

White Paper of Development and Protection of Intellectual Property of Jiangsu in 2021

The year 2021 witnessed a major milestone for intellectual property development in Jiangsu. Under the strong leadership of the CPC Jiangsu Provincial Committee and the Jiangsu Provincial People's Government, intellectual property (IP) departments in Jiangsu kept upholding Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era and thoroughly implemented the *15-year Plan (2021-2035) on the Development of Intellectual Property Rights (IPR) Power* and the *National Plan for Protection and Utilization of Intellectual Property Rights During the "14th Five-Year Plan" Period*. Striving to promote high-quality development, strengthen IPR protection along industry chains, enhance top-level design, deepen reform and stimulate innovation, Jiangsu accomplished remarkable achievements in IP in 2021. The *Plan of Jiangsu Province for Intellectual Property Development During the "14th Five-Year Plan" Period* was issued and implemented. The *15-year Plan (2021-2035) for Developing Jiangsu into a*

Leading Province in Intellectual Property was formulated. The *Regulations of Jiangsu Province on Intellectual Property Promotion and Protection*, the first provincial law of China on IP promotion and protection, passed the preliminary review. In addition, Jiangsu was rated "Excellence" again in the central government-led inspection and assessment of local IP protection performance, and ranked second nationwide in the comprehensive IP development index. These achievements bode well for Jiangsu's journey toward its goals for the "14th Five-Year Plan".

I. A New Phase in Developing Jiangsu into a Powerful Province in IPR

1. A new blueprint drawn for IP development.

The *The 14th Five-Year Plan of Jiangsu Province for Economic and Social Development and the Long-Range Objectives Through the Year 2035* has a whole chapter under the title "Strengthen the Creation, Protection and Utilization of Intellectual Property" and includes "the number of high-value invention patents per 10,000 people" into the system of key indicators of socio-economic development. The *Regulations of Jiangsu Province on*

Intellectual Property Promotion and Protection, the first provincial law of China on IP promotion and protection, passed the preliminary review. Jiangsu Provincial People's Government and China National Intellectual Property Administration (CNIPA) held a new round of meetings on IP cooperation. They signed the *Protocol on Cooperation for Jointly Building a Leading Province in High-value Intellectual Property in Key Industries*, which defines the objectives, tasks, measures, and blueprints for the IP development in Jiangsu during the "14th Five-Year Plan" period. The *15-year Plan (2021-2035) for Developing Jiangsu into a Leading Province in Intellectual Property* and related documents were completed. The *Plan of Jiangsu Province for Intellectual Property Development During the "14th Five-Year Plan" Period* was officially issued, specifying that Jiangsu will launch eight major projects to build "five zones" (namely, a pilot zone for the construction of an IPR power, a model zone for IP protection along industry chains, a demonstration zone for IP-driven high-quality industrial development, a benchmark zone for open IP cooperation, and a trial zone for the training of excellent IP talent) and promote "five highs" (namely, the high-quality creation, high-standard protection, high-efficiency utilization,

high-quality service, and high-level cooperation in IP). The *Plan of Jiangsu Province for Developing Strategic Emerging Industries during the "14th Five-Year Plan" Period* includes "Ramp up the Protection and Utilization of Intellectual Property" as a key task and details it in a whole section. The *Plan of Jiangsu Province for Scientific and Technological Innovation during the "14th Five-Year Plan" Period* incorporates more IP elements and calls for more efforts in comprehensive IPR protection. The *Plan of Jiangsu Province for High-quality Development of the Manufacturing Industry During the "14th Five-Year Plan" Period* puts forward requirements for IP portfolio planning, leading enterprises in IP performance, and IP services. Jiangsu completed the first draft of the *Plan of Jiangsu Province for Developing the Publishing (Copyright) Industry During the "14th Five-Year Plan" Period*, revised the *Provisional Measures for Voluntary Registration of Works* and the *Measures for the Implementation of Administrative Penalties for Copyright Infringement*, and conducted research on legislation on the protection of copyrights on folk literature and art. The Leading Group for the Implementation of Jiangsu Intellectual Property and Trademark Strategy issued the *2021 Work Plan of Jiangsu*

Province for Building a Leading Province in Intellectual Property. Sticking to the plan at the start of the "14th Five-Year Plan Period", members of the Leading Group fulfilled their respective responsibilities, and made concerted and coordinated efforts to promote IP development across the province.

