 10 (Clocks and watches and other measuring instruments, checking and signalling instruments) – 54 registrations, 12 (Means of transport or hoisting) – 54, 9 (Packaging and containers for the transport or handling of goods) – 49, 11 (Articles of adornment) – 42, 3 (Travel goods, cases,

parasols and personal belongings, not elsewhere specified) – 36, 14 (Recording, telecommunication or data processing equipment) – 26, 2 (Articles of clothing and haberdashery) – 25 and 23 (Fluid distribution equipment, sanitary, heating, ventilation and air-conditioning equipment, solid fuel) – 25 registrations.

Trademarks

National procedure

The activity of resident trademark applicants has increased by 12.4%, activity of non-resident applicants has increased by 6.6%. The share of non-resident applications amounted to 13.8% of total filings through the national procedure (see table 1.10, figure 1.16).

Table 1.10. Trademark Applications, 2017-2021

	2017	2018	2019	2020	2021
Applications filed	30,183	30,900	33,736	27,895	31,351
by residents	26,275	27,327	29,828	23,841	27,029
by non-residents	3,908	3,573	3,908	4,054	4,322

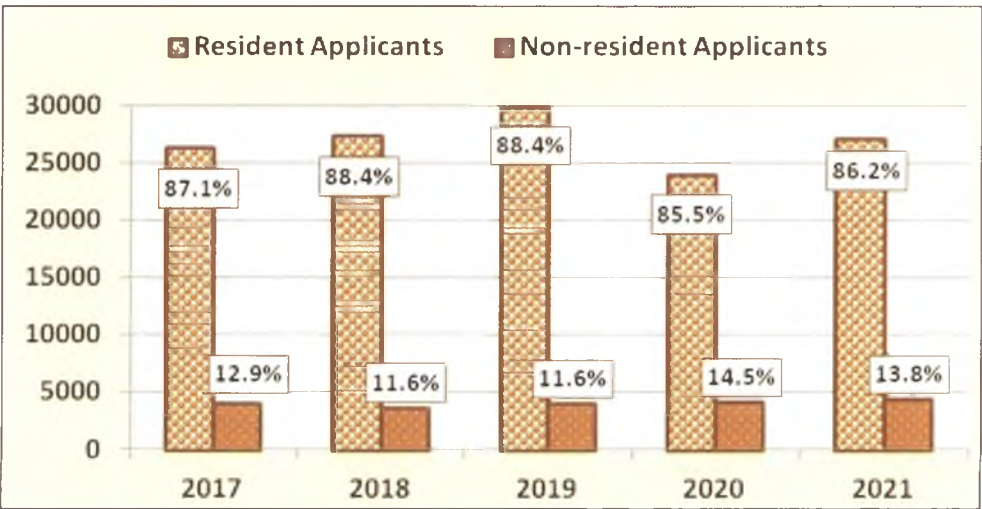


Figure 1.16. Trend in Trademark Filings, 2017-2021

The most active among the non-resident applicants were those from USA (865 applications), Switzerland (459), Cyprus (438), China (304), Germany (223), the United Kingdom (207), India (147), France (121), Poland (105) and the Republic of Korea (89 applications) (see figure 1.17).

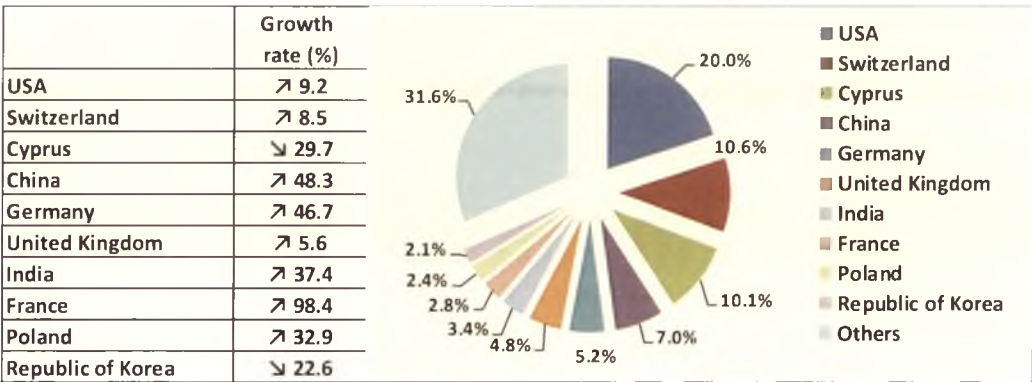


Figure 1.17. Non-resident Applications by Origin, 2021

Table 1.11 presents data on trademark examining activities.

Table 1.11. Results of Trademark Examining Activities, 2017-2021

	2017	2018	2019	2020	2021
Expert opinions as to form	22,985	22,748	23,104	27,030	27,821
Applications withdrawn or abandoned	5,270	5,245	5,319	5,750	5,589
Decisions on registration	16,620	18,218	19,342	23,523	25,326
Total rejections	1,865	1,795	2,027	2,071	2,636
Disposals	23,755	25,258	26,688	31,344	33,551
Number of pending applications at the end of 2021	40,099	37,783	46,501	41,122	46,250

More than 22.4 thousand trademarks were registered in 2021, of these 85.4% were resident registrations (see table 1.12, figure 1.18).

Table 1.12. Trademark Registrations, 2017-2021

	2017	2018	2019	2020	2021
Trademarks registered	15,248	15,877	17,322	19,640	22,455
to residents	12,986	13,553	14,788	16,839	19,166
to non-residents	2,262	2,324	2,534	2,801	3,289
Registrations in force at the end of 2021	177,353	182,120	191,628	201,053	211,732

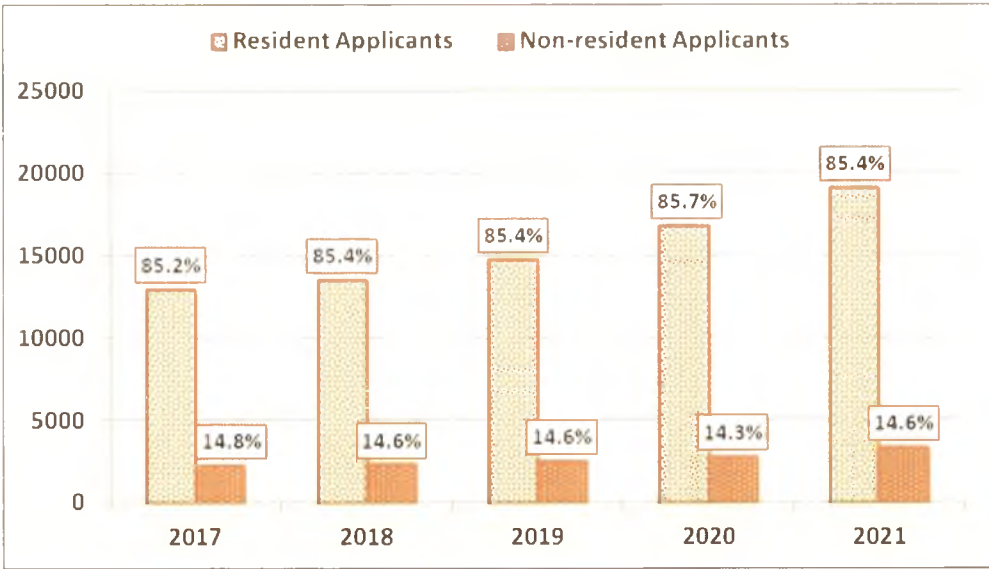


Figure 1.18. Trend in Trademark Registrations, 2017-2021

As of January 1, 2022, a total of 311,765 trademarks were registered, of these 211,732 registrations were in force.

International procedure

In 2021, 8,121 international applications were received from the WIPO International Bureau. The protection was granted to 8,159 international marks (see table 1.13, figure 1.19).

Table 1.13. Trademark Applications and Registrations under the Madrid System, 2017-2021

	2017	2018	2019	2020	2021
Applications filed	7,634	7,752	8,458	7,644	8,121
Protection granted	5,563	7,498	7,212	8,413	8,159

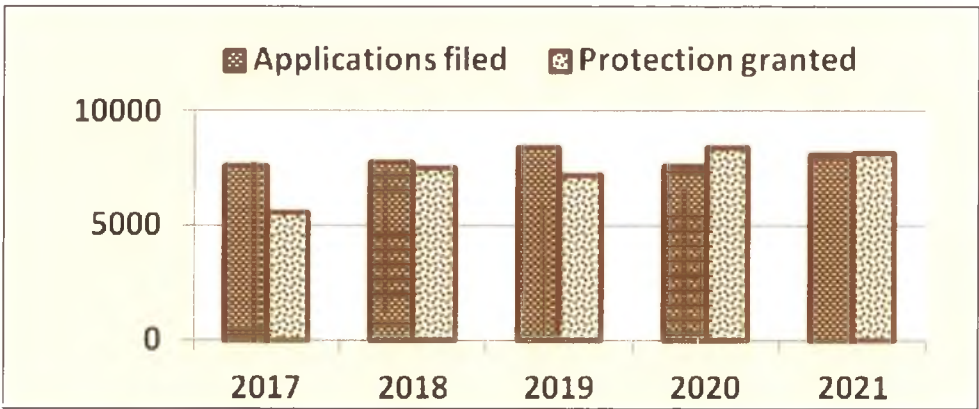


Figure 1.19. Trend in Filings and Registrations under the Madrid System, 2017-2021

In 2021, the top users of the Madrid System on the territory of Ukraine were applicants from Germany (1,133 applications), China (1,055), USA (758), the Russian Federation (557), France (520), Switzerland (460), Italy (458), Turkey (293), Poland (241), the Republic of Korea (202), the United Kingdom (197), Japan (170) and Hungary (162 applications) (see figure 1.20).

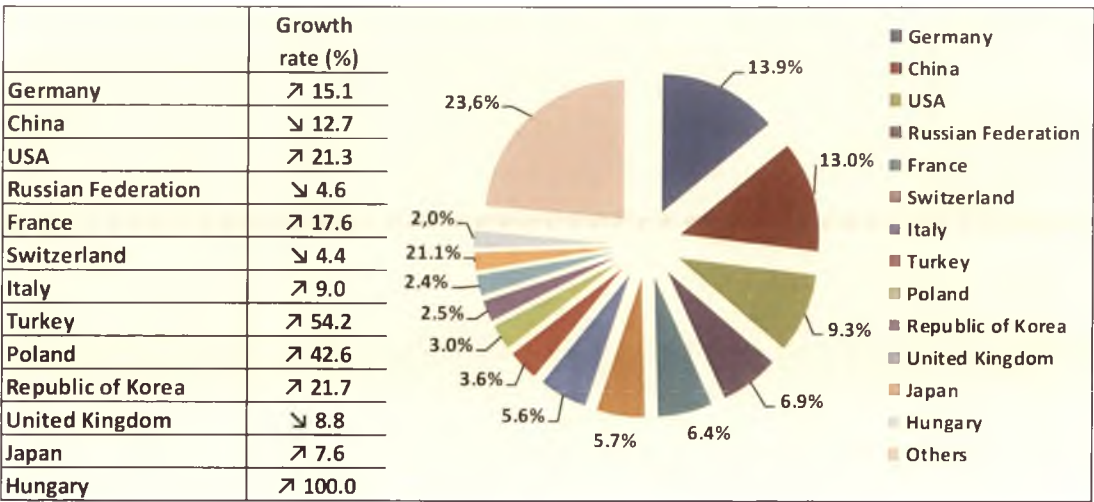


Figure 1.20. Filings under the Madrid System by Origin, 2021

In 2021, 505 resident trademark applications were sent to WIPO International Bureau for international registration (see figure 1.21).

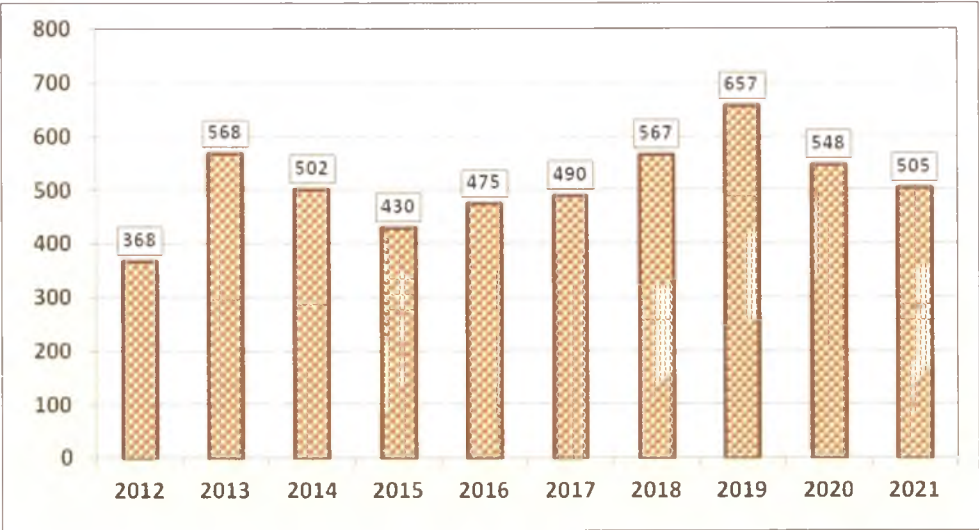


Figure 1.21. Trend in Resident Activity in the International Registration of Trademarks, 2012-2021

1.2. The functioning of Ukrpatent as an International Searching Authority and International Preliminary Examining Authority

During 2021 Ukrpatent continued to perform functions of an International Searching Authority (ISA) and International Preliminary Examining Authority (IPEA) under the Patent Cooperation Treaty (PCT). The international search and international preliminary examination are carried out for international applications filed by Ukrainian applicants with Ukrpatent as receiving Office or the International Bureau (IB) of WIPO as receiving Office.



In the reporting year, 103 applications were filed with Ukrpatent as receiving Office that is by 7% less than in 2020, and by 27% less than the average figure of the preceding years, since Ukrpatent began to function as ISA/IPEA. The share of applications filed in English increased (see table 1.14).

Table 1.14. International filings with Ukrpatent as receiving Office, 2017-2021

Number of applications	2017	2018	2019	2020	2021
Filed in English	29	36	31	30	37
Filed in Russian	102	107	140	81	66
Total	131	143	171	111	103

In 2021 Ukrpatent received 70 search copies, that is by 11% more than figure of the previous year, but less by 17% than the figure of 2019. From among the search copies filed in 2021 19% were submitted in English.

Ukrpatent transmitted 67 (–6%) search reports and written opinions of ISA to applicants and to the IB of WIPO (see table 1.15, figure 1.22). In 2021 there were no requests for additional international search.

Table 1.15. ISA performance indicators

	2017	2018	2019	2020	2021
Number of search copies received	39	52	94	63	70
Number of international search reports and written opinions transmitted to applicants and to the IB	39	35	94	71	67
Number of requests for additional international search	1	–	5	–	–
Number of additional international search reports	–	1	2	3	–

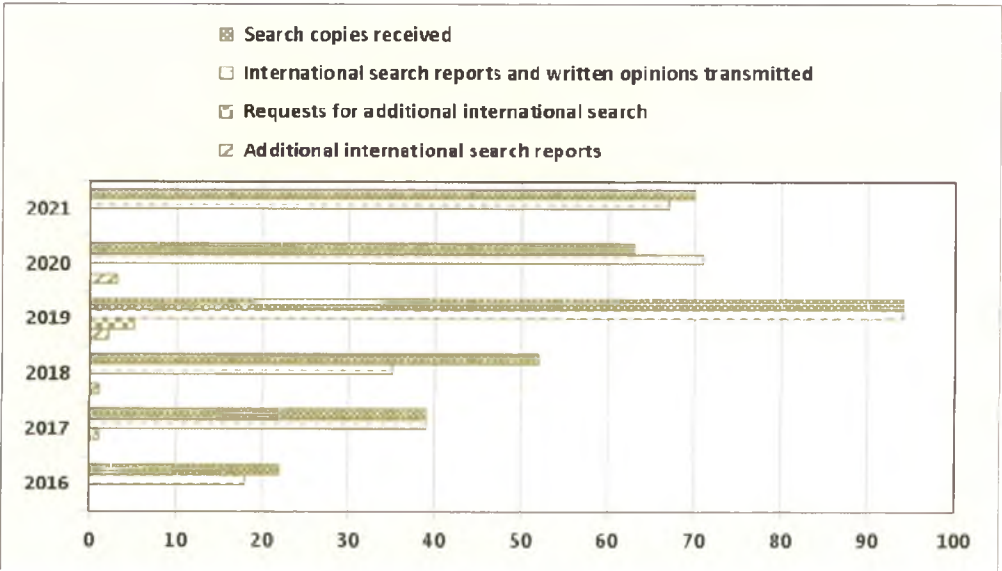


Figure 1.22. Number of received search copies, international search (additional international search) reports and written opinions of ISA

In 2021, in pursuance of IPEA functions Ukrpatent received 8 demands for international preliminary examination and transmitted 7 international preliminary reports on patent-

ability to applicants and to the IB of WIPO, this corresponds to the figures of the previous three years (see table 1.16).

Table 1.16. IPEA performance indicators

	2017	2018	2019	2020	2021
Number of demands for international preliminary examination	5	8	9	7	8
Number of international preliminary reports on patentability transmitted to applicants and to the IB	4	7	7	8	7

Much attention is paid to the maintenance of quality of works connected with conducting international searches and international preliminary examination. The Division for Quality Control and Improvement of Examination performs 100% control of international search

reports, written opinions of ISA and international preliminary reports of IPEA on patentability. In 2021, 76 written opinions of ISA and preliminary reports of IPEA were established by Ukrpatent. The analysis of search results is presented on figure 1.23.

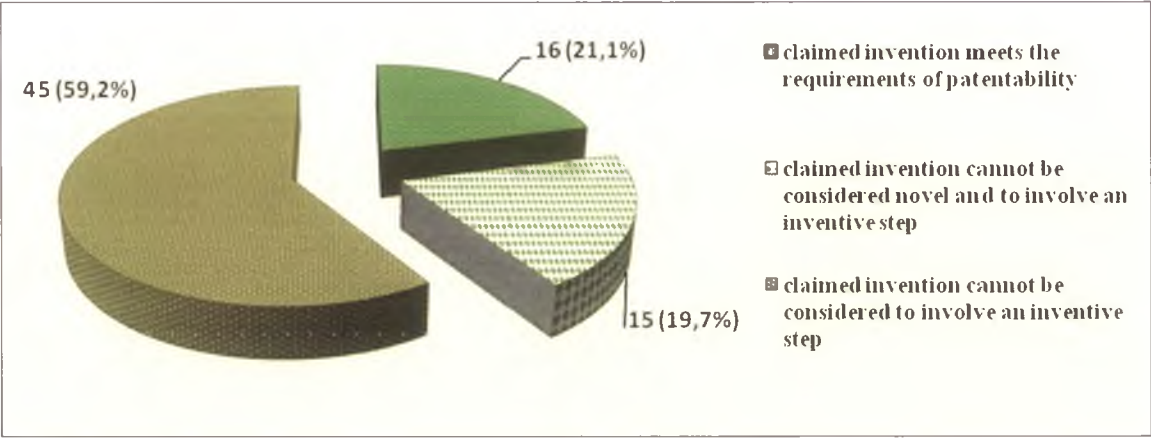


Figure 1.23. International search reports and written opinions of ISA by search results

1.3. Information Support of Examination Procedure for Applications for Industrial Property Rights

Patent Information Resources

In 2021, to meet the examiners need in reliable and up-to-date information, in particular for proper patent information provision of Ukrpatent functioning as an International Searching and Preliminary Examining Authority (ISA/IPEA), formation of a number of patent information collections and electronic resources that make the patent information base for examination purposes was provided.

A bilateral international exchange of patent documentation (on optical carriers and via FTP) with foreign patent offices was carried out by Ukrpatent as the Center of International Exchange of Publications, which is an integral component of sources for acquisition of foreign patent documents both for examination purposes and for the public needs.