2. New breakthroughs in IP work achieved in prefecture-level cities.

Attaching great importance to IP work, prefecture-level cities in Jiangsu Province took measures based on local conditions to further improve the management and integrated development of the intellectual property. Nanjing issued its first IP securitization product, which boasts the lowest coupon rate in the country and the largest issue size in the province, in Shenzhen Stock Exchange. The inclusive financing service "Nanjing Model" —IP pledge financing was listed by the Ministry of Commerce as a pilot program for China's service trade reform and promoted across the country. Wuxi promoted the IP-based financing project, held symposiums on IP financing and meetings on geographical indication (GI) insurance, launched the "Stay Put Worry-free" program (SMEs with proprietary IPRs are

given financial support to provide holiday perks for their employees staying put during the Spring Festival due to the pandemic), and witnessed China's first pledge loan on exclusive rights to integrated circuit layout design. Xuzhou built a pioneering "one-stop" IP service platform to improve the network, access, and automation of public IP services. The city's "seven focuses and seven improvements" mechanism for boosting IPR protection along the whole industry chain was approved and recognized by CNIPA leaders. The CPC Changzhou Municipal Committee and the Changzhou Municipal People's Government issued the *Several Policies on Promoting Innovation-driven Development* to support high-quality IP development, strengthen industry chains through patents, and encourage enterprises in strategic industries to carry out patent navigation around key technology R&D projects. Suzhou held high-level IP protection conferences, released a three-year action plan for high-quality IP development, introduced 30 new IP policies, and sped up efforts to create a robust ecosystem for IP protection. The city's "IP-rich Companies Funding Scheme" was approved by provincial leaders. Nantong strove to create a new "1 + 2" pattern for collaborative IP protection. After being put into operation,

China (Nantong) Intellectual Property Rights Protection Center led the country in the average number of cases it handled each month. China Nantong (Home Textile) Fast Intellectual Property Rights Service Center ranked first nationwide in the performance assessment of last year. The city has also accelerated the construction of China Hai'an (Furniture) Fast Intellectual Property Rights Service Center. Lianyungang, at both municipal and county levels, stepped up the development of a network of service providers for IPR protection and dispute resolution via mediation. The city became the first in Jiangsu to achieve a full coverage of such organizations in all of its counties and districts. The CNIPA (Huai'an) Trademark Service Counter officially opened, and the Huai'an Intellectual Property Big Data Platform was promoted by the CNIPA on its WeChat Official Account. Yancheng IP departments carried out the "high-tech enterprises' IPR protection" campaign and created a first-of-its-kind program on improving the IP quality of high-tech enterprises, which has given rise to a number of high-quality IPs and effectively promoted the transformation and upgrading of enterprises and industries. Yangzhou's "one GI one county" plan and its practice in "GI-boosted rural revitalization and common prosperity"

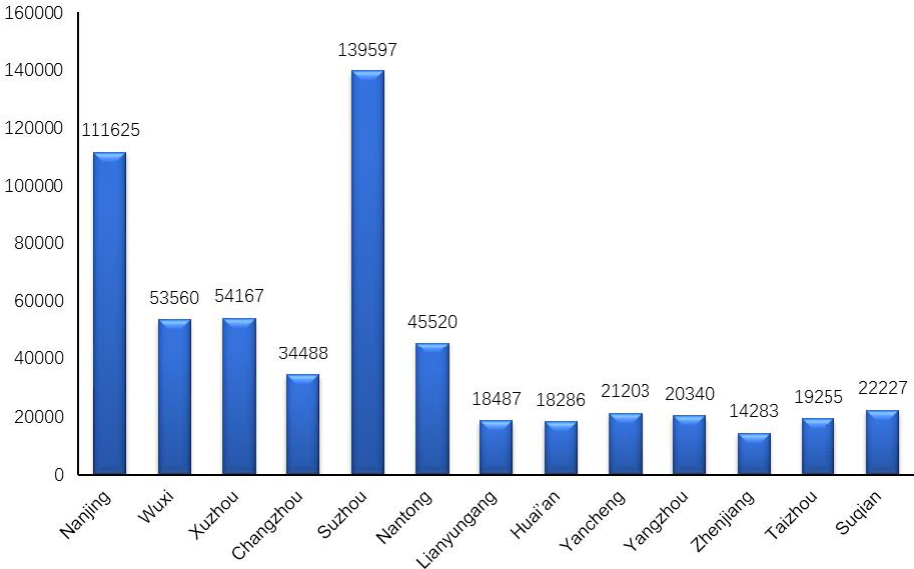
were covered by state media. The city also held the First China Yangzhou Brand Culture Festival and Exhibition around good business environment for enterprises. Zhenjiang gave full play to the role of patent information in supporting decision-making related to industrial layout and development planning. The city integrated IP into its "No. 1 strategy" for building a strong industrial city, and became the first city in the province to build trademark and brand service stations. Taizhou built an IPR utilization promotion center and created an innovative patent standardization mechanism, which effectively maximized the effects of both patents and standards, and boosted the high-quality development of enterprises. Centering on industries with local characteristics, Suqian carried out the "Capital of Chinese Liquor" IPR protection campaign, launched projects to help liquor companies protect well-known trademarks and brands and design high-value patents, guided the mediation of liquor IP disputes, and worked with multiple departments to carry out special law enforcement actions.

II. Main IP Creation Indicators: Jiangsu Reaches a New Height

1. Trademark application and registration: In 2021, Jiangsu recorded 582,891 trademark applications, down 3.51% YoY, 517,387 trademark registrations, up 36.60% YoY, and 2,397,375 valid trademark registrations.

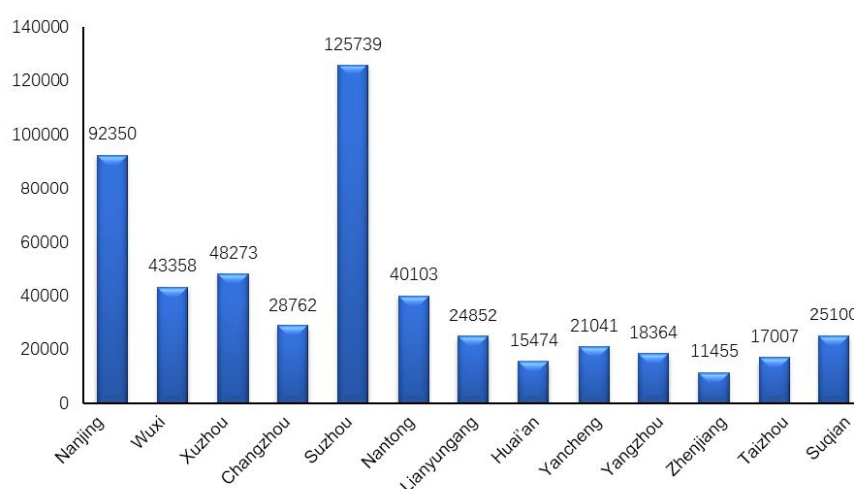
Number of Trademark Applications by Region in Jiangsu in 2021