Taking into account modern tendencies and the possibilities of access to information, examiners mainly use free and commercial information resources that provide access of Ukrpatent to the PCT minimum documentation (patent documentation and non-patent literature) via the Internet. In 2021, the complex of works was continued to ensure the guaranteed access of the examiners to 11 foreign commercial information Internet resources containing the PCT Minimum Documentation, the use of which is necessary for the quality of patent searches at Ukrpatent, in particular in the context of Ukrpatent functioning as an ISA and IPEA:

- the EPO's EPOQUE Net system (Germany) (since 2007);
- STN files and features (STN Global Value Pricing) by FIZ Karlsruhe (Germany) (since 2008);
- ScienceDirect ArticleChoice service by Elsevier B.V. (the Netherlands) (since 2009);
- Derwent World Patent Index (DWPI) database by Clarivate Analytics UK Limited (United Kingdom), accessible through the EPO's EPOQUE Net system (since 2011);

- Reaxys database by Elsevier B.V. (the Netherlands) (since 2011);
- Reaxys Medicinal Chemistry database by Elsevier B.V. (the Netherlands) (since 2018);
- Embase database by Elsevier B.V. (the Netherlands) (since 2019);
- Access to Research for Development and Innovation (ARDI) program, coordinated by WIPO (Switzerland) (since 2012);
- Content of the IEEE Xplore Digital Library of the Institute of Electrical and Electronics Engineers (USA) (since 2013);
- American Chemical Society Products (USA) (since 2013);
- John Wiley & Sons, Inc. (USA) Online Library (since 2014).

In the year under review necessary works were arranged to renew the following agreements:

- with providers of foreign commercial information Internet resources to ensure access to non-patent literature sources at Ukrpatent;
- with Elsevier B.V. to provide access to Embase database for examiners in 2021-2023;
- with FIZ Karlsruhe to provide access to STN files and features as the operator of STN® International STN Service Center for examiners in 2021-2024.

The works on forming electronic resources for information support of the examination procedure which are accessible through the local Intranet network were in progress, in particular, the content of the following information and search systems was considerably expanded:

- the collection of patent documentation of the countries of the world, accumulated in the process of the long-term international exchange of patent documentation with foreign offices, was replenished with data sets of 7 offices;
- the Network Electronic Catalogue was replenished by over 600 documents;
- the full-text non-patent literature database of the Search Portal was replenished with about 12,400 documents by digitalizing

printed publications from own collections and those obtained from other information sources.

In the course of 2021, the Reference and Information File (RIF) for examination was replenished by about 550 copies of books, booklets, periodicals, as well as the national patent documentation.

In 2021, the maintenance of the standards collection available in the RIF for examination was in progress, as well as an electronic information resource, the Catalogue of Normative Documents of Ukraine, Available in Information Resources of Ukrpatent, maintained after its implementation in 2015. With this purpose, the "Standards" current periodical information index, the publication of the State Enterprise "Ukrainian Research, Development and Training Centre for the Matters of Standardization, Certification and Quality" was processed, as a result of which the revealed information on changes and amendments was entered directly to the documents of the electronic information resource.

An integral part of the activities on information support of examiners is the system of providing materials through inter-library loans using the collections (primarily electronic ones) of 96 largest national and specialized libraries of Ukraine and foreign countries. Electronic copies of the requested information resources are obtained through the electronic document delivery.

As in previous years, free national and foreign Internet resources were widely used. Examiners requests for non-patent literature, primarily of the PCT Minimum Documentation, were also provided by using the access to foreign commercial Internet resources: Access to Research for Development and Innovation (ARDI) program, coordinated by WIPO (Switzerland), ScienceDirect ArticleChoice service by Elsevier B.V. (the Netherlands), Content of the IEEE Xplore Digital Library of the Institute of Electrical and Electronics Engineers (USA), ACS products of the American Chemical Society (USA) and the Wiley Online Library by John Wiley & Sons, Inc. (USA).

Due to effective utilization of the abovementioned resources in the reporting year, 100% of queries for articles from the PCT Minimum Documentation periodicals were complied with.

In total, according to the examiners queries, about 1,100 documents were provided, including 93.2% in electronic form that confirms the steady tendency to increase the share of electronic documents in the service of users.

In addition, monitoring and research of the commercial and free-of-charge Internet resources of non-patent literature was permanently carried out for the purpose of expansion of the list of free-of-charge databases and analysis of foreign commercial Internet resources for the availability of non-patent literature. those of the PCT Minimum Documentation items in the first place.

International Classifications in the Ukrainian Translation: new versions/editions



To provide for the use of the WIPO international classifications in the Ukrainian translation in the process of applications examination and their use by applicants and general public (within the limits specified by relevant normative and legal acts), as well as to fulfill the commitments under the international agreements on international classifications acceded by Ukraine, the works on updating the Ukrainian translations of the said classifications were continued and their new versions/editions were implemented in the state system of intellectual property (IP) legal protection, in line with the strategy and practice adopted by WIPO.

On completion of the complex of works implemented by Ukrpatent throughout 2020 on updating the texts of the International Patent Classification (IPC), the International Classification of Goods and Services for the Purposes of the Registration of Marks (Nice Classification) and the International Classification for Industrial Designs (Locarno Classification), their new versions/editions were introduced, which were put into effect on January 1, 2021, by the relevant orders of Ukrpatent:

- On the Implementation of the 2021 Version of the 11th Edition of the International Classification of Goods and Services for the Purposes of the Registration of Marks Translated into Ukrainian, dated December 7, 2020, No. 175-N/2020;
- On the Implementation of the 13th Edition of the International Classification for Industrial Designs Translated into Ukrainian, dated December 7, 2020, No. 176-N/2020;
- On the Implementation of the 2021 Version of the International Patent Classification Translated into Ukrainian, dated December 7, 2020, No. 177-N/2020.

In pursuance of these orders, information and reference systems (IRS) for the IPC 2022.01, NCL (11-2022) and LOC (13) were created and were freely available at the Ukrpatent website.

In connection with the introduction of changes and additions to the text of the IPC by WIPO in 2021 and entering into force of the IPC 2022.01 on January 1, 2022, the appropriate set of works was implemented at Ukrpatent and the following was provided:

- translation from English into Ukrainian, scientific and terminological, scientific and technical editing of the changes and additions to the IPC 2021.01 with the aim to update the classification and use the IPC 2022.01, translated into Ukrainian, in the state system of IP legal protection from January 1, 2022;
- creation of the new IRS for the IPC 2022.01, which is freely accessible through the Ukrpatent website.

As a result of these works, from January 1, 2022, by the Order of Ukrpatent dated December 22, 2021, No. 292-N/2021 "On the Implementation of the 2022 Version of the

International Patent Classification Translated into Ukrainian", the IPC 2022.01 in the Ukrainian translation was introduced in the state system of IP legal protection.

In connection with changes and additions introduced by WIPO to the 2021 version of the 11th edition of the Nice Classification in 2021 and implementation of the 2022 version of the 11th edition of the Nice Classification – NCL (11-2022) – as of January 1, 2022, the appropriate set of works was accomplished at Ukrpatent and the following was provided:

- translation from English into Ukrainian, scientific and terminological, scientific and technical editing of the changes and additions to the NCL (11-2021) in order to update the classification and provide the use of the NCL (11-2022) translated into Ukrainian in the state system of IP legal protection;

- creation of the IRS for the NCL (11-2022), which is freely accessible through the Ukrpatent website.

As a result of these works, from January 1, 2022, by the Order of Ukrpatent dated December 21, 2021, No. 289-N/2021 "On Implementation of the 2022 Version of the 11th Edition of the International Classification of Goods and Services for the Purposes of the Registration of Marks Translated into Ukrainian", the NCL (11-2022) in the Ukrainian translation was introduced in the state system of IP legal protection.

WIPO Standards in the Ukrainian Translation

In the course of proceedings on applications for industrial property rights, in particular at the time of their filing, examination, publication of national patent documentation, registration and issuance of titles of protection as well as in the process of creation and updating of specialized Internet resources, recommendations of WIPO Standards are applied which, in the course of time, are becoming increasingly important in the world IP system. Due to these standards and the use of modern information technologies, the standardized information

processing is provided, harmonization and unification of national patent documentation is implemented which ensures its integration into the world information space.



In order to improve the Ukrainian patent and terminology base, standardization and unification of terminology in the IP sphere, WIPO Standards are translated into Ukrainian, primarily those that have more practical value, and their timely updating is provided.

As of today, Ukrpatent has translated 27 WIPO Standards (with no official status). Such work continued in 2021, in particular, according to the current versions published by WIPO the following translations of WIPO Standards were updated:

- ST.26: Recommended Standard for the Presentation of Nucleotide and Amino Acid Sequence Listings Using XML (Extensible Markup Language);

- ST.27: Recommendation for the Exchange of Patent Legal Status Data;

- ST.37: Recommendation for an Authority File of Published Patent Documents.

In 2021, the following WIPO Standards were translated into Ukrainian for the first time:

- ST.61: Recommendation for the Exchange of Trademark Legal Status Data;

- ST.88: Recommendations for Electronic Representation of Industrial Designs.

The translations of WIPO Standards are available at the Ukrpatent website in the WIPO Standards section.

1.4. Assignment of Rights in the Industrial Property Sphere

The total number of sets of documents for entering data on disposition of industrial property rights into the state registers amounted to 2,134 in 2021 and increased by 7.4% as compared with the previous year (see figure 1.24). On the basis of those documents, a

total of 1,922 registrations concerning assignment of exclusive industrial property rights, 114 registrations concerning issuance of licenses on the exploitation of industrial property rights were carried out and 98 statements on readiness to authorize any person to use registered inventions and utility models (open licenses) were filed.

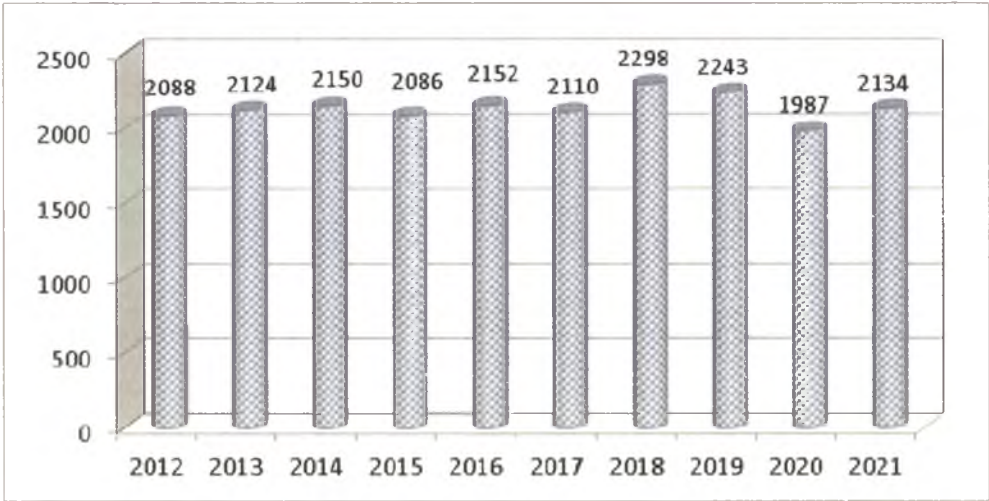


Figure 1.24. Trends in registration of contracts on disposition of industrial property rights in 2012-2021

The total number of industrial property rights in respect of which data on assignment of exclusive economic rights and granting licenses were entered into respective state registers considerably exceeds the number of registered contracts and amounted to 4,000,

including 92 inventions, 102 utility models, 111 industrial designs and 3,695 trademarks.

The information on entering data on disposition of industrial property rights into the state registers by the number of registered contracts is presented in table 1.17.

Table 1.17. Distribution of Registered Contracts on Disposition of Industrial Property Rights

Kind of contract	Number of registrations									
	Inventions		Utility models		Industrial designs		Trademarks		Total	
	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021
Non-exclusive licenses	2	1	5	3	–	–	41	70	48	74
Exclusive licenses	1	1	2	4	1	–	22	35	26	40
Assignment of right	64	57	51	88	74	72	1 404	1 705	1 593	1 922
Open licenses	97	41	221	57	2	–	–	–	320	98
Total	164	100	279	152	77	72	1 467	1 810	1 987	2 134

The data presented in table 1.17 shows that in 2021 the number of registered contracts on assignment of industrial property rights and issuance of licenses increased as compared with the previous year (it primarily concerns trademarks). However, to compare with the year 2020, the number of publications on readiness to authorize any person to use registered utility models decreased by 74% and to use registered inventions – by 58%.

Over the course of the reporting year, only one request on withdrawal of the statement on readiness to authorize any person to use a registered invention was received, that indicates the absence of proposals from third parties regarding the usage of such industrial property rights (commercialization thereof). This is the evidence that the official publication of state-

ments on readiness to authorize any person to use a registered industrial property right is currently ineffective and is used by industrial property rights owners exclusively to reduce the fee for extending the validity of titles of protection.

It is planned to draft and put into effect new editions of relevant legal acts in order to simplify the procedure of filing, processing, publishing and entering the data on disposition of industrial property rights into the state registers and authorizing the use thereof and to bring them into compliance with the current legislation of Ukraine.

The gradual transition to electronic filing of documents on disposition of industrial property rights and electronic interaction with applicants will be also carried out.

2

With the entry into force of the Law of Ukraine "On Amendments to Certain Laws Regarding the Creation of the National Intellectual Property Office", Ukrpatent was delegated certain powers specified in Article 4-1 of the Law of Ukraine "On Copyright and Related Rights". Thus, the powers delegated to Ukrpatent in the field of copyright include, in particular:

acceptance and consideration of applications for the state registration of author's rights in works of science, literature and art, as well as for registration of contracts relating to authors' rights in works, carrying out of their registration;

issuance of certificates on registration of
copyright in a work;

making publications on the protection of copyright and related rights in the official bulletin;

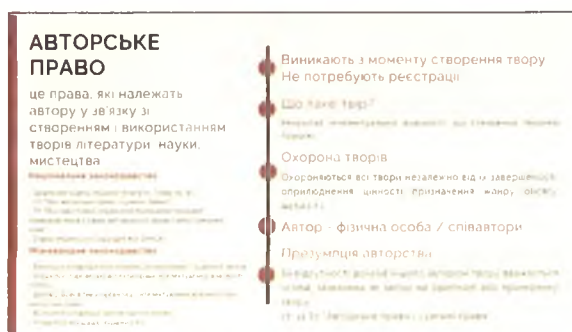
implementation of international cooperation in the field of intellectual property legal protection and representation of Ukraine's interests on the matters relating to protection of copyright and related rights in the World Intellectual Property Organization and other international organizations in accordance with legislation;

informing and providing explanations regarding implementation of the state policy in the sphere of copyright and related rights protection.

Within the defined powers, Ukrpatent provides information to individuals and legal entities on the matters relating to the state registration of copyright and contracts related to the author's right to a work, maintenance of the state registers in the field of copyright, provides explanations on implementation of

the state policy in the field of copyright and related rights protection.

In 2021, a total of 10,891 requests and notifications were prepared relating to maintenance of the state register of certificates on the registration of copyright in a work and the state register of contracts relating to the author's right in a work.



In 2021, Ukrpatent considered 293 inquiries from individuals and legal entities. Inquiries from individuals constitute 66% of the total number, attorneys' requests and requests from notaries – 13% each, requests for public information and requests from the state authorities – 4% each.

2.1. The State Registration of Copyright

During 2021, Ukrpatent accepted and processed 9,543 applications for registration of copyright in a work. Compared to 2020, the number of applications for registration of copyright in a work both filed and considered increased by 29%.

In 2021, 9,158 state registrations were made and 12,089 copyright registration certi-

cates were issued. Compared to 2020, the number of the state registrations of copyright in a work increased by 29.5%, the number of issued certificates increased by 34%.

Among copyright subject matters submitted for the state registration the majority were literary written works (6,789 registrations), works of fine art, illustrations, sketches (1,149), computer programs (793), collections and other compiled works (668), musical works with lyrics and

without lyrics (660). Other copyright subject matters registered in 2021 include: derivative works (164), works of applied art (92), photographic works (86), works of architecture, garden and park art, urban planning works (81), drawings, including those relating to architecture, plans, maps (78), choreographic works, musical-dramatic works, works for stage performance (39), audiovisual works (17), databases (12).

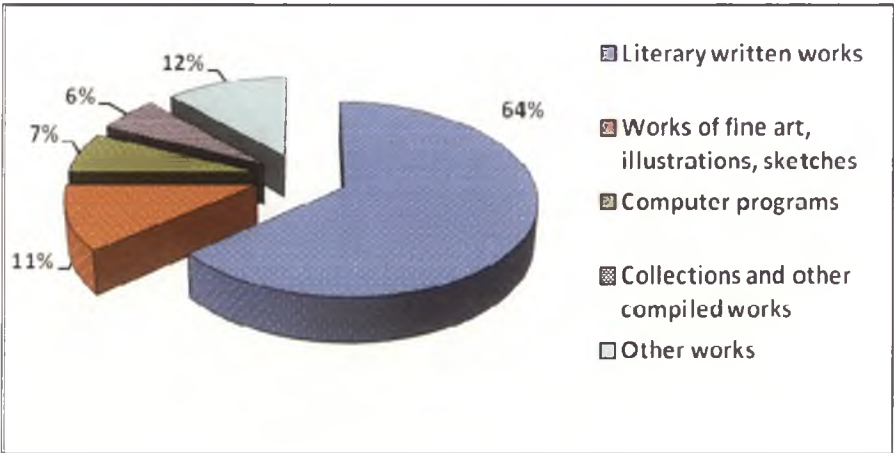


Figure 2.1. Distribution of the state registrations of copyright in a work by subject matter

Legal entities make up 14.7% of the applicants filing for the state registration of copyright in a work. During 2021, 1,400 applications for the state registration of copyright to a work made for hire were received from legal entities.

According to statistics, over the years, popularity of the state registration of copyright in a work among the creative community is growing. The number of registrations for the period from 2010 to 2021 (inclusive) has almost doubled.

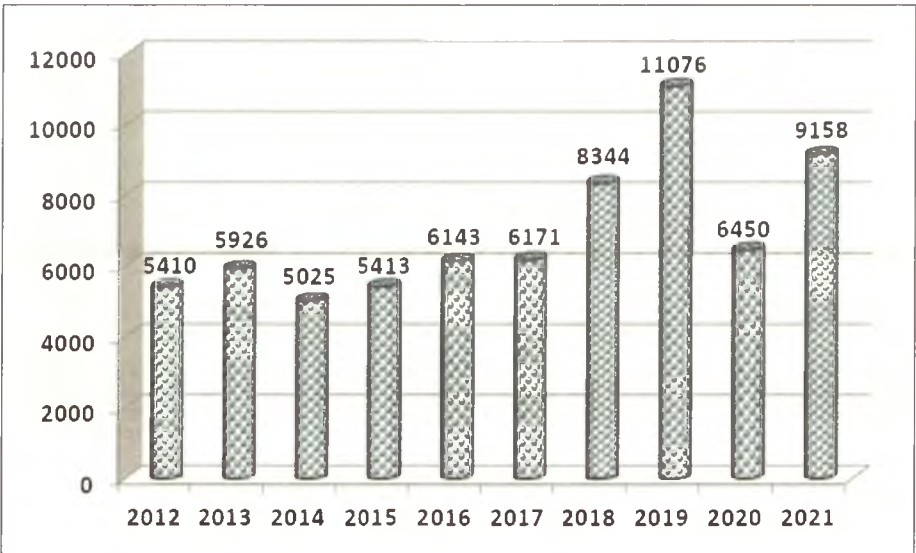


Figure 2.2. Trend in copyright registration

2.2. The State Registration of Contracts Relating to the Author's Right in a Work

During 2021, Ukrpatent received 495 applications for the state registration of contracts related to the author's right in a work. The total of 447 registrations were made, which is 6.2% more than in 2020.