Unit: piece



Number of Trademark Registrations by Region in Jiangsu in 2021

Unit: piece

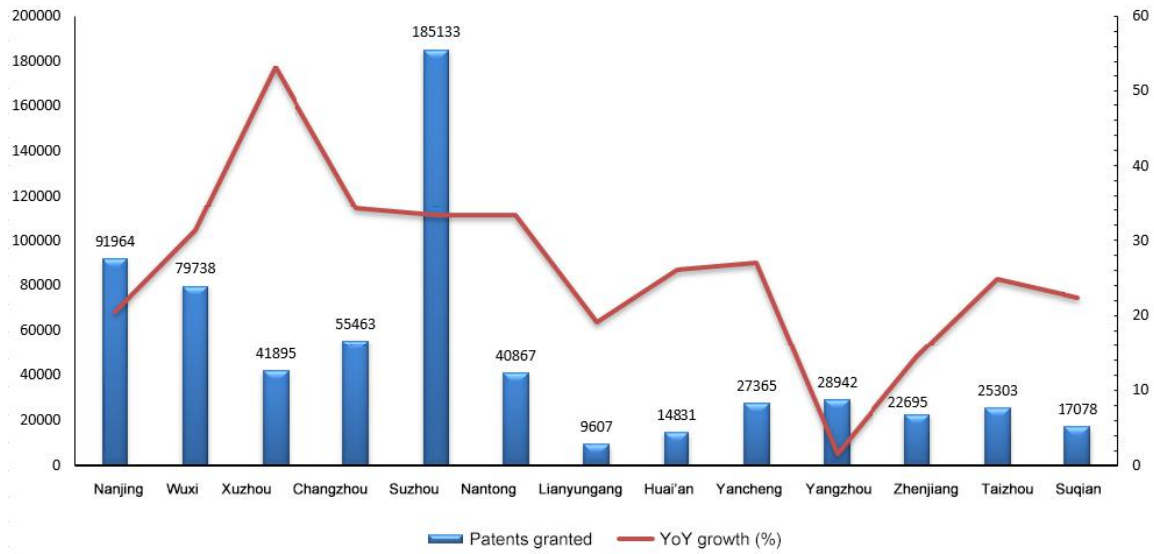


2. Patent application, granting and ownership: In 2021, Jiangsu recorded 640,917 patents approved; and 7,168 applications filed under the Patent Cooperation Treaty (PCT). The number of invention patents per 10,000 people reached 41.17 in the province, ranking first among all Chinese provinces for six consecutive years. The number of high-value invention patents per 10,000 people hit 13.99, which is 1.87 times the national average. At the 22nd WIPO-CNIPA Award for Chinese Outstanding Patented

Invention & Industrial Design, Jiangsu won five gold awards for patents and one gold award for design patents (collectively accounting for 15% of the total gold awards), as well as the award for the best organization, achieving a historic breakthrough. Up to 85.28% of all patent applications submitted by enterprises were approved, up 1.18% from late 2020. The structure was further improved.

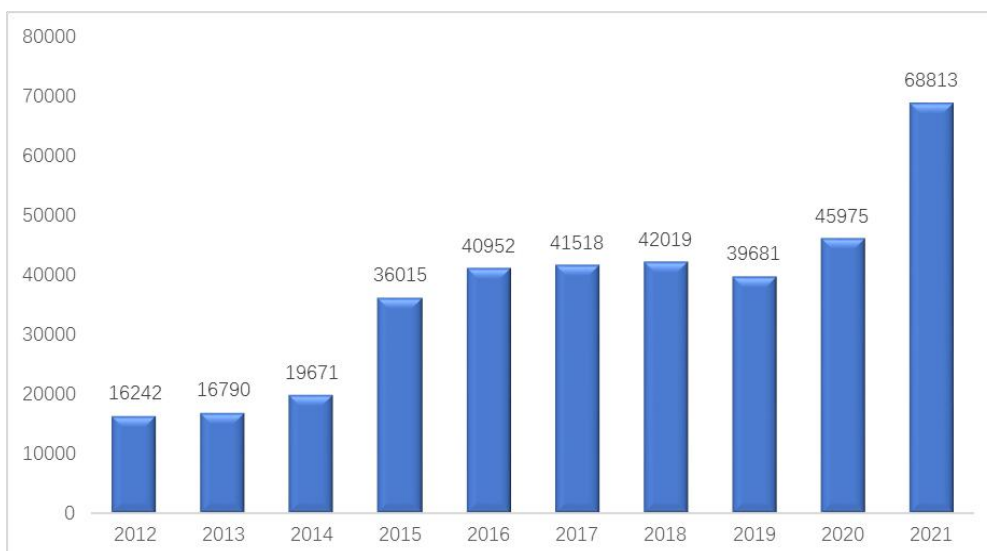
Patent granting: The number of granted patents in 2021 stood at 640,917, up 28.40% YoY. In terms of patent type, invention patents granted numbered 68,813, up 49.67% YoY. The number is 16.72% higher than the national average, accounting for 10.74% of the total patents granted. The number of utility model patents granted hit 515,935, up 27.11% YoY, accounting for 80.50% of the total. The number of design patents granted reached 56,169, up 18.73% YoY, accounting for 8.76% of the total.