The largest is the number of registered contracts on the transfer (alienation) of property rights in a work (440 contracts), while

almost all the contracts concern the full transfer of property rights. In addition, 6 agreements on transfer of the exclusive right in a work and 1 agreement on transfer of the non-exclusive right to use a work were registered.

Among the contracts relating to the author's right in a work, the most frequently submitted for the state registration are those on the transfer (alienation) of property rights in computer programs (213 contracts), literary written works (126), works of fine art, illustrations (90), collections and other compiled works (84).

3 Intellectual Property Rights Enforcement

3.1. The Appeals Chamber of the National Intellectual Property Office and the "Ukraine" Commission Activities

The Appeals Chamber of Ukrpatent

The Appeals Chamber of the National Intellectual Property Office (NIPO) (the Appeals Chamber of Ukrpatent) is a collegial body of NIPO for processing of appeals against the NIPO decisions on acquisition of intellectual property rights, requests on a total or partial invalidation of intellectual property rights, requests on declaration of a trademark to be well-known in Ukraine.



The Appeals Chamber of Ukrpatent started its work on March 18, 2021. As of this date, there have been a total of 73 oppositions against the decisions on applications, 2 oppositions against the decisions on applications for trademarks filed in accordance with paragraph two of Article 15(1) of the Law of Ukraine "On Protection of Rights to Marks for Goods and Services"

(oppositions by third parties), 8 requests for recognition of a trademark to be well-known in Ukraine under consideration in the Appeals Chamber, including 44 oppositions and 3 requests on declaration of a trademark to be well-known in Ukraine the processing of which was not completed by the Appeals Chamber of the Ministry for Development of Economy, Trade and Agriculture of Ukraine (the Ministry).

The Order of the Ministry No. 433 of March 2, 2021 "On the Approval of the Regulations of the Appeals Chamber of the National Intellectual Property Office" entered into force on May 25, 2021.

The composition of the Appeals Chamber of Ukrpatent in accordance with the requirements of the Regulations on the Appeals Chamber of the National Intellectual Property Office (Regulations on the Appeals Chamber) was approved by the Order of Ukrpatent dated May 31, 2021, No. 73-N/2021 "On Some Issues of the Appeals Chamber".

The personal composition of the Appeals Chamber of Ukrpatent, with a total of 34 members, includes two representatives of the Ministry of Economy of Ukraine. According to specialization, for various intellectual property rights the composition of the Appeals Chamber is represented by 19 specialists working with inventions and utility models, 18 – with industrial designs and 19 – with trademarks and geographical indications.

During 2021, a total of 184 oppositions against decisions on applications and 13 requests on declaration of a trademark to be well-known in Ukraine were under consideration by the Appeals Chamber of Ukrpatent.

In addition, 3 appeals on invalidation of rights in utility models and 2 appeals on invalidation of rights in industrial designs were filed to the Appeals Chamber.

Data on the total number of oppositions and requests on declaration of a trademark to

be well-known in Ukraine that were processed by the Appeals Chamber of Ukrpatent in 2021, taking into account oppositions and applications not completed by the Appeals Chamber of the Ministry, are presented in table 3.1.

Table 3.1. Oppositions and Requests Processed by the Appeals Chamber by Industrial Property Rights, 2021

Industrial Property Rights	Oppositions against the Decisions on Applications	Requests on Declaration of Trademarks to be Well-known in Ukraine	Appeals on Invalidation of Rights
Inventions	10	n/a	-
Utility Models	4		3
Industrial Designs	1		2
Trademarks, including	169	13	n/a
<i>oppositions filed by applicants</i>	<i>136</i>	n/a	
<i>oppositions filed by third parties</i>	<i>33</i>		
Total	184	13	5

Oppositions received by the Appeals Chamber of the Ministry and the Appeals Chamber of Ukrpatent in 2020-2021 by industrial property rights are presented in table 3.2.

Table 3.2. Oppositions Received for Processing by the Appeals Chamber of Ukrpatent by Industrial Property Rights

Industrial Property Rights	Filed to the Appeals Chamber of the Ministry (before October 13, 2020)	Filed to the Appeals Chamber of Ukrpatent (after October 13, 2020)	2020*	2021
Inventions	5	–	5	6
Utility models	1	–	1	3
Industrial designs	–	–	–	1
Trademarks, including	67	16	83	118
filed by applicants	67	15	82	86
filed by third parties	–	1	1	32
Total	73	16	89	128

The given data shows that the trend in filing oppositions by applicants against the decisions on applications is unchanged, and the number of oppositions filed by applicants remains at the level of the previous years (see table 3.3, figure 3.1).

The increase of the total number of oppositions is due to the receipt of oppositions against decisions on trademark applications from third parties.

* Corrected data

Table 3.3. Oppositions against the Decisions on Applications for Industrial Property Rights Filed by the Applicants to the Appeals Chamber, 2017-2021

Industrial Property Rights	2017	2018	2019	2020*	2021
Inventions	11	8	12	5	6
Utility models	1	—	2	1	3
Industrial designs	—	—	—	—	1
Trademarks	91	94	71	82	86

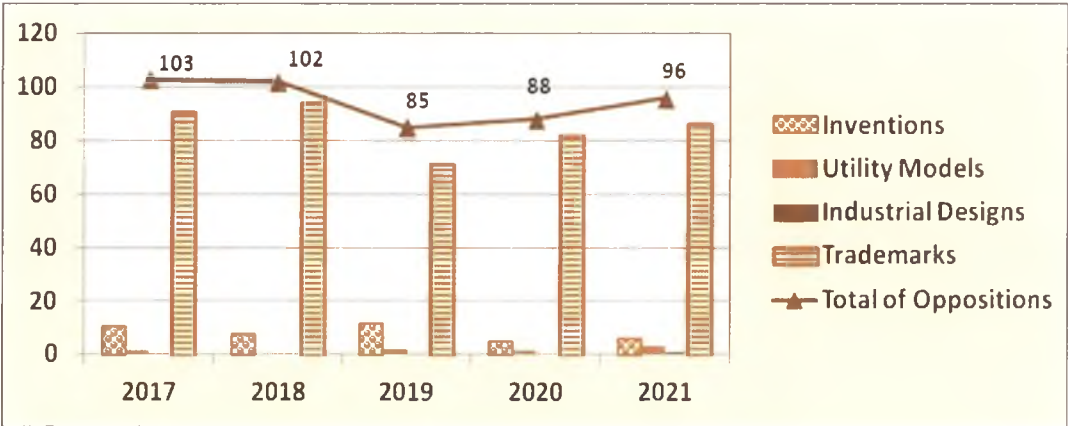


Figure 3.1. Trend in Filing Oppositions against the Decisions on Applications for IPRs

During 2021, a total of 5 requests to declare a trademark to be well-known in Ukraine were filed to the Appeals Chamber. The data on requests on declaration of a trademark to be well-known in Ukraine for the period of 2020-2021 are presented in table 3.4.

Table 3.4. Requests on Declaration of Trademarks to be well-known in Ukraine

	Filed to the Appeals Chamber of the Ministry (before October 13, 2020)	Filed to the Appeals Chamber of Ukrpatent (after October 13, 2020)	2020	2021
Requests on Declaration of a Trademark to be well-known in Ukraine	2	5	7	5

Traditionally, oppositions and requests on declaration of trademarks to be well-known in Ukraine are filed to the Appeals Chamber both by the appellants/applicants themselves as well as through their representatives. A total of 19.2% oppositions and requests received by the Appeals Chamber of Ukrpatent in 2020-2021 were filed directly by appellants/applicants, 80.8% – through representatives (see table 3.5).

* Corrected data

Table 3.5. Data on Persons who Filed Oppositions against Decisions on Applications, Requests on Declaration of Trademarks to be Well-known in Ukraine and Appeals

Persons who Filed an Opposition, a Request	Oppositions against Decisions on Applications		Requests on Declaration of Trademarks to be Well-Known in Ukraine		Appeals	
	2020	2021	2020	2021	2020	2021
Inventions, Utility Models, Industrial Designs						
Appellant/Applicant	3	8	n/a		–	2
Patent Attorney	2	2			–	3
Representative/Lawyer	1	–			–	–
Total	6	10			–	5
Trademarks						
Appellant/Applicant	10	20	–	2	n/a	
Patent Attorney	46	83	7	3		
Representative/Lawyer	27	15	–	–		
Total	83	118	7	5		

Processing of oppositions against the decisions of Ukrpatent on applications for trademarks filed by third parties has become a new practice for the Appeals Chamber. The number of such oppositions amounted to 24% of the total number of oppositions against the decisions on applications for trademarks. The analysis of those oppositions showed that when justifying the non-compliance of the declared designations with the terms for granting legal protection, most often the appellants indicated the following grounds for refusal:

– similarity of a designation to such an extent that it may be confused with previously registered trademarks, and the possible deception with regard to the person manufacturing the product or rendering the service – 25 cases;

– similarity of a designation with trade names known in Ukraine and owned by other persons – 10 cases;

– contradiction to public order, lack of distinctiveness, descriptiveness of designations, similarity with well-known trademarks as well as designations that reproduce industrial designs and titles of scientific, literary and artistic works known in Ukraine – 1 case of each ground listed.

Oppositions against the decisions on applications for inventions and utility models, industrial designs and trademarks filed by applicants and processed by the Appeals Chamber in 2021, with regard to grounds for refusal to grant legal protection specified in the decisions, are presented in table 3.6.

Table 3.6. Oppositions with Regard to Grounds for Refusal of Legal Protection

Ground for Refusal	Number of Grounds for Refusal in Decisions	%
Inventions, Utility Models		
Non-compliance of an invention, utility model with the terms of Article 6 and Article 12 of the Law (lack of the subject-matter)	7	50
Non-compliance with patentability criteria (novelty, inventive step, industrial applicability)	7	50
Total	14	100
Industrial Designs		
Contradiction to public order and generally accepted principles of morality	1	100

Trademarks		
Contradiction to public order and generally accepted principles of morality	5	3.6
Lack of distinctiveness	3	2.2
Common usage of designations applied to goods and services	2	1.5
Deception with regard to the person manufacturing the product or rendering the service	17	12.5
Descriptiveness of a designation	28	20.5
Deceptiveness of a designation with regard to the product	2	1.5
Similarity of designations with previously registered trademarks	76	56.0
Reproduction of surnames and names of well-known people in Ukraine without their consent	3	2.2
Total	136	100

The first session of the Appeals Chamber was held on April 20, 2021. Since that date, the boards held 252 appeals sessions and meetings on processing of requests on declaration of a trademark to be well-known in Ukraine, including 124 sessions held via the video conference service at the appropriate requests of appellants

and applicants. A total of 110 decisions were adopted by the boards based on the results of processing the oppositions. A total of 83 approved decisions were sent to the appellants, including 36 decisions on satisfying the opposition in full, 2 – on partially satisfying the opposition, and 45 – on refusing to satisfy the opposition (see table 3.7).

Table 3.7. The Appeals Chamber Decisions on Oppositions, 2017-2021

	2017		2018		2019		2020		2021	
	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%
Decisions made, incl.	103	100	81	100	84	100	83	100	83	100
<i>to fully satisfy</i>	64	62.1	38	46.9	38	45.2	49	59.0	36	43.4
<i>to partially satisfy</i>	4	3.9	5	6.2	2	3.6	1	1.2	2	2.3
<i>to dismiss</i>	35	34.0	38	46.9	44	52.4	33	39.8	45	54.3

A total of 6 oppositions were not accepted for processing by the Appeals Chamber due to the missed deadline for filing as well as 6 oppositions against decisions on trademark applications and 1 request on declaration of a trademark to be well-known in Ukraine were recognized as not filed due to non-payment of the fee. Processing of other 2 oppositions and 1 request on declaration of a trademark to be well-known in Ukraine was ceased due to withdrawal by the appellant and the applicant, respectively.

The Commission for Approval of Issues on Including the Designation Containing the Official Name of the State "Ukraine" in a Trademark and Service Mark

The competent authority for granting permission to use the official name and interna-

tional letter code of the state of Ukraine in a trademark is the collegial body established by the NIPO – the Commission for Approval of Issues on Including the Designation Containing the Official Name of the State "Ukraine" in a Trademark and Service Mark.

The Commission began its work on March 18, 2021 with issuance of the order of Ukrpatent dated March 18, 2021, No. 31-H/2021 "Some Issues of the Activities of the Commission for Approval of Issues on Including the Designation Containing the Official Name of the State "Ukraine" in a Trademark and Service Mark" and acted in accordance with its Regulations approved by the order of the Ministry of Education and Science of Ukraine dated October 7, 2003, No. 677 and the Rules on Approval of Issues on Including the Designation Containing the Official Name of the State "Ukraine" in a Trademark and Service Mark

approved by the order of the Ministry of Education and Science of Ukraine dated August 4, 2010, No. 790.

In 2021, a total of 81 requests on including the designation containing the official name of

the state "Ukraine" in a trademark were processed by the Commission, including 29 requests filed by individual entrepreneurs and 52 by legal entities (see figure 3.2).

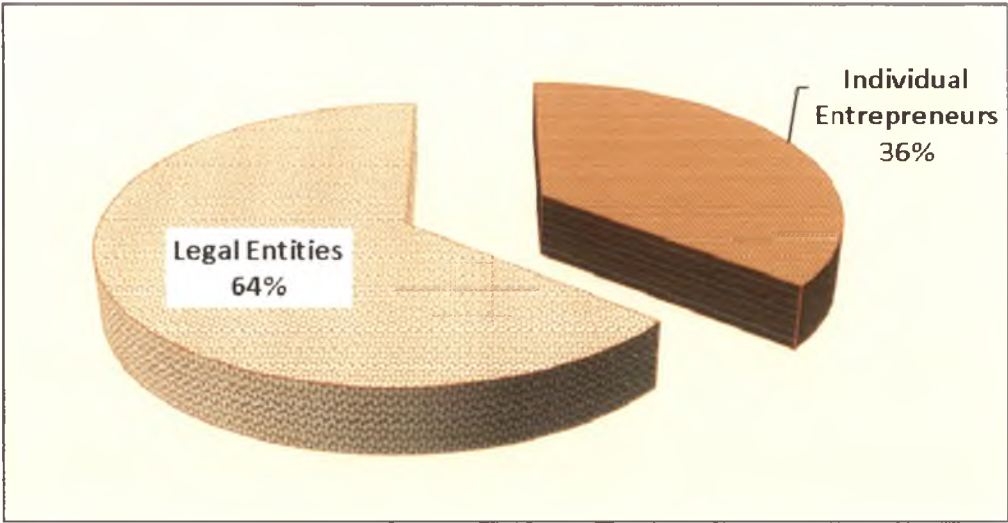


Figure 3.2. Requests on Including the Designation Containing the Official Name of the State "Ukraine" in a Trademark, by persons categories

According to the results of the preliminary processing, a total of 20 requests were recognized as withdrawn, notices to eliminate deficiencies were sent for 7 requests.

At four meetings of the Commission, held on April 20, June 19, October 17, and December

17, 2021, a total of 54 requests were processed by the Commission, on which the following decisions were made: 41 – on granting consent, 7 – on refusal to grant such consent, and 6 – on suspension of the request consideration for providing additional materials (see figure 3.3).

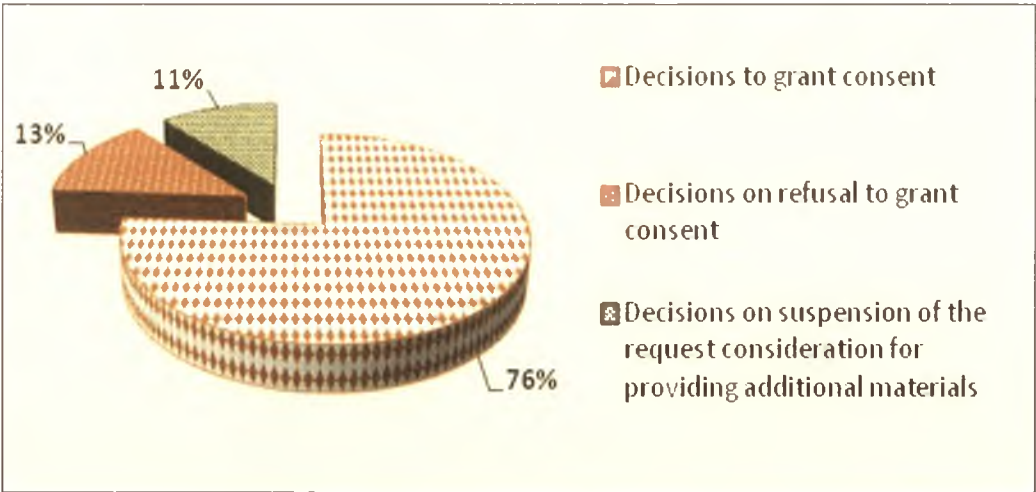


Figure 3.3. Results of Processing Requests on Including the Designation Containing the Official Name of the State "Ukraine" in a Trademark

3.2. Representation of Interests in Court Cases

In 2021, in order to ensure the representation of Ukrpatent and the Ministry of Economy, Ukrpatent specialists processed a total of 140 statements of claim received in 2021 and proceedings thereof were commenced, including:

57 cases on invalidation of trademark certificates (international registrations); 3 cases on invalidation of patents for inventions; 11 cases on invalidation of patents for utility models; 12 cases on invalidation of patents for industrial designs; 22 cases on early termination of trademark certificates (international registrations); 22 cases on appeal of decisions on applications for registration of intellectual property rights; 5 cases on invalidation of IP rights assignment agreements; 2 cases on invalidation of certificates on registration of copyright in works; 6 cases on other stated claims related, in particular, to infringement of IP rights, to recognition of trademarks as well-known in Ukraine, to recognition of illegal actions, to recognition of invalidity of normative legal acts and orders.

According to jurisdictions, the specified proceedings initiated in 2021, were as follows:

- in commercial courts – 66 cases;
- in civil courts – 71 cases;
- in administrative courts – 3 cases.

In order to ensure representation of Ukrpatent and the Ministry of Economy interests, representatives of Ukrpatent prepared 419 service documents (withdrawals, oppositions, statements, requests, claims), 100 internal requests for necessary materials.

A total of 137 decisions of courts of the first instance, appeals bodies and cassation courts were processed. Ukrpatent representatives took part in 225 court sessions.

A total of 3,273 court documents (subpoenas, court orders, decisions, resolutions) and procedural documents of the participants in the court process were processed.

To comply with the decisions by courts (decisions on enforcement of claims), measures were taken to enforce 82 statements of claim, to cancel enforcement of 23 claims, and to enforce 38 decisions by courts. A total of 361 documents on the enforcement of court judgments were sent.

In 2021, according to court decisions, 29 certificates for trademarks, 12 patents for industrial designs, 1 patent for a utility model and 2 patents for inventions were invalidated (see table 3.8).

Table 3.8. Titles of protection invalidated by court decisions

Industrial property rights	2017	2018	2019	2020	2021
Inventions	1	1	2	1	2
Utility models	4	8	9	3	1
Industrial designs	5	11	9	2	12
Trademarks	31	40	37	43	29
Total	41	60	57	49	44

4 Implementation of Information Technologies

4.1. Development of Technological Automated Systems

The information and technological infrastructure of Ukrpatent (IT infrastructure) includes automated systems that provide document management on applications for registration of industrial property rights, copyright and contracts concerning the rights of authors to works, as well as ensure implementation of document management procedures for maintaining relevant state registers. As part of the IT infrastructure of the examining authority, there are three main technological automated systems: the Inventions Automated System, the Designations Automated System¹, and the Copyright Integrated Automated System. These automated systems provide for automation of a full cycle of document flow on applications for inventions, utility models, semiconductor product layouts, trademarks, industrial designs, geographical indications, registration of copyright and agreements related to the author's rights. Automated functions for monitoring the terms of consideration of applications, the quality of examination, preparing information for the state registration of patents and certificates for intellectual property rights, issuing and publishing thereof are implemented in the automated systems environment.

The entire cycle of forming, approving, signing, transmitting and registering documents

is carried out on the basis of electronic technology. The automated systems also implement user administration functions within the examination units.

Implementation of the concept of transition from paper to electronic technology in the processes of filing applications, examination, state registration, publication and maintenance of intellectual property rights required a deep modernization of the automated systems and significant investments for their adaptation and improvement. Therefore, in 2021, a project was launched to create a new integrated system for electronic applications filing. The system is created on the basis of microservice architecture.

In March 2021, a project was launched to create a new integrated electronic application filing environment (IEAFE). The implementation of this project will allow for combining services for filing electronic applications for registration of intellectual property rights within a single personal account. The IEAFE will allow the user to draft applications, to store them safely until they are sent to Ukrpatent, to apply a qualified electronic signature (QES) on application documents, to send such applications to Ukrpatent, to receive acknowledgements of receipt, to view application materials, to follow the application consideration process and to maintain correspondence with Ukrpatent. In comparison with previous versions of electronic application filing systems, user authorization

¹ The Designations Automated System was put into operation in September 2021 to replace the Marks for Goods and Services Automated System and the Industrial Designs Automated System.

requires the use of a personal certificate for applying the QES. This difference will allow for a more accurate identification of a person working in the IEAFE personal account. Completion of the IEAFE and its commissioning is scheduled for January 31, 2022.

4.2. Electronic Document Management. Filing of Electronic Applications

Ukrpatent, performing the functions of the NIPO, is to maintain the document flow related to consideration of applications for registration of intellectual property rights, as well as document management in the relevant state registers.

The document flow at Ukrpatent begins from the moment the application materials are received. These materials can be received both on paper through the automated system for incoming document flow of Ukrpatent and in electronic form through the electronic application filing system (EAFS) or the Electronic Interaction System of the Examining Authority (EISEA). In addition to application materials, secondary application documents and documents related to legal protection of registered intellectual property rights are also received.



Documents received in paper form are registered and digitized. Further, such documents, in electronic form, are sent to the appropriate technological system, depending on the type of intellectual property right.

The electronic document management at Ukrpatent is provided by the Inventions Automated System, the Designations Automated System, the Copyright Collective Automated System, with the help of which procedures for considering applications for registration of intellectual property rights and procedures for maintaining the validity of rights to registered objects in the state registers are carried out.

The general document management is provided by the specialized General Document Management Automated System (GDMAS). The system receives documents of various types, and in case such documents relate to intellectual property rights, then the GDMAS has the ability to transfer documents to respective technological systems.

In its turn, the GDMAS is certified by the State Enterprise "State Center for Information Resources of Ukraine" for connection to the System of Electronic Interaction for Executive Authorities and this ensures that the GDMAS provides the exchange of documents with ministries and authorities of Ukraine using the special communication channel.

In its information technology infrastructure Ukrpatent has also got the electronic interaction system, which is designed to connect external application programs of partner patent attorney firms thereto, for the mass exchange of documents, including applications. However, the said electronic interaction system is also used for submitting applications in electronic form.

Within the procedures of processing documents by technological systems, documents are exchanged between Ukrpatent and an applicant, an attorney, a right holder. Outgoing documents in electronic form run into the Outgoing Documents Automated System. The Outgoing Documents Automated System distributes and sends outgoing documents. The documents that have an email address are sent via electronic communication channels, respectively. If documents have a regular postal address, such documents are grouped by address and printed. Envelopes for corresponding documents are also printed. This approach to sending correspondence by mail has a significant economic effect. Envelopes with

documents are sent to the Ukrainian National Post Office (Ukrposhta).

Ukrpatent's information technology infrastructure center has the Central Electronic Document Archive (CEDA). Through the CEDA, documents are exchanged between various automated systems, including receipt of incoming documents, dispatch of outgoing documents and sending outgoing documents for mass signing. The system for signing of documents in bulk (ESD) is designed for remote signing of titles of protection, outgoing cover letters in electronic form.

Another component of Ukrpatent's information technology infrastructure is the Special Information System (SIS). The task of the SIS is to ensure publication of information in accordance with the requirements of the national legislation and international treaties to which Ukraine is a party. The SIS also allows for simplified and advanced searches of applications and titles of protection for intellectual property rights.

During the reporting period, electronic applications were filed through Electronic Applications Filing Systems (EAFS) – the EAFS-1, the EAFS-2 and the EISEA. Applications for inventions, utility models and trademarks are filed through the EAFS-1; applications for industrial designs are filed through the EAFS-2. Documents are exchanged between Ukrpatent and applicants through applicant personal accounts. The EISEA was created for conducting an electronic exchange between Ukrpatent and applicants, including for filing applications. Incoming documents from the EISEA users Ukrpatent receives through the following channels: personal account, email, SFTP. From Ukrpatent, outgoing documents are sent through technological automated systems and, depending on the EISEA user settings, can be sent to addressees via the same channels: personal account, email, SFTP.

During 2021, the systems were upgraded due to changes in the national legislation and the need to maintain the EAFS-1, the EAFS-2 and the EISEA operational.

4.3. IT Infrastructure Development

A reliable, high-performance IT infrastructure, its compliance with the needs and peculiar features of Ukrpatent as the examining authority make the basis for its effective operation. Ukrpatent's IT infrastructure consists of the Data Processing Center, the information and telecommunications system, automated systems for process management and the information security system. The information and telecommunications system includes the data processing and storage center and the telecommunications network.

In order to support and develop the IT infrastructure of Ukrpatent in 2021, the system for its monitoring was built to provide centralized control with the use of automatic and automated mechanisms for determining the causes of possible failures for organizational management and technological process management (including industrial, electronic, communication equipment, other technical and technological means), as well as to automate user activities and improve the quality of IT services.



The following IT equipment was purchased and put into operation:

- racks for the HPE MSA 2050 LFF Disk Enclosure data storage system – 2 pcs., to expand the high-performance HPE MSA 2050 data warehouse with a usable capacity of 200 TB for growing backup storage needs;
- network equipment, namely network switches HPE 5130 24G PoE+ 4SFP+ EI

Switch\w 5y Service Support – 4 pcs., network switches HPE Aruba 2540 48G 4SFP+ Switch\w 5Y Service Support – 4 pcs.;

– server equipment: HPE Synergy 12000 chassis – 2 pcs., and the HPE Synergy 480 Gen10 Server – 4 pcs.

New high-performance switches made it possible to replace access switches (for user computers) with a bandwidth of 100 MB to 1 GB, which increases the speed of information exchange between users and servers. PoE switches have also been introduced to support devices that use PoE (WiFi routers and access points).

Microsoft Exchange Server 2019 software products were purchased and a mail system for 600 users was built. This makes it possible to use new technologies, such as processing and forwarding email messages, sharing calendars and tasks, support for mobile devices and web access, integration with voice messaging systems.



Fortinet's FortiMail email protection system software product was purchased and put into operation; this provides improved multi-level protection against the entire range of email threats, including spam, phishing, malware, zero-day threats, impersonation, and corporate email hacking attacks. This significantly increases the level of functionality and security of automated systems.

5 Participation in International Cooperation Activities in the Intellectual Property Sphere and Implementation of International Projects



In accordance with the Law of Ukraine "On Amendments to Certain Laws concerning the Establishment of the National Intellectual Property Office" No. 703-IX dated June 16, 2020, which entered into force on October 14, 2020, the National Intellectual Property Office (hereinafter – NIPO) implements the state policy in the intellectual property sphere, performs delegated authoritative powers in the field of

intellectual property, determined by the current legislation of Ukraine. NIPO carries out international cooperation activities in the field of legal protection of intellectual property and represents the interests of Ukraine in matters of intellectual property protection at the World Intellectual Property Organization (hereinafter – WIPO) and other international and regional organizations in accordance with legislation.

5.1. Cooperation with WIPO



During the reporting year, specialists of Ukrpatent participated in WIPO events and closely monitored the processes of making significant decisions by the organization in order to respond in a timely manner and ensure

Ukraine's participation in the implementation of WIPO policy in compliance with the national interests of our state. To this purpose, Ukrainian experts participated in the work of the decision making bodies of WIPO as well as its principle committees and working groups on a regular basis.

In order to participate in the work of WIPO Standing Committees and Working Groups and in accordance with the approved Plan of International Activities of Ukrpatent for 2021, Ukrpatent specialists were involved in the work of 17 specialized international events of WIPO which were attended by more than 60 representatives of Ukrpatent (see table 5.1). Most of the mentioned WIPO events took place in online and hybrid formats, given the global outbreak of COVID-19 coronavirus and introduction of anti-pandemic restrictions by WIPO.

Table 5.1. WIPO events attended by specialists of Ukrpatent

Event Title	Event Venue and Date
Committee of Experts of the Vienna Union: Eighth Session (virtual)	Geneva, Swiss Confederation February 1-3
Committee of Experts of the Nice Union: Thirty-First Session (virtual)	Geneva, Swiss Confederation April 19-24
Standing Committee on the Law of Trademarks, Industrial Designs and Geographical Indications: Forty-Fourth Session (virtual)	Geneva, Swiss Confederation, May 17-19
Third meeting of the PCT Minimum Documentation Task Force (virtual)	Geneva, Swiss Confederation, June 17-21
Patent Cooperation Treaty Working Group: Fourteenth Session (virtual)	Geneva, Swiss Confederation, June 14-17
Standing Committee on Copyright and Related Rights: Forty-First Session (virtual)	Geneva, Swiss Confederation, June 28 - July 1
Program and Budget Committee: Thirty-Second Session (virtual)	Geneva, Swiss Confederation, July 12-16
Committee on Development and Intellectual Property: Twenty-Sixth Session (virtual)	Geneva, Swiss Confederation, July 26-30

Event Title	Event Venue and Date
Intergovernmental Committee on Intellectual Property and Genetic Resources, Traditional Knowledge and Folklore: Forty-First Session (virtual)	Geneva, Swiss Confederation, August 30 - September 3
Advisory Committee on Enforcement Online Dialogue: First Meeting (virtual)	Geneva, Swiss Confederation, September 21
Program and Budget Committee: Thirty-Third Session (virtual)	Geneva, Swiss Confederation, September 13-17
Assemblies of the Member States of WIPO: Sixty-Second Series of Meetings (hybrid)	Geneva, Swiss Confederation, October 4-8
Committee on WIPO Standards: Ninth Session (hybrid)	Geneva, Swiss Confederation, November 1-5
IPC Revision Working Group: Forty-Sixth Session (hybrid)	Geneva, Swiss Confederation, November 8-10
Working Group on the Legal Development of the Madrid System for the International Registration of Marks: Nineteenth Session (hybrid)	Geneva, Swiss Confederation, November 15-17
Committee on Development and Intellectual Property: Twenty-Seventh Session (hybrid)	Geneva, Swiss Confederation, November 22-26
Standing Committee on the Law of Patents: Thirty-Third Session (hybrid)	Geneva, Swiss Confederation, December 6-9
Working Group on the Legal Development of the Hague System for the International Registration of Industrial Designs: Tenth session (hybrid)	Geneva, Swiss Confederation, December 13-15
Fourth meeting of the PCT Minimum Documentation Task Force (virtual)	Geneva, Swiss Confederation, December 13-17

In addition, in March 2021, Ukrpatent specialists participated in the 11th annual meeting of the PCT/MIA Quality Subgroup and International Preliminary Examining Authorities (IPO), as well as in the 28th meeting of International Authorities under the Patent Cooperation Treaty (PCT/MIA) of WIPO, which were held in the video conference format. Specialists of Ukrpatent annually join the work within the said meetings starting from 2016 when the office was appointed as an ISA/IPEA.

Representation of the Ukrainian Office at these events provides an opportunity for specialists of Ukrpatent to discuss with foreign

colleagues information on current issues related to the functioning of the ISA/IPEA, as well as issues related to monitoring the quality of international searches and international preliminary examination, to obtain relevant practical information, expanding the prospects of applying the best world experience in conducting international searches and preliminary international examination in the Ukrainian Office, joining the consideration of a number of topical issues and developing proposals for ensuring the effectiveness of quality management systems, determining ways of better mutual understanding and interaction between patent

offices, preparing proposals for making changes in regulatory documents of the PCT with the purpose of forming the basis for the effective functioning of offices and examination, carrying out data exchange and providing access to electronic services of the PCT system, preparing effective regulatory and informational institutions documents for the work of both offices and applicants, etc.

An important event in 2021 was the participation of representatives of Ukraine in the 62nd Series of Meetings of the Assemblies of the Member States of WIPO, which was held in a hybrid format at WIPO headquarters in Geneva from October 4 to 8.

The delegation of the Government of Ukraine was headed by Volodymyr Hryniuk, First Deputy Minister of Economy of Ukraine. The delegation included representatives of the Ministry of Economy, Ukrpatent and the Permanent Mission of Ukraine to the United Nations and other international organizations in Geneva.



During the Series of Meetings, the WIPO Director General Daren Tang presented a report on the main results of WIPO's activities in 2020 and identified the main directions of development in the coming years. The head of WIPO also emphasized the importance of making collective efforts both on the part of WIPO and all representatives of the IP sphere to fight global challenges and threats to all humanity and the planet.

Over the plenary session of the General Assembly, the Ukrainian side made a general statement where the delegation expressed its appreciation to WIPO for the efforts made by

the organization for its successful activities in the difficult conditions caused by the pandemic, as well as for fruitful bilateral co-operation. Ukraine once again emphasized its desire to join the Regional Group of the Central European and Baltic States (CEBS) in view of the Euro-Atlantic and European integration of our country and also noted the importance of observing the principles proclaimed in the United Nations General Assembly Resolution 68/262 dated March 27, 2014, "Territorial Integrity of Ukraine" in the procedure of international registration of rights in trademarks and inventions.

As part of the event, a meeting between Volodymyr Hryniuk and Daren Tang was held. Current issues of bilateral co-operation were discussed, and the Memorandum of Understanding between the Ministry of Economy and WIPO was signed. The WIPO Director General congratulated the Ukrainian party on the successful implementation of a number of joint projects, including the creation of the National Intellectual Property Training Center (IP Academy) and the Technology and Innovation Support Centers network (TISCs), the implementation of the system of alternative dispute resolution in the field of IP, and joining the WIPO ALERT data exchange platform. The delegation of the Government of Ukraine also held a working meeting with Hasan Kleib, the WIPO Deputy Director General for the Regional and National Development Sector. During the meeting, the parties discussed a plan of measures to implement the Memorandum of Understanding signed on October 5. The main attention was paid to the co-operation on the use of artificial intelligence during the examination of IP rights, the activities of the National IP Training Center (IP Academy), the audit of IP rights in the public sector of the economy (IP Audit), the functioning of the TISCs network, as well as the conduct of joint educational activities, including the joint Summer School on Intellectual Property.

Within the event, representatives of the Ministry of Economy and Ukrpatent held a meeting with representatives of the Mexican Institute of Industrial Property, where they discussed the prospects for the development of bilateral co-operation within the framework

of the implementation of the Memorandum of Understanding in the field of IP between the Ministry of Economy and the Mexican Institute of Industrial Property, signed on September 28, 2018. As separate areas of co-operation, the Ukrainian party proposed conducting joint educational online events, as well as the registration of geographical indications from the United Mexican States in Ukraine according to the national procedure.

One of the priority areas of WIPO activity is the organization of training in the field of intellectual property to improve the professional level of various target groups.



WIPO traditionally invites Ukrainian specialists to participate in various regional seminars, learning courses and trainings on intellectual property issues. Thus, during 2021, representatives of Ukrpatent took part in more than two dozen online events organized under the auspices of WIPO, including the following:

- WIPO Online Seminar on Intellectual Property and Genetic Resources (January 20-22);
- WIPO consultation and information meeting on joint preparation and organization of a campaign to celebrate the World IP Day in 2021 (February 15);
- WIPO online event on the support of the further inclusion of copyright to the proposal (IP/C/W/669) and the World Trade Organization (WTO), which provides for the

suspension of certain provisions of the TRIPS Agreement for all the WTO members for the prevention, containment and treatment of COVID-19 (March 22);

- IP Week (April 26-29);
- WIPO Online Seminar on Toolkit on Using Inventions in the Public Domain (May 25-27);
- WIPO online event on the efforts to promote investment, development, international awareness, and collaboration to achieve greater adoption of critical innovations and IP to address climate change and related environmental and social problems globally (June 3);
- WIPO Online Training Workshops for National Offices on Operations of the Madrid System (June 29 - July 2, and September 23-24);
- WIPO International Online Seminar on Harnessing Public Research for Innovation in the Time of COVID-19 and Beyond – the Role of Knowledge Transfer Policies (July 20);
- WIPO International Summer School on Intellectual Property (July 19-30);
- WIPO Worldwide Symposium on Geographical Indications (September 6-8);
- WIPO Conversation on Intellectual Property (IP) and Frontier Technologies: Fourth Session (September 22-23);
- WHO, WIPO, WTO Online Workshop on Innovation in, and Access to, COVID-19 Technologies (September 27);
- Online Event dedicated to the Day of Inventors and Rationalizers of Ukraine (September 27);
- 2021 WIPO Intellectual Property Judges Virtual Forum (November 10-12);
- The Third online event "Women in the field of IP" (October 12);
- WIPO consultation and information online meeting on the preparation to celebrate the World IP Day 2022 (October 21);
- Virtual Presentation of the new WIPO online resource "WIPO IP Diagnostics", a tool for IP diagnostics (November 9);
- WIPO Global TISC Online Conference (November 29 - December 1), etc.

5.2. Implementation of International Projects Coordinated by WIPO

Ukraine highly appreciates WIPO's comprehensive support in promoting the development of a balanced and effective system of legal protection of intellectual property at the international level in general and for the national economy of our country in particular.

Implementation of the Technology and Innovation Support Centers project (TISC)

The Technology and Innovation Support Center (hereinafter – TISC) is an international project of the World Intellectual Property Organization, which has been implemented in Ukraine since 2018 on the basis of the Memorandum of Understanding between the Ministry for Development of Economy, Trade and Agriculture of Ukraine and the World Intellectual Property Organization on the establishment of the Technology and Innovation Support Centers in Ukraine dated July 26, 2018. The implementation of the TISC project falls under the competence of the Ministry of Economy of Ukraine and the State Enterprise "Ukrainian Intellectual Property Institute", on the basis of which the Central TISC functions. It coordinates the activities of the network of regional TISCs in Ukraine (Technology and Innovation Support Centers Network Development Section as part of the Division for Development of Intellectual Property Sphere).



The purpose of the Central TISC functioning is:

- implementation of the tasks defined in the Memorandum, namely facilitating access

to technological information and increasing opportunities for effective use of such information;

- creation of the TISC network by involving institutions working with intellectual assets in the project (higher education institutions, research institutions, engineering departments, enterprises, etc.);

- raising awareness in the field of intellectual property rights, namely on acquisition, exercise and protection of rights;

- providing free consultations in the field of intellectual property rights for applicants;

- conducting training and skills upgrading in the field of intellectual property law for representatives of regional TISCs.

Establishment of a regional TISC is provided by signing a memorandum of cooperation and an agreement on participation in the TISC project with the authority responsible for the project in Ukraine (Ukrpatent). The provisions of the memorandum and the agreement include joint participation in the implementation of the tasks defined in the Project Document of the Memorandum.

As of December 2021, 16 regional Technology and Innovation Support Centers have been established in Ukraine, mainly on the basis of higher education institutions in Kyiv, Kharkiv, Ternopil, Lviv, Dnipro, Cherkasy, Chernihiv, Rubizhne, Vinnytsia, and Poltava.

The total number consultations given by representatives of the Central TISC in the reporting period amounted to 263, the largest number of which concerned the protection and enforcement of trademark rights (131 or 49.8%). Also, a large share of requests concerned the assignment of intellectual property rights, drafting of agreements in the field of intellectual property, legal protection of copyright and related rights subject matters, analysis of the legal situation and rights protection strategy, performing patent information searches in databases and information and reference systems.