Number of Granted Patents by Region in Jiangsu in 2021

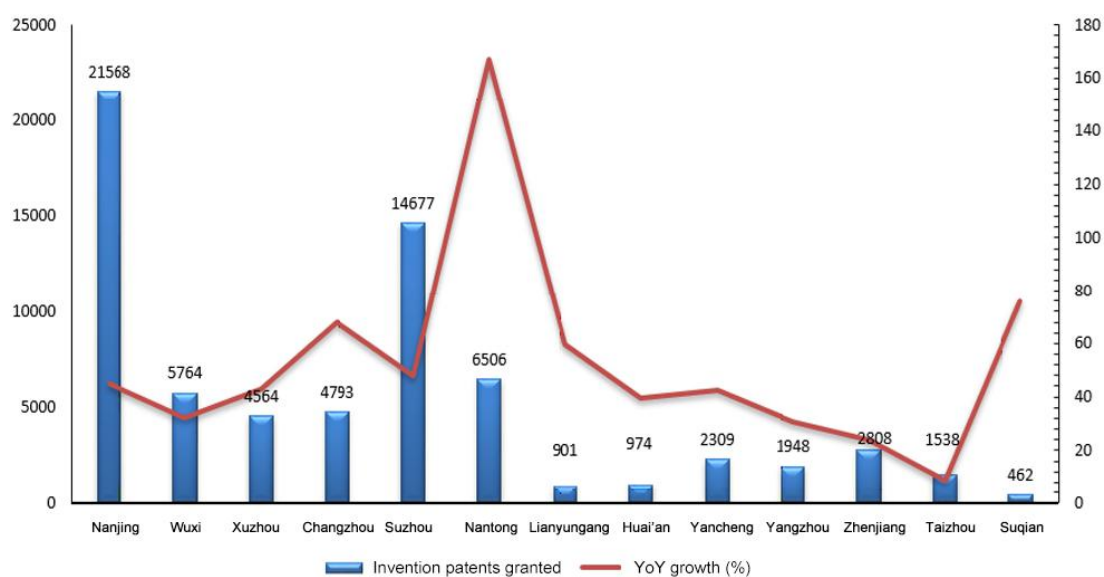


Number of Invention Patents Granted in Jiangsu from 2012 to 2021

Unit: piece

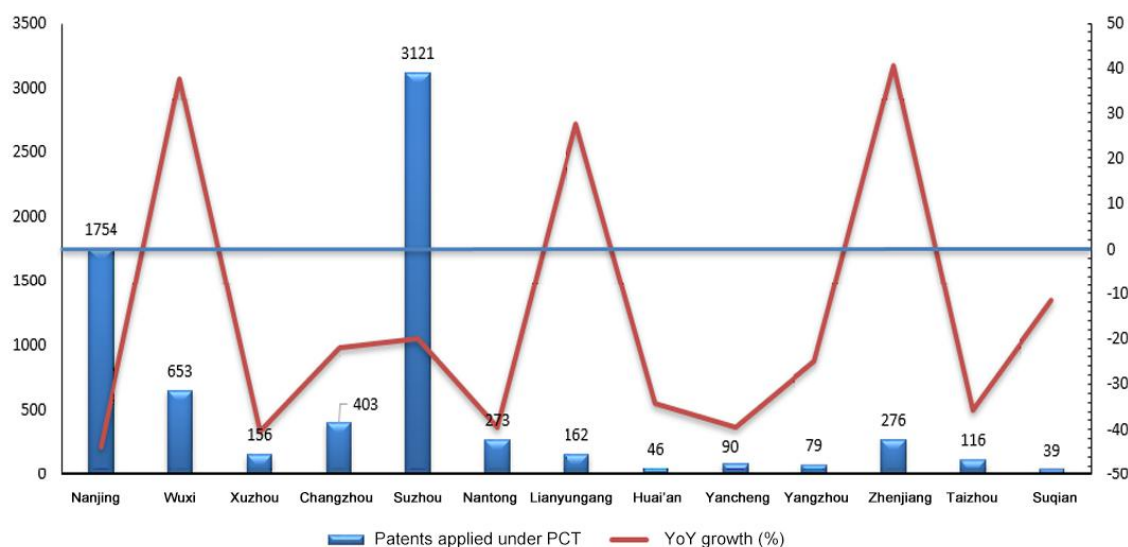


Number of Granted Invention Patents by Region in Jiangsu in 2021



Number of patent applications under the PCT: In 2021, Jiangsu recorded 7,168 patent applications under the PCT.