In 2021, the representatives of the Central TISC paid great attention to the support of regional projects of the TISC network, which consisted both in providing consultations and practical assistance on the acquisition and

exercise of intellectual property rights and in finding ways of cooperation for the development of regional projects, as well as in finding opportunities for involvement investments and financing.

During the reporting period, representatives of the Central TISC conducted educational activities aimed at increasing awareness and utilization of intellectual property rights, popularizing intellectual property and raising the level of inventive activity in Ukraine. In particular, in order to increase the awareness

and level of knowledge of the staff of the TISC network in the field of IP, 13 events were organized and held with an average number of participants at each event of 40-50 persons (see the list in table 5.2).

Furthermore, the popularization of intellectual property took place within the framework of the development and publication of educational and informational materials, articles, participation in events in the intellectual property sphere, innovative and scientific activities.

Table 5.2. List of events organized by the Central TISC in 2021

Event Title	Event Date	Event Venue
Presentation "Guideline on IP Protection for IT"	February 17	Unit.City Innovation Park (Kyiv)
The Third All-Ukrainian Congress of the Technology and Innovation Support Center Network Participants	February 18-19	Virtual
Opening of the Technology and Innovation Support Center at the National University "Yuri Kondratyuk Poltava Polytechnic"	March 23	Main building of the National University "Yuri Kondratyuk Poltava Polytechnic" (Poltava)
IP Webinar "Book Publishing and Intellectual Property"	March 24	Virtual
IP Webinar "Commercial secrets"	March 26	Virtual
Training "Copyright on the Internet"	April 15	Virtual
Discussion "Dissemination of knowledge in the field of IP for the formation of skills for product creation and commercialization"	April 27	Virtual
IP Webinar "Patent Strategies Construction"	April 28	Virtual
"Commercialization of intellectual property rights due to the construction of a business ecosystem and innovation activity in educational and scientific institutions"	June 25	Virtual
Presentation "Guideline on IP Protection in Marketing"	June 30	Virtual
"Peculiarities of carrying out a substantive examination of a patent application"	October 8	Virtual
Lecture: "Drafting and filing of international applications under the PCT procedure to the Receiving Office"	November 10	Virtual
Lecture: "The peculiarities of patent search (Patentscope and the EPO databases)"	December 21	Virtual

Implementation of the project to create the National Intellectual Property Training Center

In accordance with the Memorandum of Understanding between WIPO and the Ministry for Development of Economy, Trade and Agriculture of Ukraine, the project of the National Intellectual Property Training Center (IP Academy) was launched.

The mission of the IP Academy is:

- promoting the popularization of knowledge, formation and development of culture in the field of IP to ensure sustainable development of Ukraine;
- promotion of comprehensive creative development of the population;
- raising awareness of IP protection among specialists in certain fields (including training, retraining and skills upgrading);
- intense activity in the field of education and science: conducting scientific research and specialized conferences, developing proposals for the formation of the state policy in the field of IP (law-drafting activities), etc.;
- assistance in development and strengthening of human resources in the field of IP in Ukraine.

The implementation of the Memorandum and the functions of the National Intellectual Property Training Center in Ukraine are entrusted to the IP Academy Department (hereinafter – IP Academy).

In fulfillment of the Memorandum on the establishment of the National Intellectual Property Training Center, with the support and coordination of WIPO, in 2021, the following activity was performed:

1. The training of lecturers for the National Intellectual Property Training Center took place on Modules 1 and 2, where more than 3 dozen specialists in the field of IP participated, namely representatives of the state system of intellectual property protection, the private legal sector, the scientific environment, etc.
2. The project document of the National Intellectual Property Training Center was developed and approved.
3. The business plan for the further activities of the National Intellectual Property Training Center for reporting to WIPO was developed and approved.

4. Educational programs have been developed:

- Collective management of Copyright and Related Rights for the Music Industry and CMOs;
- Commercialization of IP rights for Lawyers, IP professionals and CMOs;
- Intellectual Property and Information Technology (IT);
- Intellectual Property and Film Industry.

5. The work was carried out on the creation of the IP Reference Library. About 100 copies of up-to-date publications were transferred by WIPO for the National Intellectual Property Training Center. Further, with the help of pooling of WIPO and Ukrpatent resources, it is planned to expand the library and access for citizens/participants of the IP Academy trainings and educational programs to high-quality books and reference books.

Besides, during the reporting period, 36 scientific, training and educational events were held and 11 scientific, scientific and methodical and popular science publications were prepared.

The abovementioned activities were attended by 2,013 people, 55% of them were women (1,263) and 45% were men (1,050). By professional field, the majority of participants were representatives of the private sector (46%, 1,053) and the scientific community (43%, 997), the share of representatives of the public sector was 11% (263).

Implementation of the project on alternative dispute resolution in the field of intellectual property

According to the Memorandum of Understanding between the Ministry for Development of Economy, Trade and Agriculture of Ukraine and the World Intellectual Property Organization on alternative dispute resolution in the field of intellectual property, the project aims to:

- provide services for alternative and effective settlement of disputes in the field of intellectual property in Ukraine and abroad in accordance with the WIPO Rules for Mediation, as well as training and skills upgrading of specialized mediators of intellectual property in Ukraine;

– conduct educational activity aimed at raising awareness of the alternative dispute resolution procedure in the field of intellectual property among stakeholders in Ukraine.

In pursuance of the regulations of the Memorandum, interactive online conferences, seminars, lectures and webinars were held in 2021, in particular:

- Webinars dedicated to mediation in the field of intellectual property "Around the world of mediation in 80 minutes" (2 events);
- Online intensive training course "International Intellectual Property School for Mediators" (December 16).

5.3. Cooperation with the European Patent Office

In 2021, Ukrpatent continued bilateral cooperation with the European Patent Office (EPO) in the field of the use of information resources:

- the EPO, within the framework of the executed agreement, provided Ukrpatent with access to the EPO's EPOQUE Net system during 2021;

- Ukrpatent continued to upload current assets of the national patent documentation to the EPO's FTP server to fulfill the obligations set by the current agreement on Ukrpatent's access to the EPO's EPOQUE Net system, and to ensure representation of the Ukrainian patent documentation in the EPO's Espacenet Internet resource.



During 2021, representatives of Ukrpatent participated in the work of 10 specialized international online EPO events (table 5.3). The events took place in online and hybrid formats, taking into account the introduction of anti-pandemic restrictions on the territory of the European Union.

Table 5.3. EPO events attended by specialists of Ukrpatent in 2021

EPO Event Title	Event Date
Online event of the EU4Digital program to strengthen the potential of national patent offices, intellectual property consultants and other participants of the innovation ecosystem to provide support services in the field of IP to startups and SMEs in the Eastern Partnership region	March 2
EPO online seminar in video conference mode "The European Patent System from filing to grant" regarding consideration of topical issues related to the procedure for granting of patents at the EPO and appeals	February 15 - March 9
Online Conference "EPO User Day"	April 19-20
"EPOQUE Net: The Art of Effective Search – medium level" (6-module series)	September 7-20, October 5-26, November 9-23

EPO Event Title	Event Date
High-tech Business Forum "Innovation Support Events for NPOs" (3-module series)	September 30, October 28, November 18
Annual patent search conference "Search Matters 2021"	October 6-8
A series of lectures dedicated to topical issues of intellectual property and innovations in the field of food industry	October 7-28
Online conference "New technologies in the field of health care"	October 28
Patent Knowledge Week	November 2-5

During the third and fourth quarters of 2021, specialists of the Department for Examination of Applications for Inventions, Utility Models and Layout Designs of Ukrpatent attended the EPO course "EPOQUE Net: The Art of Effective Search – medium level". In virtual EPO classrooms, the tool's capabilities were demonstrated using examples: complex search strategies, use of a combination of classification systems and keywords in search queries. The acquired knowledge will allow better systematize the search and choose the most effective search strategies further using the EPOQUE Net: The Viewer and X-Full tools.

In November 2021, the EPO held Patent Knowledge Week, which replaced the annual EPO Patent Information Conference and became a new online event to promote the dissemination of patent information and the generation of patent knowledge.

More than 2,100 participants from 91 countries of the world took part in the 2021 year event, including specialists from the Information Support Division of Ukrpatent. The new interactive format enabled the EPO to involve a larger number of interested parties. The program included presentations on general overview of the EPO information products and services, general overview of patent data, such as patent landscape, analytics, statistics, and tools for better understanding of information. A brief history and prospects of the industry of analytics and patent data, analytical reports of the EPO within the framework of the FETA activities (analysis of future and new technolog-

ies) were presented. The speakers devoted their presentations to the issues of substantiation of the use of patent information and the development of the INPADOC database, the worldwide database on legal status.



Over the course of the event, methods of further development of the INPADOC database were determined, due to the need to ensure the ability to prompt understanding the essence of legal events, effective search and analysis of patent data using legal events, a variety of codes and the need to organize similar codes for different patent authorities. In addition, the discussion related to Cooperative Patent Classification (CPC), namely issues of patent assessment and analysis, the use of patents for industrial designs as prior art, etc. As well, on the platform of the Patent Knowledge Week, an exhibition was held with the participation of 16 commercial suppliers of patent information products and services, one of which was the EPO.

5.4. Cooperation with the European Union Intellectual Property Office (EUIPO)



A significant event in 2021 was the signing of the Memorandum of Understanding on bilateral cooperation between Ukrpatent, which performs the functions of the National Intellectual Property Office (NIPO), and the European Union Intellectual Property Office (EUIPO) on May 14, 2021.

The Memorandum was signed by the Director General of Ukrpatent, Andrew Kudin, and the Executive Director of the EUIPO, Christian Archambeau.

The Memorandum was signed between the offices with the aim of forming a strategic partnership, expanding cooperation, sharing experience in the field of intellectual property

management, as well as strengthening their systems in the field of intellectual property and providing services. Within the framework of the Memorandum, the Offices will carry out measures for bilateral cooperation related to rights in trademarks and industrial designs aimed at users of intellectual property rights, Ukrpatent and its staff, as well as activities to ensure the rights protection.

"The signing of the Memorandum of Cooperation is one of the key aspects of the interaction of Ukrpatent with the Intellectual Property Office of the EU and other leading international institutions in the field of IP within the framework of the exercise of powers regarding the implementation of international cooperation in the field of IP rights protection and the representation of the interests of Ukraine in international organizations, provided by the Law of Ukraine "On Amendments to Certain Laws concerning the Establishment of the National Intellectual Property Office". Productive dialogue, support of European partners, development of partnership between Ukrpatent and the EUIPO are extremely important for the further strengthening of the Ukrainian IP Office on the international stage", noted Andrew Kudin.

During 2021, Ukrpatent representatives were involved in a number of the EUIPO international online events, in wherein about 60 Ukrpatent representatives took part (table 5.4).

Table 5.4. EUIPO events attended by specialists of Ukrpatent in 2021

EUIPO Event Title	Event Date
The signing of the Memorandum of Understanding on bilateral cooperation between Ukrpatent and EUIPO	May 14
Webinar "IP behind and inside movies – a practical analysis of today's movie industry" dedicated to intellectual property and brands in the film industry	June 15
Webinar on the topic of intellectual property in the eSports industry	September 7
Webinar "Success Factors for Internationalization" devoted to international market entry strategies for small and medium-sized enterprises (SMEs)	September 14
Online working meeting dedicated to the topic of bilateral cooperation between the Ministry of Economy and Ukrpatent with the EUIPO	September 15

EUIPO Event Title	Event Date
Award ceremony "Design Europa Awards 2021"	October 18-22
Technical seminar on the use of information tools and the implementation of practices developed on the basis of the EUIPO's European Union Intellectual Property Network (EUIPN)	November 29 - December 1

At the end of the year (November 29 - December 1), a technical seminar on the use of information tools and implementation of practices developed on the basis of the EUIPO's European Union Intellectual Property Network (EUIPN) was held in Kyiv. Representatives of the Ministry of Economy and Ukrpatent took part in the event organized by EUIPO for the IP Offices of Armenia, Azerbaijan, Georgia, Moldova and Ukraine.

The main tasks of the seminar were to provide a platform for cooperation for Offices outside the EU, to ensure the exchange of experience regarding the tools developed under the auspices of the EUIPN, and to promote the dissemination of these tools among the participating Offices. Also, in the focus of the workshop, were common practices on trademarks and industrial designs developed within the EUIPN, identification of common ways to achieve future goals according to the EUIPO Strategic Plan 2025 (SP2025).

As part of this event, on November 30, on the basis of Ukrpatent, working meetings of the EUIPO specialists were held with representatives of the management team and

leading specialists of Ukrpatent, as well as representatives of user associations, namely, representatives of the Ukrainian group of the International Association for the Protection of Intellectual Property (AIPPI), the International Trademark Association (INTA), the Ukrainian Trademark Association (UTA), the Ukraine Alliance Against Counterfeiting and Piracy and the Ukrainian Bar Association.

The EUIPO's activities on expanding international cooperation and developing productive partnerships with intellectual property offices outside the EU were presented at the meetings. Together with specialists from the Ministry of Economy and Ukrpatent, the EUIPO representatives discussed cooperation within the framework of the implementation of the Memorandum of Understanding on bilateral cooperation between Ukrpatent and the EUIPO, in particular, the final version of the joint work plan for 2022-2023. Among other things, the plan envisages measures to integrate Ukrpatent into the TMview and DesignView systems, technical cooperation activities in the form of working meetings and trainings, initiatives in the areas of educational activities, support of SMEs, etc.

6 Providing Public Access to Information Relating to Intellectual Property Rights Protection

6.1. Internet Resources of the State System of Intellectual Property Rights Protection

In 2021, Ukrpatent was presented on the Internet by the following main web resources

Official website of Ukrpatent	www.ukrpatent.org
Official page of Ukrpatent on the Facebook network	https://www.facebook.com/ukrpatent.org
Website of Patent Information Services Division of Ukrpatent	www.iii.ua
Website "Industrial Property Internet Exchange"	www.exchange.iii.ua
Website "Factory of Ideas"	www.fabrikaidei.iii.ua
Website "All-Ukrainian Competition "Invention of the Year"	www.vynahid-roku.iii.ua
Web portal of the TISC network	www.tisc.ukrpatent.org
Official page of the first Technology and Innovation Support Center (TISC) in Ukraine on the Facebook network	https://www.facebook.com/tisc.ua

In 2021, the works on updating and improving the official website of Ukrpatent www.ukrpatent.org continued. During the year, more than 1,350 information items and updated content units were posted on its webpages in Ukrainian and English, the majority of which belong to the "News" category. Constant and dynamic sections were updated with topical information on the events which took place in the state system of intellectual property (IP) legal protection throughout the reporting year. More than 1,800 photographic materials and thematic images were published including for the coverage of offline and online events. Sections and certain subsections, useful both

for specialists of the system and for applicants and interested parties (Industrial Property Rights, WIPO Standards, Bulletin "Industrial Property", Bulletin "Copyright and Related Rights", Fees and the State Duty, Appeals Chamber, Patent Information Collections, Legislation and Standards, For Users of Patent Information, Patent Attorneys, etc.) were regularly updated with new data.

In 2021, the Ukrpatent website attendance ratio exceeded 1 million 239 thousand users (456 thousand more than in the previous year). The total number of the navigated web-resource pages was more than 5.1 million (see figure 6.1).

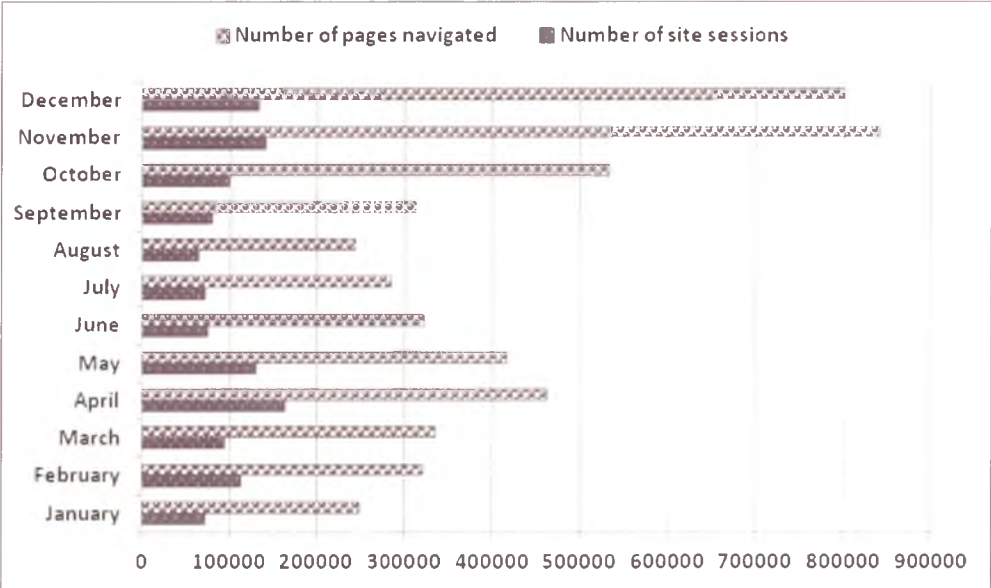


Figure 6.1. The number of visitors to the official website of Ukrpatent (www.ukrpatent.org) in 2021

The most active users of the website of Ukrpatent were Ukrainian citizens (46.3% of the total number of visits). The information on foreign

countries visitors to the website is presented in figure 6.2.

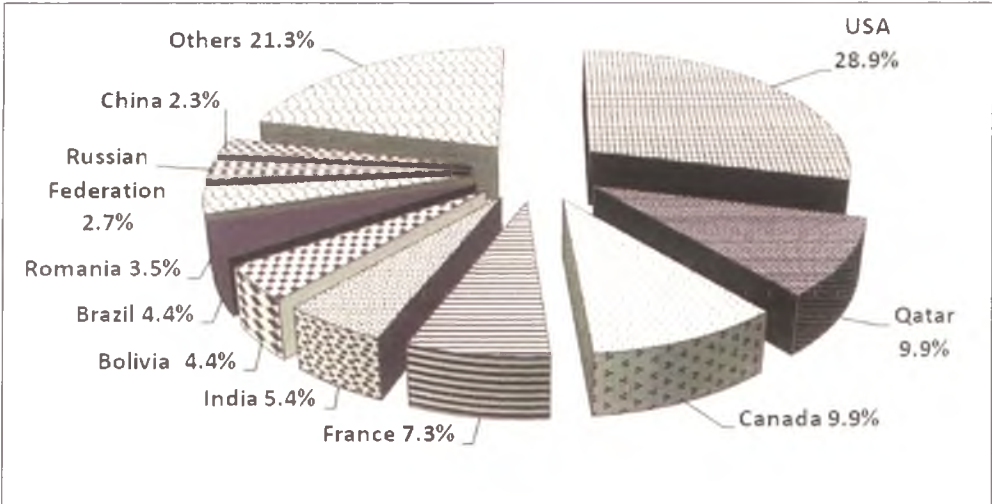


Figure 6.2. Foreign countries visitors to the official website of Ukrpatent (www.ukrpatent.org) in 2021

In 2021, more than 450 publications, more than 530 photos and illustrations were posted on the official page of Ukrpatent on Facebook.

Information content management and maintaining of Ukrpatent websites was carried out: "Patent Information Services Division",

"Industrial Property Internet Exchange", "Factory of Ideas", "All-Ukrainian Competition", "Invention of the Year". About 1,100 information materials were published on these resources, with about 760 news items among them, and more than 1,800 photo materials were prepared and posted.

In 2021, in order to provide information support and highlight peculiarities of IP rights use the "Information Support of Invention Activities" section which contains "Methodological Support", "Grant Programs", "Success Stories" and "Intellectual Property for Small and Medium-sized Enterprises (SMEs)" subsections was updated on the website of the Patent Information Services Division of Ukrpatent (www.iii.ua).

The innovative and information resource the Industrial Property Internet Exchange (exchange.iii.ua) is designed to promote registered inventions, trademarks and other industrial property rights on the market, to seek actively potential partners, investors and to place orders from the industrial economic sector.

The main purpose of the Factory of Ideas (fabrikaidei.iii.ua) is to identify, support and promote development of the gifted school, college and university students, young scientists, inventors and researchers.

The said Internet resources provide users with necessary information about partners and investors, relevant grants, competitions, conferences, research programs.

As of December 2021, 162 projects were produced, placed and updated at the Industrial Property Internet Exchange and 238 projects were produced, placed and updated at the Factory of Ideas.



As a part of implementation of the international project for creation of Technology and Innovation Support Centers, the Central TISC functions on the basis of Ukrpatent which

coordinates the activities of the network of regional Centers in Ukraine. In order to facilitate access to information in the IP sphere and extend communication with participants of the innovative and creative environment of Ukraine, the web portal of the TISC network in Ukraine (tisc.ukrpatent.org) was created.

6.2. Interactive Databases and Information and Reference

Access to standardized and up-to-date data on claimed and registered industrial property rights is crucial and vital for IP professionals and a wide range of users.



Thus, improvement of the new information resource launched in 2019, the Special Information System (SIS) of Ukrpatent (<https://sis.ukrpatent.org/>), which provides access to information on any industrial property rights in the mode as close as possible to the real time, was carried out in the reporting year. The functionality of the resource has been expanded. The system search mechanism which has a universal search interface provides open and authorized access (using a qualified electronic signature) to any document of the electronic file of an IP right. The SIS has three search mechanisms: simple, advanced and by notices.

The Simple Search does not require much experience of work with information about intellectual property rights. In this search mode, a user can perform a search by the following parameters: "Keyword", "Application Number", "Application Filing Date", "Title of Protection

Number", "Date from which rights have effect", "Applicant", "Inventor", "Owner", "Representative". The search is carried out in all registers of industrial property rights.

The Advanced Search has additional search tools. A user is given the option to restrict the search by the category of industrial property right and its legal status and subject to selected category of industrial property right and legal status, select the search parameter by which the search should be carried out. In addition, the user can use logical operators when entering the value of the search parameter.

The Search by Notices allows users to find information on industrial property rights in relation to which notices of a given type were published in the official bulletin "Industrial Property" in conformance with a specified time interval.



The SIS is provided with the function for getting original documents which can be downloaded using the document ID at: <https://sis.ukrpatent.org/uk/services/original-document/>.

In 2021, the resources as to registered copyrights and agreements related to the author's right to a work were added to the search capacity of the SIS.

To get information about intellectual property rights, the Application Programming Interface (API) was designed in the SIS for further creating own software products and conducting research by external users. Detailed information on the API usage, the API components and usage examples is available at: <https://sis.ukrpatent.org/uk/services/api-description/>.

The SIS also contains information from the State Register of Intellectual Property Representatives (patent attorneys). This section has a search form that allows users to search for a patent attorney by the registration number or the last name (https://sis.ukrpatent.org/uk/services/patent_attorneys/).

The SIS also implements the function of paying fees for actions related to intellectual property rights protection (<https://sis.ukrpatent.org/uk/payments/>).

Users of Information and Reference Systems (IRS) for international classifications have the opportunity of convenient and quick full-extent access to all editions/versions of classifications translated into Ukrainian which have expired and are available for information purposes. Thus, the IRS for the International Patent Classification (IPC), the International Classification of Goods and Services for the Purposes of the Registration of Marks (Nice Classification), the International Classification for Industrial Designs (Locarno Classification) and the International Classification of the Figurative Elements of Marks (Vienna Classification) have the option of access to the full array of classification materials translated into Ukrainian: from IPC 2006.01 to IPC 2021.01, from NCL (7) to NCL (11-2021), from VCL(6) to VCL(8), from LOC (9) to LOC (13).

In order to provide information support of a wide range of users of international classifications translated into Ukrainian, the feedback functions were implemented in the IRS environments for the Nice Classification and the Locarno Classification for their users to contact Ukrpatent specialists.

6.3. Publications in the Sphere of Intellectual Property Rights Protection

With the entry into force of the Law of Ukraine "On Amendments to Certain Laws on the Establishment of the National Intellectual Property Office" of June 16, 2020, No. 703-IX and in accordance with Part 1 of the Order of the Cabinet of Ministers of Ukraine of October

13, 2020, No. 1267-r "On the National Intellectual Property Office", according to which the Ukrpatent performs the functions of the National Intellectual Property Office. pursuant to Article 3¹(2) of the Law of Ukraine "On Protection of Rights in Inventions and Utility Models", Article 2¹(2) of the Law of Ukraine "On Protection of Rights in Industrial Designs", Article 2²(2) of the Law of Ukraine "On Protection of Rights in Semiconductor Product Layouts", Article 2¹(2) of the Law of Ukraine "On Protection of Rights in Trademarks and Service Marks", Article 3¹(2) of the Law of Ukraine "On Legal Protection of Geographical Indications", Article 4¹(2) "On Copyright and Related Rights", one of Ukrpatent's authorities is to publish official information on intellectual property rights.

In order to fulfill the specified authorities, the Order "On Publication of Data on Intellectual Property Rights" of November 2, 2020, No. 152-N/2020 was issued. This Order approves and puts into effect the Composition of Information on Claimed and Registered Intellectual Property Rights, other Official Data and Notices for Publication thereof (Composition of Information) and the Regulations on the Procedure for Publishing Information on Intellectual Property Rights, taking into account the latest changes made to special laws in the intellectual property sphere.

Thus, the bulletins "Industrial Property" and "Copyright and Related Rights" are issued by Ukrpatent from October 15, 2020.

Starting from January 1, 2021, the Bulletin "Industrial Property" (the official electronic bulletin of NIPO) is issued weekly, consists of two volumes and is available on the website of Ukrpatent at:

<https://ukrpatent.org/uk/articles/bulletin-ip>.

The Bulletin "Industrial Property" is a separate official online periodical electronic publication with an integrated search engine. Each volume of the bulletin contains the following data:

Volume 1 "Inventions, Utility Models, Semiconductor Product Layouts" includes the following sections:

- official communications;

- information about invention applications;
- information about the state registration of inventions;
- information about the state registration of utility models;
- information about the state registration of semiconductor product layouts;
- notices.

Volume 2 "Industrial Designs, Trademarks, Geographical Indications" includes the following sections:

- official communications;
- information about the state registration of industrial designs;
- information about trademark applications;
- information about granted certificates of Ukraine for trademarks;
- information about trademarks registered under the Protocol Relating to the Madrid Agreement Concerning the International Registration of Marks, with extension to Ukraine;
- information about trademarks registered under the Protocol Relating to the Madrid Agreement Concerning the International Registration of Marks, granted protection in Ukraine;
- information about well-known trademarks in Ukraine;
- information about applications for the state registration of geographical indications and about geographical indications for which protection is claimed in Ukraine on the basis of an international agreement;
- information about the state registration of geographical indications;
- information about the right to use registered geographical indications;
- notices.

The Bulletin "Copyright and Related Rights" is issued 6 times a year and is available on the Ukrpatent website at:

<https://ukrpatent.org/uk/articles/bulletin-copyright>.

The bulletin includes the following sections:

- official communications;
- information about the state registration of copyright in the work;

- information about the registration of agreements related to author's right in the work;
- indexes: the numerical index of certificates on registration of copyright in a work by copyright subject matters; personalized index of authors of the works; personalized index of employers;
- notices.

According to the Composition of Information, a specification to a patent of Ukraine for an invention (utility model) is an independent

official online electronic publication which is published with the frequency of the Bulletin "Industrial Property".

Specifications to patents for inventions and utility models were published on paper from 1993 to 2011 inclusive; since 2005 they have been presented on optical media as the National CD-ROM "Inventions in Ukraine".

In table 6 the figures on total number of publications on industrial property rights in the reporting year are presented.

Table 6. Publications on Industrial Property Rights, 2021

Type of Publication	Number of Publications
Applications for inventions accepted for examination	3,245
Patents of Ukraine for inventions	2,298
Patents of Ukraine for utility models	4,363
Certificates of Ukraine for industrial designs	1,751
Certificates of Ukraine for trademarks	22,455
Well-known trademarks in Ukraine	6
Registration of geographical indications	3
Trademarks registered under the Madrid Agreement Concerning the International Registration of Marks and/or the Protocol Relating to the Madrid Agreement Concerning the International Registration of Marks to which protection was granted in Ukraine	8,443
Certificates on registration of copyright in a work	7,318
Registration of agreements related to author's right in a work	306

In the reporting period, the distribution of publications of the state system of intellectual property legal protection (on optical carriers) was provided on free-of-charge basis.

6.4. The Public Patent Documentation Collection

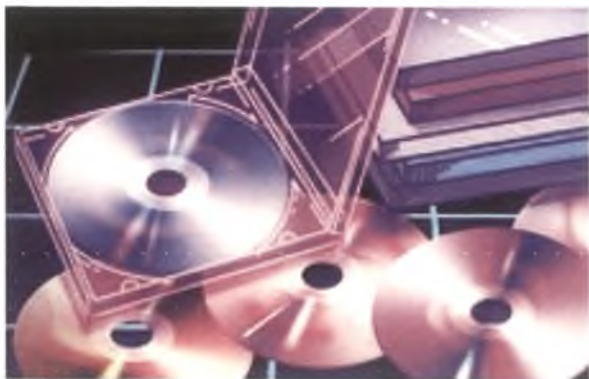
In order to satisfy public needs for patent information in Ukraine, the Public Patent Documentation Collection (PPDC) functions within the structure of the Patent Information Services Division of Ukrpatent.

The international exchange of patent documentation with foreign offices has been the main source of foreign patent documentation collection of the PPDC for a long time.

In the reporting period, the acquisition of the PPDC by national and foreign patent documentation (within the international exchange of patent documentation with foreign offices) continued, on optical carriers. As of December 31, 2021, the PPDC collection on optical discs contained over 34,400 thousand copies. Taken as a whole, the PPDC collection consists of national and foreign patent documentation from 65 countries from all over the world as well as from 4 international and regional organizations and it is represented on paper and electronic carriers. The PPDC is also supplied with scientific and technical literature, methodical, reference-and-information publications and periodicals.

In 2021, in order to provide access to patent information for the general public in the

process of industrial property rights creation, legal protection and utilization, the List of Foreign Industrial Property Databases with Free Internet Access with the resources of 60 patent offices, and the List of Scientific and Technical Databases and Reference Resources with Free Internet Access were published in the Hyperlinks section on the website of Ukrpatent.



The PPDC provides patent information services to the public both directly in its reading room as well as in remote access mode.

Information on the content of the PPDC and its quarterly updates is published in the appropriate sections on the website of Ukrpatent and on the webpage of the Patent Information Services Division (<http://iii.ua/>).

6.5. Provision of Patent Information Services and Consultations in the Field of Intellectual Property

In 2021, in order to meet the needs of legal entities and individuals in services related to acquisition and utilization of intellectual property rights (IPR), a total of 11,297 agreements were concluded by the Patent Information Services Division of Ukrpatent in accordance with the current procedure.

In general, during the reporting year, most of the concluded agreements concerned the

following types of patent information services:

- search for identical and similar designations through the information database of Ukrpatent;
- provision of services at the request of a customer to set the deadline for the examination of an application for a trademark;
- carrying out of the name and subject matter information searches;
- provision of practical recommendations on drafting application materials for IP rights;
- drafting and filing of applications for registration of copyright or agreements relating to author's right.

In 2021, advisory services on general and informative issues were provided free of charge. The total of 52,171 requests were received by the Patent Information Services Division for the period under review, including the following:

- 51,978 requests by telephone;
- 193 personal receptions of visitors.

Consultations on frequently asked questions were provided daily, namely on the issues relating to:

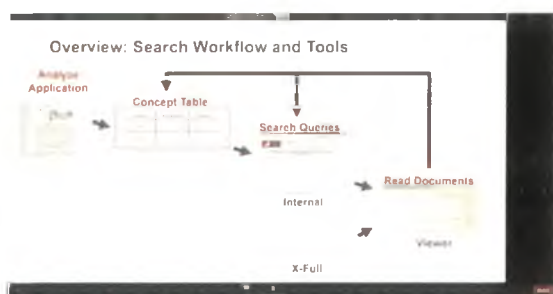
- matters on the procedure for obtaining legal protection for IP rights (drafting, filing and carrying out examination of applications) and payment of fees for the activities related to the protection of IP rights;
- matters on filing of applications for registration of copyright or agreements relating to author's right;
- matters on patent information searches in the Internet databases and information and reference systems.

In the reporting year, pursuant to inquiries of the Ministry of Justice of Ukraine, the State Tax Service of Ukraine, court-appointed managers, trustees in enterprises bankruptcy, 5,248 name (company) information searches of data on IP rights in Ukraine were carried out, including on a paid basis.

7 Training and Advanced Training of Specialists in the Field of Intellectual Property (IP). Dissemination of Knowledge in the Field of IP

7.1. Training Events to Improve Professional Level and Skills of Specialists in the Field of IP

In 2021, for professional development and to improve skills Ukrpatent specialists took part in a number of field-specific IP events organized both in Ukraine and abroad, including online meetings because of COVID-19 pandemic



Every year, on an ongoing basis, WIPO organizes a series of free virtual seminars (webinars) devoted to issues related to the PCT system, PATENSCOPE, functioning of the Madrid, Lisbon, Hague systems, the Global Brand Database and the Global Industrial Design Database, WIPO standards, etc. In the reporting year, about 70 such webinars were held with participation of almost two hundred representatives of Ukrpatent.

In the reporting year, about eighty specialists of Ukrpatent took part in various WIPO Distance Learning courses, including:

- DL-101 General Course on Intellectual Property;
- DL-201 Advanced Course on Copyright and Related Rights;
- DL-203 Advanced Course on Intellectual Property, Traditional Knowledge and Traditional Culture Expressions;
- DL-301 Advanced Course on Patents;
- DL-302 Advanced Course on Trademarks, Industrial Designs and Geographical Indications;
- DL-317 Advanced Course on Arbitration and Mediation Procedure under the WIPO Rules;
- DL-318 Advanced Course on Patent Information Search;
- DL-320 Advanced Course on Basics of Patent Drafting;
- DL-450 Advanced Course on Intellectual Property Management;
- DL-511 Software Licensing Including Open Source.

In the reporting year, Ukrpatent representatives participated in international online events organized by foreign international governmental and non-governmental organizations and leading patent offices of the world (table 7).

Table 7. International events in which Ukrpatent specialists participated in 2021

Title of the online event	Date	Organizer
Webinar "Libraries Mean Business" and the "Electronic Information for Libraries (EIFL)" project	April 26	International Federation of Library Associations (IFLA)
Webinar on the Role of Intellectual Property Rights in Termination of the COVID-19 Pandemic	May 24	Information Technology & Innovation Foundation (USA), Geneva Network (United Kingdom)
Online conference "World Intellectual Property Review (WIPR) Trademarks Live"	June 8-10	WIPR Newton Media (United Kingdom)
Participation in the study of the Research4Life project by the Inasp company	June 10-20	Inasp
Online training course "One Belt and One Road" on IP	June 21-30	National Intellectual Property Administration of China (CNIPA)
Regional seminar on IP	October 4-5	Patent Office of the Republic of Bulgaria
International specialized AGEPI exhibition "INFOINVENT" (online)	November 17-20	State Agency on Intellectual Property (AGEPI) of the Republic of Moldova
Meeting of the International Organization of Trademark Owners (INTA) (online)	November 15-19	INTA

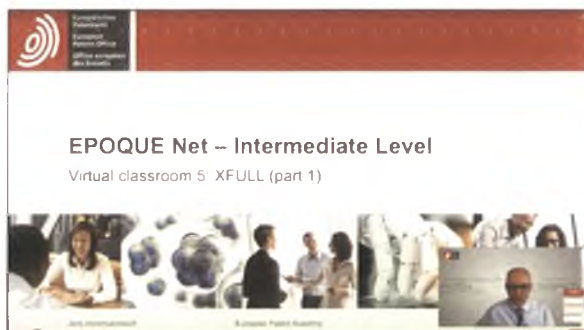
Representatives of Ukrpatent participated in other profession-oriented events on IP, organized by national, international governmental and non-governmental organizations with the aim of raising the qualification level and improving professional skills, in particular:

- an online discussion on the protection of intellectual property rights to traditional knowledge in the field of health care;
- an online seminar "IP culture on the Internet: respect for intellectual property rights" on the occasion of the Safe Internet Day;
- an online conference on the creative industries in the conditions of the COVID-19 pandemic: changing the formats of activity;
- the All-Ukrainian educational campaign "From an idea to its implementation" on the occasion of the World Intellectual Property Day;

- the IP Week in Ukraine in cooperation with WIPO, organized jointly with WIPO and the Ministry of Economy;
- the Week of IP commercialization in Ukraine, organized jointly with the Ministry of Economy, WIPO and with the support of the German Government through the German federal company "Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH";
- VIII International Forum on Intellectual Property IPF 2021 by the "Legal Practice" Publisher;
- trainings on the practice of application of the European Union (EU) industrial design legislation for Ukrpatent employees by the reform support team of the Ministry of Economy;
- WIPO-Ukraine Intellectual Property Summer School – 2021;
- the All-Ukrainian Forum "Ukraine 30. The Image of Ukraine";

- an event on the occasion of the Inventors Day of Ukraine, organized jointly with the Ministry of Economy and WIPO;
- an online seminar "Women in the field of IP" with the participation of experts from WIPO, the Ministry of Economy and Ukrpatent.

7.2. Informational and Educational Activity. Stimulation of Creative Activity



In order to popularize the field of intellectual property, to support and encourage inventive and innovative activities, in 2021, Ukrpatent held a number of educational events among the general public, during which its specialists gave a series of presentations and lectures devoted to topical issues in the field of IP: the work of Ukrpatent as an ISA/IPEA, analysis of the inventive activity of national applicants, informational support of innovative activity, development of electronic document management and information systems of Ukrpatent, etc.

Educational work was carried out among the following groups of participants: children and youth; students of higher educational institutions; scientific and pedagogical staff of educational institutions; representatives of small and medium-sized enterprises and startups; representatives of the public sector; representatives of the legal sphere and IP specialists.

During 2021, the following scientific, learning and educational events and trainings were held:

- an online seminar on IP culture on the Internet: respect for intellectual property rights;
- online lectures in the format of zoom bridges with universities (6 events);

- an offline copyright lesson "The magic of a dream fulfillment" at the National Specialized Children's Hospital "OHMATDYT";
- the All-Ukrainian educational campaign dedicated to the Intellectual Property Day 2021 (5 events);
 - online webinars dedicated to the World Book and Copyright Day (2 events);
 - the Inventor's Day events (2 events);
 - the cycle of seminar lessons "Simple things about IP" for secondary and high school children (4 events);
 - series of online webinars dedicated to the topic of academic integrity (2 events);
 - online lectures course "IP & Medicine: aspects of medical professionals activities";
 - series of online seminars "Creative industries in the context of the COVID-19 pandemic: changing business formats";
 - series of online webinars dedicated to IP mediation "Around the world of mediation in 80 minutes";
 - the two-day online workshop "Women in IP";
 - WIPO-Ukraine Summer School on Intellectual Property 2021;



- an online conference "IP Week in Ukraine in cooperation with WIPO";
- an online conference "IP commercialization week in Ukraine".

As part of the celebration of the World Intellectual Property Day 2021, a number of events were held:

- the All-Ukrainian educational campaign "From an idea to its implementation" on the occasion of the World Intellectual Property Day (April 21-30);
- the webinar "Creativity without lockdown restriction" dedicated to the World Intellectual

Property Day and the World Book and Copyright Day (April 23);

- the IP Week in Ukraine, organized jointly by WIPO, the Ministry of Economy and Ukrpatent (April 26-29).