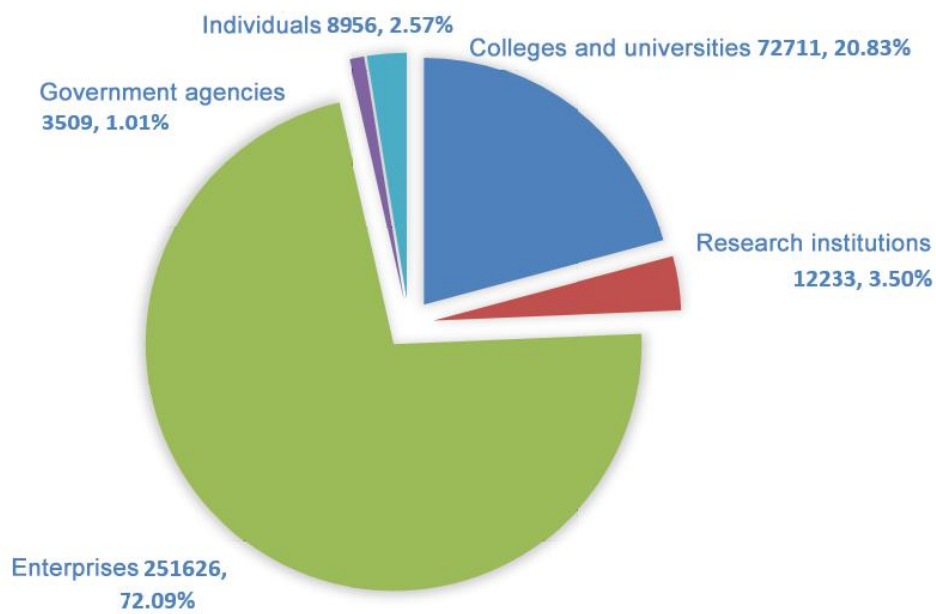
Number of Patent Applications under the PCT by Region in Jiangsu in 2021



Invention patent ownership: As of the end of 2021, Jiangsu recorded 349,035 valid invention patents, including 72,711 (20.83%) owned by colleges and universities, 12,233 (3.50%) by research institutions, 251,626 (72.09%) by enterprises, 3,509 (1.01%) by government agencies and organizations, and 8,956 (2.57%) by individuals. The number of invention patents per 10,000 people reached 41.17 in Jiangsu, including 13.99 high-value invention patents.

Number of Valid Invention Patents by Owners in Jiangsu as of Late 2021

Unit: piece



Number of Invention Patents per 10,000 People by Region in Jiangsu as of Late 2021

Unit: piece

Region	Total Population (Unit: 10,000)	Number of Valid Invention Patents	Number of Invention Patents per 10,000 People	Patent Owner				
				Colleges and Universities	Research Institutions	Enterprises	Government Agencies	Individuals
Nanjing	931.97	88932	95.42	39230	5996	41107	730	1869
Wuxi	746.40	37270	49.93	6300	1722	27797	632	819
Xuzhou	908.39	20719	22.81	5163	44	14801	89	622
Changzhou	527.96	23670	44.83	5029	888	16932	214	607
Suzhou	1274.96	85957	67.42	4995	2171	77251	218	1322
Nantong	772.80	32395	41.92	1726	385	28322	897	1065
Lianyungang	460.10	4784	10.40	297	277	3857	66	287
Huai'an	455.92	4374	9.59	978	159	2700	361	176
Yancheng	671.06	11993	17.87	1094	117	10279	58	445
Yangzhou	456.10	10033	22.00	1811	217	7665	34	306
Zhenjiang	321.10	15561	48.46	5877	204	9055	111	314
Taizhou	451.68	10811	23.94	177	21	9538	91	984
Suqian	498.82	2577	5.17	34	32	2365	7	139
*Others	/	23	/	0	0	21	1	1
Southern Jiangsu	3802.39	251326	66.10	61431	10981	172142	1905	4931
Central Jiangsu	1680.58	53239	31.68	3714	623	45525	1022	2355