In 2021, Ukrpatent specialists were involved in organizing events to celebrate the Day of the Inventor and Innovator of Ukraine, in particular:

- coverage of thematic events dedicated to the celebration of the Day of Inventor and Innovator of Ukraine 2021 in the news on the website of Ukrpatent and on the Facebook page;
- preparation of thematic graphic materials for the design of the website and official Facebook page of Ukrpatent;
- an educational open lesson on the basics of intellectual property for students of the National Ecological and Naturalistic Center for Students (NENC) as part of the celebration of the Day of the Inventor and Innovator;
- a tour of the Museum of Intellectual Property Legal Protection of Ukrpatent for the participants of the Startup School of the Bohdan Khmelnytsky National University of Cherkasy;
- an online event dedicated to discussing topical issues in the field of inventive activities in Ukraine.

In order to implement measures aimed at promoting knowledge and forming the culture in the field of intellectual property, as well as carrying out information and educational activities among young people, on September 21, 2021, on the basis of the National Ecological

and Naturalistic Center for Students (NENC), Ukrpatent specialists held an open lesson for students on the basics of intellectual property as part of the celebration of the Day of the Inventor and Innovator.

During the lesson, attention was paid to the basic concepts and ideas underlying intellectual property. The NENC students learned how innovative and creative ideas are implemented, who can be considered an inventor, author, what are industrial property rights, copyright and related rights, how to register their own subject matter, get a title of protection and gain from intellectual property. In addition, the children were demonstrated examples of the most ridiculous inventions that people came up with, and also learned about outstanding authors and inventors whose creative and innovative developments significantly changed the world.



As part of the promotion of Ukrpatent's information and educational activities, the section "Articles and Event Materials" of the Ukrpatent website published reports presented by Ukrpatent specialists at various events on intellectual property issues, as well as articles and information materials published in the magazines "Intellectual Property in Ukraine" and "Inventor and Innovator". During the year, the series "Thematic publications about outstanding people, memorable dates and events" was updated with new articles.

Annexes

1. Statistics

1.1. Applications for inventions by origin and procedure, 2017-2021

Code	Country	National procedure					PCT procedure				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
UA	Ukraine	2,107	1,973	2,010	1,374	1,297	4	2	1	3	5
AT	Austria	–	3	1	–	2	35	29	30	24	24
AU	Australia	–	1	–	–	2	6	8	9	11	13
BE	Belarus	7	1	2	5	6	52	44	42	26	47
CA	Canada	2	–	1	4	4	14	10	14	20	22
CH	Switzerland	3	4	4	20	13	200	216	183	183	199
CN	China	1	2	–	4	4	31	37	51	96	127
CY	Cyprus	4	12	5	4	5	1	1	2	–	1
CZ	Czech Republic	–	–	3	–	1	2	6	6	6	16
DE	Germany	25	31	29	46	38	208	248	200	175	177
DK	Denmark	6	8	3	1	3	30	33	28	41	29
ES	Spain	1	2	1	2	1	14	11	18	17	22
FI	Finland	1	2	–	1	1	11	13	13	4	11
FR	France	11	14	5	12	11	74	54	60	43	54
GB	United Kingdom	5	6	7	17	22	70	89	78	79	150
IE	Ireland	–	2	1	–	3	10	7	4	10	11
IL	Israel	6	3	1	1	3	6	4	12	13	17
IN	India	1	3	2	2	5	13	14	31	27	26
IT	Italy	5	4	5	2	2	41	49	22	44	43
JP	Japan	3	1	2	2	4	56	50	55	54	59
KR	Republic of Korea (South)	3	3	1	9	13	15	18	27	23	35
LU	Luxembourg	1	2	–	–	4	48	60	45	57	51
MT	Malta	–	–	1	2	1	3	2	–	3	7
NL	Netherlands	4	5	5	2	4	42	61	33	37	40
NO	Norway	1	–	–	–	–	9	9	9	10	17
PL	Poland	3	8	3	3	5	19	13	12	19	6
RU	Russian Federation	7	4	9	14	13	39	43	41	48	41
SE	Sweden	1	3	–	–	2	17	28	31	20	32
SK	Slovakia	12	10	1	11	6	1	–	4	2	1
TR	Turkey	1	1	1	1	–	19	8	10	2	5
US	USA	81	96	91	67	93	434	400	431	447	485
	Others	11	15	14	9	9	27	43	52	39	43
Total		2,313	2,219	2,208	1,615	1,577	1,551	1,610	1,554	1,583	1,816

1.2. Resident applications for inventions by regions of Ukraine, 2017-2021

Region	2017	2018	2019	2020	2021
The Autonomous Republic of Crimea	6	4	1	2	1
Vinnysia	35	31	45	37	29
Volyn	14	10	4	6	9
Dnipropetrovsk	214	223	182	142	143
Donetsk	61	54	70	37	36
Zhytomyr	30	28	21	14	12
Zakarpattia	54	44	47	39	23
Zaporizhia	83	59	46	41	45
Ivano-Frankivsk	39	43	38	40	35
Kyiv Region	82	77	60	56	59
Kirovohrad	27	34	20	13	12
Luhansk	22	15	15	12	12
Lviv	90	92	93	60	73
Mykolaiv	30	22	24	19	16
Odesa	168	140	143	76	80
Poltava	18	24	20	22	17
Rivne	10	6	12	5	4
Sumy	25	28	22	24	33
Ternopil	23	22	28	23	11
Kharkiv	322	268	336	208	200
Kherson	12	13	22	24	13
Khmelnyskyi	33	8	4	8	3
Cherkasy	39	16	44	12	5
Chernivtsi	6	8	4	1	3
Chernihiv	30	18	17	13	9
Kyiv	638	687	693	443	418
Sevastopol	–	1	–	–	1
Total	2,111	1,975	2,011	1,377	1,302

1.3. Applications for inventions by technology fields, 2017-2021

Technology field	Resident applications					Non-resident applications				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
Electrical engineering										
Electrical machinery, apparatus, energy	84	84	97	77	58	40	37	33	24	36
Audio-visual technology	10	14	10	7	5	9	5	6	10	23
Telecommunications	16	10	14	19	14	2	5	2	4	5
Digital communication	12	4	5	6	3	5	13	3	17	11
Basic communication processes	10	11	10	14	15	5	1	1	4	1
Computer technology	58	30	31	27	34	16	20	19	24	22
IT methods for management	5	9	10	4	5	10	12	9	11	15
Semiconductors	7	9	13	7	8	–	1	1	–	1
Instruments										
Optics	9	14	12	5	15	3	2	2	1	1
Measurement	117	145	137	104	84	27	25	26	17	31
Analysis of biological materials	51	55	51	21	10	15	7	9	11	16
Control	24	30	39	28	23	11	11	10	8	12
Medical technology	166	180	136	106	65	29	48	45	42	35
Chemistry										
Organic fine chemistry	45	43	50	23	30	175	182	165	187	191
Biotechnology	29	33	25	16	13	174	193	208	177	202
Pharmaceuticals	120	121	145	78	72	351	350	341	386	449
Macromolecular chemistry, polymers	17	17	19	12	8	20	27	30	21	18
Food chemistry	92	118	94	55	50	60	66	57	63	52
Basic materials chemistry	63	63	58	42	39	164	151	156	143	172
Materials, metallurgy	117	81	79	81	88	89	81	75	79	78
Surface technology, coating	34	52	51	39	46	22	30	21	40	31
Micro-structural and nano-technology	13	10	13	6	10	2	1	–	–	1
Chemical engineering	107	104	109	62	44	48	42	48	43	40
Environmental technology	52	38	39	32	31	14	19	15	11	19
Mechanical engineering										
Handling	45	31	50	34	27	86	71	52	25	40
Machine tools	76	48	61	52	24	22	29	31	21	28
Engines, pumps, turbines	101	94	112	69	63	29	26	31	41	36
Textile and paper machines	8	13	13	3	3	21	24	21	10	17
Other special machines	153	144	147	86	94	68	102	108	98	106
Thermal processes and apparatus	53	68	44	31	19	32	31	21	17	21
Mechanical elements	74	57	55	26	36	25	26	18	29	20
Transport	94	68	85	46	76	26	40	25	37	27
Other fields										
Furniture, games	20	25	23	18	22	13	16	21	18	27
Other consumer goods	20	16	20	18	19	83	108	95	137	225
Civil engineering	95	95	103	69	79	48	49	46	46	66
Unknown	112	40	51	54	70	10	3	2	17	16
Total	2,111	1,975	2,011	1,377	1,302	1,753	1,856	1,751	1,821	2,091

1.4. Patents for inventions by origin, 2017-2021

Code	Country	2017	2018	2019	2020	2021
UA	Ukraine	1,224	1,203	1,248	1,086	990
AT	Austria	25	19	28	28	29
AU	Australia	7	8	7	2	11
BE	Belgium	29	26	27	25	41
CA	Canada	12	6	15	12	8
CH	Switzerland	153	117	117	118	152
CL	Chile	–	–	–	1	3
CN	China	20	15	26	37	34
CY	Cyprus	4	3	–	8	9
CZ	Czech Republic	10	13	8	4	5
DE	Germany	171	190	130	136	170
DK	Denmark	13	21	21	11	23
ES	Spain	15	13	11	8	14
FI	Finland	15	6	5	17	11
FR	France	83	81	55	61	50
GB	United Kingdom	50	50	46	45	58
HU	Hungary	6	7	3	5	7
IE	Ireland	14	13	7	7	7
IL	Israel	8	18	8	6	7
IN	India	9	9	7	14	15
IT	Italy	44	37	27	35	37
JP	Japan	73	37	38	50	56
KR	Republic of Korea (South)	11	24	8	10	17
LU	Luxembourg	19	32	56	44	54
MT	Malta	2	2	6	2	4
MX	Mexico	2	1	–	3	5
NL	Netherlands	46	38	33	35	45
NO	Norway	9	5	5	11	5
PL	Poland	20	16	10	11	14
PT	Portugal	1	4	3	–	3
RU	Russian Federation	27	27	18	30	50
SE	Sweden	25	24	14	14	26
SK	Slovakia	1	–	5	9	6
TR	Turkey	2	10	1	5	5
US	USA	407	377	240	265	309
	Others	33	17	22	24	18
Total		2,590	2,469	2,255	2,179	2,298

1.5. Patents for inventions by technology fields, 2017-2021

Technology field	Resident grants					Non-resident grants				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
Electrical engineering										
Electrical machinery, apparatus, energy	56	51	41	42	50	18	27	30	26	33
Audio-visual technology	8	4	6	5	4	33	14	3	1	7
Telecommunications	9	7	15	7	8	2	2	1	1	1
Digital communication	0	4	8	2	3	17	14	2	7	5
Basic communication processes	9	17	8	6	10	4	–	1	2	3
Computer technology	29	33	35	21	12	10	17	6	5	17
IT methods for management	2	1	2	2	2	4	1	3	3	8
Semiconductors	9	4	8	5	7	1	3	–	1	–
Instruments										
Optics	8	9	10	8	5	3	2	3	1	3
Measurement	82	89	76	82	83	16	17	10	23	21
Analysis of biological materials	30	31	36	34	20	4	6	4	6	9
Control	20	22	21	10	18	4	8	5	8	8
Medical technology	91	100	92	91	55	18	24	15	20	28
Chemistry										
Organic fine chemistry	28	29	44	31	29	140	144	110	124	143
Biotechnology	15	16	26	15	13	90	108	85	64	84
Pharmaceuticals	68	77	91	75	70	277	243	178	185	257
Macromolecular chemistry, polymers	10	11	9	12	11	17	13	19	17	29
Food chemistry	91	86	87	55	32	43	37	21	30	35
Basic materials chemistry	42	46	22	39	42	141	131	86	108	108
Materials, metallurgy	81	51	66	58	53	76	53	66	63	72
Surface technology, coating	28	21	30	39	32	30	27	21	21	21
Micro-structural and nano-technology	4	8	5	8	7	1	1	–	–	–
Chemical engineering	60	66	76	62	70	52	28	28	33	37
Environmental technology	29	30	27	17	24	14	12	10	10	10
Mechanical engineering										
Handling	25	26	30	19	23	53	39	27	21	53
Machine tools	42	62	51	40	38	17	20	18	14	28
Engines, pumps, turbines	62	33	50	40	41	15	18	18	22	20
Textile and paper machines	8	5	9	10	2	18	8	12	17	20
Other special machines	86	102	82	77	84	62	56	49	80	62
Thermal processes and apparatus	37	28	27	30	19	25	20	25	24	22
Mechanical elements	34	31	32	31	21	18	17	18	18	16
Transport	38	35	47	41	40	17	27	21	23	21
Other fields										
Furniture, games	13	6	10	10	11	6	9	8	5	16
Other consumer goods	10	4	11	9	4	67	70	66	62	71
Civil engineering	60	58	54	48	43	51	47	35	48	39
Unknown	–	–	4	5	4	–	1	2	1	1
Total	1,224	1,203	1,248	1,086	990	1,366	1,266	1,007	1,093	1,308

1.6. Applications and patents for utility models by origin, 2017-2021

Code	Country	Applications					Patents				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
UA	Ukraine	9,155	9,118	8,440	5,053	4,333	9,365	8,471	8,288	6,229	4,214
AE	United Arab Emirates	–	–	–	1	3	–	–	2	1	3
BY	Belarus	13	8	12	14	7	10	6	13	8	13
CN	China	1	2	2	6	2	2	1	2	8	1
CY	Cyprus	27	55	16	16	16	4	51	39	24	15
CZ	Czech Republic	2	3	1	2	1	1	–	5	2	1
DE	Germany	6	5	1	1	1	2	3	2	2	1
ES	Spain	–	1	–	1	1	1	–	1	–	2
FI	Finland	1	1	1	2	–	1	–	2	1	2
GB	United Kingdom	5	2	13	–	3	2	6	–	13	1
HK	Hong Kong	–	–	5	94	–	–	–	–	26	51
LU	Luxembourg	–	1	–	1	4	–	–	–	–	–
MH	Marshall Islands	–	–	–	2	4	–	–	–	1	2
PL	Poland	6	5	6	37	25	1	7	2	24	34
RU	Russian Federation	47	24	13	15	12	29	38	18	18	14
SK	Slovakia	4	–	14	11	6	3	2	10	16	2
TR	Turkey	3	1	–	–	2	1	6	–	–	1
US	USA	13	5	1	3	5	8	8	1	1	4
	Others	17	28	24	10	0	12	21	27	11	2
Total		9,300	9,259	8,549	5,269	4,425	9,442	8,620	8,412	6,385	4,363

1.7. Applications and patents for utility models by technology fields, 2017-2021

Technology field	Applications					Patents				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
Electrical engineering										
Electrical machinery, apparatus, energy	258	267	248	169	132	249	253	255	191	158
Audio-visual technology	28	54	36	32	22	25	44	44	29	31
Telecommunications	67	76	74	50	46	63	60	65	58	55
Digital communication	22	19	16	14	6	24	16	17	15	9
Basic communication processes	154	149	74	29	38	178	173	80	58	38
Computer technology	138	126	146	66	69	126	118	115	89	57
IT methods for management	20	37	46	29	26	12	21	26	15	22
Semiconductors	56	54	55	32	34	62	43	67	39	31
Instruments										
Optics	30	36	32	21	33	44	31	34	20	30
Measurement	627	631	588	342	523	664	606	573	450	490
Analysis of biological materials	923	921	876	197	100	991	973	872	316	108
Control	191	216	234	148	142	203	185	199	174	109
Medical technology	984	1012	954	573	309	1138	856	946	828	301
Chemistry										
Organic fine chemistry	119	117	110	90	41	115	126	97	125	32
Biotechnology	103	107	81	51	31	104	92	95	72	33
Pharmaceuticals	553	558	600	434	102	637	520	526	565	146
Macromolecular chemistry, polymers	35	42	40	41	15	45	37	39	46	19
Food chemistry	571	604	542	267	190	562	530	566	391	209
Basic materials chemistry	185	200	209	143	107	211	190	191	176	126
Materials, metallurgy	277	249	228	144	153	251	248	242	184	137
Surface technology, coating	78	89	90	62	73	96	83	87	70	70
Micro-structural and nano-technology	31	28	27	11	113	32	30	26	18	113
Chemical engineering	328	339	338	217	197	304	338	335	242	222
Environmental technology	169	191	181	121	128	181	154	184	136	123
Mechanical engineering										
Handling	263	190	176	132	111	234	210	194	149	102
Machine tools	352	348	285	166	142	398	307	322	222	153
Engines, pumps, turbines	170	162	185	129	121	188	157	183	142	111
Textile and paper machines	73	77	70	27	19	91	47	86	38	21
Other special machines	753	791	621	425	357	708	777	655	461	396
Thermal processes and apparatus	193	193	148	87	83	225	187	149	117	86
Mechanical elements	226	220	170	148	126	257	214	175	163	132
Transport	365	340	285	202	189	326	344	316	236	192
Other fields										
Furniture, games	115	99	111	101	94	111	88	100	100	86
Other consumer goods	100	104	117	112	82	113	95	102	110	90
Civil engineering	496	496	404	297	322	474	459	424	324	318
Unknown	247	117	152	160	149	0	8	25	16	7
Total	9,300	9,259	8,549	5,269	4,425	9,442	8,620	8,412	6,385	4,363

1.8. Applications for utility models by regions of Ukraine, 2017-2021

Region	2017	2018	2019	2020	2021
The Autonomous Republic of Crimea	25	9	7	5	–
Vinnysia	906	849	846	208	170
Volyn	63	67	57	62	59
Dnipropetrovsk	747	697	688	471	402
Donetsk	271	250	266	167	126
Zhytomyr	39	67	80	55	31
Zakarpattia	84	85	86	70	38
Zaporizhia	316	479	315	309	250
Ivano-Frankivsk	111	120	137	82	67
Kyiv Region	163	178	172	127	103
Kirovohrad	85	71	64	44	49
Luhansk	212	132	110	84	81
Lviv	390	355	344	203	189
Mykolaiv	110	149	145	63	66
Odesa	402	359	336	228	177
Poltava	257	286	226	148	136
Rivne	127	107	102	53	37
Sumy	157	97	118	81	73
Ternopil	283	297	344	321	302
Kharkiv	1,300	1,255	1,273	650	689
Kherson	119	92	119	84	55
Khmelnyskyi	81	113	88	59	63
Cherkasy	122	114	132	62	83
Chernivtsi	214	177	196	107	63
Chernihiv	45	46	47	24	30
Kyiv	2,517	2,662	2,134	1,284	992
Sevastopol	4	2	2	–	1
Unknown	5	3	6	2	–
Total	9,155	9,118	8,440	5,053	4,333

1.9. Industrial design applications and registrations by origin, 2017-2021

Code	Country	Applications					Registrations				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
UA	Ukraine	2,249	2,787	2,456	1,764	1,682	2,113	2,077	2,396	1,820	1,536
AT	Austria	2	7	1	2	–	1	4	5	1	2
AU	Australia	–	5	–	–	1	–	4	1	–	1
BG	Bulgaria	–	–	2	–	1	–	–	–	2	–
BE	Belgium	–	1	–	6	–	–	1	–	3	3
BY	Belarus	10	4	10	8	2	7	2	8	12	2
BZ	Belize	–	1	2	1	–	–	–	3	1	–
CA	Canada	–	6	2	–	–	1	–	6	2	–
CH	Switzerland	7	2	–	5	17	8	2	1	2	10
CN	China	6	5	30	48	24	8	–	9	41	35
CZ	Czech Republic	3	1	–	7	1	2	1	–	–	9
CY	Cyprus	20	18	13	18	20	11	17	15	14	22
DE	Germany	49	3	3	–	5	12	41	–	2	5
DK	Denmark	–	–	–	34	–	–	–	–	17	15
EE	Estonia	–	4	–	4	7	4	–	–	4	6
ES	Spain	2	3	–	3	6	–	2	3	–	4
FI	Finland	4	5	3	1	1	5	1	2	5	2
FR	France	11	16	5	4	6	11	21	1	3	5
GB	United Kingdom	9	15	31	18	4	7	8	11	23	4
GE	Georgia	6	1	1	–	1	2	–	2	–	1
IL	Israel	–	–	8	2	3	–	–	–	7	1
IN	India	1	1	9	–	1	–	1	3	7	1
IT	Italy	4	5	3	1	2	3	5	4	1	1
JP	Japan	12	21	3	17	1	14	15	10	4	16
KR	Republic of Korea (South)	–	17	–	4	–	–	5	12	1	3
KZ	Kazakhstan	–	1	–	4	–	–	–	1	–	4
LT	Lithuania	–	–	6	1	–	–	–	–	4	–
NL	Netherlands	–	–	3	–	2	1	–	3	–	1
PL	Poland	8	6	6	4	5	11	1	5	4	4
RU	Russian Federation	43	62	35	29	17	82	56	57	28	17
SE	Sweden	–	3	9	8	–	53	1	6	12	1
TR	Turkey	1	1	–	3	1	2	–	1	–	–
US	USA	20	26	35	27	25	13	20	26	27	35
	Others	13	15	3	3	3	19	12	8	–	6
Total		2,480	3,042	2,679	2,026	1,838	2,390	2,297	2,599	2,047	1,751

1.10. Industrial design registrations by classes of the LCL, 2021

Ranking	Class index	Class heading	Registrations	
			qty	%
1	09	Packages and containers for the transport or handling of goods	254	14.5
2	19	Stationery and office equipment, artists' and teaching materials	227	12.9
3	07	Household goods, not elsewhere specified	168	9.6
4	32	Graphic symbols and logos, surface patterns, ornamentation	161	9.2
5	08	Tools and hardware	156	8.9
6	15	Machines, not elsewhere specified	79	4.5
7	23	Fluid distribution equipment, sanitary, heating, ventilation and air-conditioning equipment, solid fuel	77	4.4
8	14	Recording, communication or information retrieval equipment	66	3.8
9	06	Furnishing	65	3.7
10	12	Means of transport or hoisting	57	3.3
11	13	Equipment for production, distribution or transformation of electricity	52	3.0
12	26	Lighting apparatus	48	2.7
13	21	Games, toys, tents and sports goods	44	2.5
14	01	Foodstuffs	38	2.2
15	02	Articles of clothing and haberdashery	32	1.8
16	11	Articles of adornment	30	1.7
17	03	Travel goods, cases, parasols and personal belongings, not elsewhere specified	28	1.6
18	25	Building units and construction elements	26	1.5
19	10	Clocks and watches and other measuring instruments, checking and signalling instruments	25	1.4
20	20	Sales and advertising equipment, signs	23	1.3
21	31	Machines and appliances for preparing food or drink, not elsewhere specified	18	1.0
22	24	Medical and laboratory equipment	16	0.9
23	28	Pharmaceutical and cosmetic products, toilet articles and apparatus	16	0.9
24	05	Textile piecegoods, artificial and natural sheet material	15	0.9
25	22	Arms, pyrotechnic articles, articles for hunting, fishing and pest killing	12	0.7
26	18	Typewriters and calculating machines	6	0.3
27	27	Tobacco and smokers' supplies	6	0.3
28	29	Devices and equipment against fire hazards, for accident prevention and for rescue	3	0.2
29	04	Brushware	2	0.1
30	16	Photographic, cinematographic and optical apparatus	1	0.1
31	17	Musical instruments	1	0.1
32	30	Articles for the care and handling of animals	1	0.1

1.11. International registrations under the Hague Agreement by origin, 2017-2021

Code	Country	2017	2018	2019	2020	2021
AT	Austria	8	4	4	4	4
BA	Bosnia and Herzegovina	–	2	4	1	1
BG	Bulgaria	3	8	3	4	2
CA	Canada	–	–	2	–	3
CH	Switzerland	157	151	138	92	107
CN	China	–	13	14	50	34
CY	Cyprus	13	4	20	10	11
CZ	Czech Republic	14	13	8	10	7
DE	Germany	45	45	45	54	44
DK	Denmark	2	3	4	1	5
EE	Estonia	7	1	–	1	3
ES	Spain	6	5	13	19	14
FI	Finland	5	4	1	2	1
FR	France	119	75	103	87	72
GB	United Kingdom	5	16	11	16	10
HR	Croatia	8	6	3	9	2
HU	Hungary	1	–	2	4	3
IL	Israel	–	–	–	2	1
IT	Italy	35	36	50	41	47
JP	Japan	5	1	6	7	8
KR	Republic of Korea (South)	7	2	4	4	3
LI	Liechtenstein	–	–	1	–	2
LV	Latvia	–	1	2	1	1
MD	Republic of Moldova	1	–	1	3	2
MT	Malta	1	1	–	4	4
NL	Netherlands	11	12	19	26	17
NO	Norway	1	2	2	–	1
PL	Poland	18	16	17	15	17
RS	Serbia	–	1	4	1	1
RU	Russian Federation	–	–	3	15	18
SE	Sweden	44	18	16	6	3
SI	Slovenia	6	1	1	–	1
	Others	14	22	11	18	3
Total		565	506	557	554	505

1.12. International design registrations by classes of the LCL, 2021

Ranking	Class index	Class heading	Registrations	
			qty	%
1	10	Clocks and watches and other measuring instruments, checking and signalling instruments	54	10.7
2	12	Means of transport or hoisting	54	10.7
3	9	Packaging and containers for the transport or handling of goods	49	9.7
4	11	Articles of adornment	42	8.3
5	3	Travel goods, cases, parasols and personal belongings, not elsewhere specified	36	7.1
6	14	Recording, telecommunication or data processing equipment	26	5.1
7	2	Articles of clothing and haberdashery	25	4.9
8	23	Fluid distribution equipment, sanitary, heating, ventilation and air-conditioning equipment, solid fuel	25	4.9
9	21	Games, toys, tents and sports goods	24	4.7
10	28	Pharmaceutical and cosmetic products, toilet articles and apparatus	22	4.3
11	32	Graphic symbols and logos, surface patterns, ornamentation	17	3.4
12	13	Equipment for production, distribution or transformation of electricity	14	2.8
13	25	Building units and construction elements	14	2.8
14	16	Photographic, cinematographic and optical apparatus	12	2.4
15	7	Household goods, not elsewhere specified	11	2.2
16	26	Lighting apparatus	11	2.2
17	24	Medical and laboratory equipment	9	1.8
18	6	Furnishing	8	1.6
19	19	Stationery and office equipment, artists' and teaching materials	8	1.6
20	15	Machines, not elsewhere specified	7	1.4
21	27	Tobacco and smokers' supplies	7	1.4
22	1	Foodstuffs	5	1.0
23	5	Textile piece goods, artificial and natural sheet material	5	1.0
24	20	Sales and advertising equipment, signs	5	1.0
25	8	Tools and hardware	4	0.8
26	4	Brushware	3	0.6
27	29	Devices and equipment against fire hazards, for accident prevention and for rescue	3	0.6
28	30	Articles for the care and handling of animals	3	0.6
29	18	Printing and office machinery	1	0.2
30	22	Arms, pyrotechnic articles, articles for hunting, fishing and pest killing	1	0.2

1.13. Trademark applications and registrations under the national procedure by origin, 2017-2021

Code	Country	Applications					Registrations				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
UA	Ukraine	26,275	27,327	29,828	23,841	27,029	12,986	13,553	14,788	16,839	19,166
AE	United Arab Emirates	46	40	36	45	85	24	21	27	43	43
AM	Armenia	14	8	7	4	1	3	3	15	5	3
AR	Argentina	1	3	1	9	7	4	3	1	2	1
AT	Austria	67	41	24	32	44	40	60	43	29	32
AU	Australia	5	3	2	10	12	2	1	1	4	5
BA	Bosnia and Herzegovina	–	10	5	–	–	6	2	–	10	5
BE	Belgium	15	19	2	8	15	20	4	17	15	5
BG	Bulgaria	4	12	11	16	14	9	1	17	11	7
BM	Bermuda	–	–	7	3	6	1	6	2	–	6
BR	Brasilia	6	10	9	2	10	2	7	–	6	9
BY	Belarus	24	30	22	33	28	9	17	9	18	22
BZ	Belize	35	16	9	–	2	7	10	6	12	–
CA	Canada	27	51	21	21	15	14	9	23	31	21
CH	Switzerland	256	263	409	423	459	232	210	201	203	307
CL	Chile	1	3	5	7	1	–	2	1	3	5
CN	China	178	226	284	205	304	44	66	126	159	223
CO	Colombia	2	3	2	–	1	1	2	1	3	2
CW	Curacao	2	2	4	6	3	1	2	3	2	4
CY	Cyprus	644	524	448	623	438	309	288	347	368	333
CZ	Czech Republic	15	11	18	6	16	22	10	14	8	10
DE	Germany	147	134	100	152	223	82	95	110	92	101
DK	Denmark	16	17	17	7	15	12	11	11	19	8
EE	Estonia	36	59	30	27	42	8	63	21	46	25
EG	Egypt	–	2	3	1	1	–	1	–	2	3
ES	Spain	61	38	62	24	79	3	24	18	10	28
FI	Finland	9	4	17	43	12	5	5	6	3	15
FR	France	66	100	68	61	121	49	51	49	87	58
GB	United Kingdom	232	225	232	196	207	164	154	138	183	185
GE	Georgia	15	13	21	25	37	10	8	12	7	9
GR	Greece	5	4	7	2	–	4	–	3	–	6
HK	Hong Kong	45	36	26	55	31	33	15	22	23	18
HR	Croatia	4	4	6	12	18	4	–	4	2	3
HU	Hungary	18	16	12	17	35	3	12	4	17	15
IE	Ireland	21	24	19	36	14	23	15	15	20	16
IL	Israel	23	30	46	45	24	8	7	31	17	46
IM	Isle of Man	64	16	6	9	–	19	5	6	28	4
IN	India	178	122	199	107	147	92	110	118	114	141
IT	Italy	34	25	62	31	62	13	29	23	24	39
JE	Jersey	–	2	2	–	18	–	–	–	2	2
JO	Jordan	4	5	3	1	6	–	3	4	1	2
JP	Japan	89	81	94	119	81	95	49	58	70	90

Code	Country	Applications					Registrations				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
KN	Saint Kitts and Nevis	2	1	4	5	2	–	–	2	1	2
KR	Republic of Korea (South)	74	87	105	115	89	38	32	69	70	118
KY	Cayman Islands	30	15	9	26	12	15	16	24	13	10
KZ	Kazakhstan	10	4	9	6	3	2	2	6	7	6
LB	Lebanon	–	–	14	1	1	–	1	–	–	1
LI	Liechtenstein	23	20	16	25	17	6	11	12	18	14
LK	Sri Lanka	16	5	–	6	1	2	3	8	3	3
LT	Lithuania	20	36	52	37	27	8	5	14	22	31
LU	Luxembourg	10	15	35	21	17	9	4	18	24	51
LV	Latvia	12	16	32	10	9	10	13	2	15	20
MD	Republic of Moldova	6	10	8	3	20	2	2	2	6	3
MH	Marshall Islands	1	1	3	11	2	2	4	2	1	2
MK	North Macedonia	2	4	5	8	17	1	2	5	–	6
MT	Malta	7	1	17	27	33	1	3	–	4	22
MU	Mauritius	–	2	1	2	7	–	3	–	–	1
MX	Mexico	8	7	8	5	14	10	3	7	5	8
NL	Netherlands	76	49	43	68	79	47	42	47	43	36
NZ	New Zealand	1	5	5	3	1	1	1	–	3	5
NO	Norway	–	1	1	6	1	1	–	–	1	–
PA	Panama	5	3	1	4	8	5	2	–	–	2
PL	Poland	64	76	98	79	105	49	40	40	61	101
PT	Portugal	–	1	3	2	6	4	2	–	–	3
QA	Qatar	–	4	3	17	–	1	–	–	4	4
RO	Romania	–	2	11	4	31	4	2	–	10	12
RU	Russian Federation	147	138	85	100	73	99	97	93	78	90
SC	Seychelles	2	9	16	13	9	5	–	7	2	14
SE	Sweden	19	16	26	24	12	6	29	8	16	29
SG	Singapore	51	11	27	33	34	14	32	23	25	21
SI	Slovenia	4	12	–	14	6	3	3	3	10	12
SK	Slovakia	14	10	9	31	15	5	16	9	10	3
TH	Thailand	12	7	18	10	30	2	8	9	8	15
TR	Turkey	62	27	34	51	65	18	28	35	25	26
TW	Taiwan	24	20	26	15	20	12	14	11	21	22
US	USA	689	640	778	790	865	465	454	517	544	699
UZ	Uzbekistan	4	1	4	2	3	2	2	–	–	3
VG	Virgin Islands British	55	31	6	14	14	17	40	28	16	9
VN	Vietnam	–	5	4	1	–	–	–	–	3	1
	Others	49	49	34	42	40	19	27	26	33	27
Total		30,183	30,900	33,736	27,895	31,351	15,248	15,877	17,322	19,640	22,455

1.14. NCL classes specified in trademark applications, 2021

Class index	Class heading	Total number	Resident applications	Non-resident applications
35	Advertising; business management; business administration; office functions	11,474	10,677	797
41	Education; providing of training; entertainment; sporting and cultural activities	3,914	3,577	337
5	Pharmaceuticals, medical and veterinary preparations; sanitary preparations for medical purposes; dietetic food and substances ...	3,069	1,931	1,138
30	Coffee, tea, cocoa and artificial coffee; rice, pasta and noodles; tapioca and sago; flour and preparations made from cereals ...	2,258	2,011	247
43	Services for providing food and drink; temporary accommodation	2,247	2,137	110
42	Scientific and technological services and research and design relating thereto; industrial analysis and industrial research services ...	1,983	1,701	282
9	Scientific, research, navigation, surveying, photographic, cinematographic, audiovisual, optical, weighing, measuring, signalling, detecting, testing, inspecting, life-saving and teaching apparatus and instruments ...	1,911	1,359	552
25	Clothing, footwear, headwear	1,845	1,690	155
36	Insurance; financial affairs; monetary affairs; real estate affairs ...	1,704	1,538	166
44	Medical services; veterinary services; hygienic and beauty care for human beings or animals; agriculture, horticulture and forestry services	1,704	1,616	88
29	Meat, fish, poultry and game; meat extracts; preserved, frozen, dried and cooked fruits and vegetables; jellies, jams, compotes; eggs ...	1,545	1,396	149
3	Non-medicated cosmetics and toiletry preparations; non-medicated dentifrices; perfumery, essential oils	1,440	971	469
37	Building construction; repair; installation services	1,420	1,336	84
33	Alcoholic beverages, except beers; alcoholic preparations for making beverages	1,415	1,113	302
39	Transport; packaging and storage of goods; travel arrangement	1,046	951	95
38	Telecommunications	1,006	886	120
16	Paper and cardboard; printed matter; bookbinding material; photographs; stationery and office requisites, except furniture	1,002	895	107
32	Beers; non-alcoholic beverages; mineral and aerated waters; fruit beverages and fruit juices; syrups and other non-alcoholic preparations for making beverages	997	814	183
45	Legal services; security services for the physical protection of tangible property and individuals; personal and social services ...	698	638	60

Class index	Class heading	Total number	Resident applications	Non-resident applications
34	Tobacco and tobacco substitutes; cigarettes and cigars; electronic cigarettes and oral vaporizers for smokers; smokers' articles; matches	696	300	396
1	Chemicals for use in industry, science and photography, as well as in agriculture, horticulture and forestry ...	647	475	172
31	Raw and unprocessed agricultural, aquacultural, horticultural and forestry products; raw and unprocessed grains and seeds ...	610	526	84
28	Games, toys and playthings; video game apparatus; gymnastic and sporting articles; decorations for Christmas trees	571	455	116

1.15. Trademark applications under the Madrid System by origin, 2017-2021

Code	Country	2017	2018	2019	2020	2021
UA	<i>Ukraine</i>	6	1	–	–	–
AE	United Arab Emirates	10	13	8	3	9
AL	Albania	1	–	1	–	–
AM	Armenia	15	20	10	15	28
AT	Austria	138	137	132	113	100
AU	Australia	58	50	60	40	56
AZ	Azerbaijan	3	5	2	3	3
BA	Bosnia and Herzegovina	–	3	1	3	3
BE	Belgium	132	105	77	108	106
BG	Bulgaria	125	85	111	125	71
BY	Belarus	106	89	141	133	134
BR	Brazil	1	–	–	4	8
BZ	Belize	4	10	2	–	6
CA	Canada	3	10	11	21	67
CH	Switzerland	502	469	497	477	460
CN	China	889	1 184	1 367	1 200	1 055
CU	Cuba	1	3	4	4	1
CW	Curacao	11	5	1	–	2
CY	Cyprus	58	55	49	83	47
CZ	Czech Republic	60	67	114	65	94
DE	Germany	961	1 097	1 032	991	1 133
DK	Denmark	61	52	90	62	59
EE	Estonia	16	25	31	26	23
EG	Egypt	9	3	3	–	1
ES	Spain	166	163	189	187	149
FI	Finland	93	89	49	63	51
FR	France	655	650	671	444	520
GB	United Kingdom	173	195	243	217	197
GE	Georgia	20	12	14	19	20
GR	Greece	15	17	14	11	4
HR	Croatia	12	11	6	10	13
HU	Hungary	60	148	139	80	162
ID	Indonesia	–	2	3	5	3
IE	Ireland	34	12	22	33	37
IL	Israel	29	37	33	31	36
IN	India	31	24	21	34	30
IR	Iran (Islamic Republic of)	9	6	8	5	11
IS	Iceland	1	–	6	3	8
IT	Italy	512	518	528	421	458
JP	Japan	181	132	170	161	170
KG	Kyrgyzstan	2	1	10	3	–

Code	Country	2017	2018	2019	2020	2021
KR	Republic of Korea (South)	94	107	137	167	202
KY	Cayman Islands	6	3	7	2	2
KZ	Kazakhstan	13	22	38	25	37
LT	Lithuania	26	32	38	32	34
LU	Luxembourg	72	53	42	65	39
LV	Latvia	38	32	68	27	32
MA	Morocco	3	5	4	–	7
MC	Monaco	7	14	13	12	10
MD	Moldova	28	17	37	47	60
ME	Montenegro	–	8	1	1	1
MH	Marshall Islands	1	–	3	1	4
MT	Malta	29	5	9	7	–
MX	Mexico	8	1	2	8	5
MY	Malaysia	–	1	–	–	5
NL	Netherlands	133	116	126	134	138
NO	Norway	27	18	18	15	27
NZ	New Zealand	7	2	3	13	1
OM	Oman	–	–	–	–	7
PL	Poland	191	164	243	167	241
PT	Portugal	28	19	25	29	21
RO	Romania	15	19	30	26	19
RS	Serbia	30	23	22	11	18
RU	Russian Federation	534	553	510	588	557
SE	Sweden	60	59	62	60	81
SG	Singapore	46	24	40	53	45
SI	Slovenia	61	38	40	28	16
SK	Slovakia	27	20	20	24	19
TN	Tunisia	7	2	8	1	2
TR	Turkey	309	233	268	191	293
TH	Thailand	1	1	6	3	7
US	USA	581	583	686	626	758
UZ	Uzbekistan	7	8	2	6	6
VG	Virgin Islands British	8	7	13	10	10
VN	Vietnam	18	12	21	14	16
	Others	17	21	15	33	47
Total		7,634	7,752	8,458	7,644	8,121

2. Expenses for the functioning and development of the state system of intellectual property rights protection in 2021

Expense items	Amount, Thousands UAH
Organization expenses, expenses associated with examination and grant of titles of protection for industrial property rights	406,757.4
Expenses for information activities in the sphere of intellectual property rights protection	5,493.7
Expenses for editorial and publishing activities	512.5
Expenses for development of international cooperation in the sphere of intellectual property rights protection	3,281.2
Expenses for organization of employee training and skill upgrading in the field of intellectual property rights protection	16.1
Acquisition of licensed software and maintenance of automated systems	8,611.9
Total	424,672.8

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