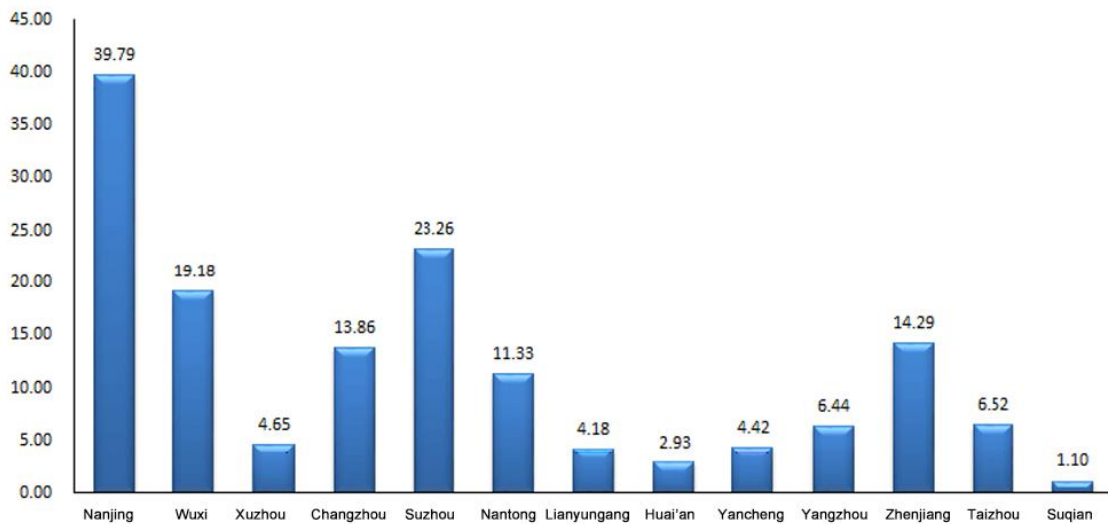
Region	Total Population (Unit: 10,000)	Number of Valid Invention Patents	Number of Invention Patents per 10,000 People	Patent Owner				
				Colleges and Universities	Research Institutions	Enterprises	Government Agencies	Individuals
Northern Jiangsu	2994.29	44511	14.87	7566	629	34002	581	1669
Entire province	8477.26	349035	41.17	72711	12233	251626	3509	8956

Note: (1) Source of total population data: *Jiangsu Statistical Yearbook 2021*

(2) * refers to CNIPA data that cannot be classified.

Number of High-value Invention Patents per 10,000 People by Region in Jiangsu as of Late 2021

Unit: piece



3. Geographical indications registration: With the registration of 29 new GIs (including 20 new GIs for agricultural products) in 2021, Jiangsu registered a total of 378 GIs, 91 products with valid GI tags, and 137 GIs for agricultural products as of late December 2021.

Number of GIs of Prefecture-Level Cities in Jiangsu as of Late 2021

Unit: piece

Region	GI	GI Product	GI for Agricultural Product
Nanjing	17	4	8
Wuxi	15	9	4
Xuzhou	15	6	9
Changzhou	16	2	7
Suzhou	20	17	14
Nantong	29	13	16
Lianyungang	11	12	5
Huai'an	127	2	4
Yancheng	57	10	19
Yangzhou	32	5	8
Zhenjiang	11	3	4
Taizhou	15	6	11
Suqian	13	2	23
Province owned	/	/	5

Region	GI	GI Product	GI for Agricultural Product
Entire province	378	91	137

4. Copyright registration and contract recordation: In 2021, Jiangsu registered 371,776 works (up 31.84% YoY), including art works (55.87%), written works (17.68%), sound recordings (10.51%), audiovisual works (9.73%), photographs (4.05%), and other types of works (2.16%), such as oral works (works expressed in the form of spoken language), videotapes, design drawings. In 2021, Jiangsu registered 1,777 copyright contracts, including 647 ones for the introduction of copyrighted books.

5. Plant variety rights application and granting: As of late 2021, Jiangsu recorded a total of 436 applications for rights to new varieties of agricultural plants—292 of which were approved—and granted rights to 214 new varieties of forest plants.

6. Registration of layout designs of integrated circuits: As of late 2021, Jiangsu registered 8,915 layout designs of integrated circuits, including 2,915 registered in 2021, up 7.84% YoY.

Number of Registrations of Layout Designs of Integrated Circuits in Jiangsu in 2021

Unit: piece

Prefecture-level City	Registrations in 2021	Cumulative Registrations as of December 31, 2021
Nanjing	1045	2792
Wuxi	637	2519
Xuzhou	34	151
Changzhou	109	326
Suzhou	783	2203
Nantong	136	412
Lianyungang	58	189
Huai'an	14	54
Yancheng	23	98
Yangzhou	31	86
Zhenjiang	14	43
Taizhou	24	31
Suqian	7	11
Total	2915	8915

III. A New Chapter Opened up for IPR Protection

1. Clearer policies on strict IPR protection: To clarify the responsibilities of local governments, the CPC Jiangsu

Provincial Committee and Jiangsu Provincial People's Government included, for the first time, IPR protection performance as an indicator for the provincial inspection and assessment of the Party committees and governments of prefecture-level cities. Jiangsu incorporated "invention patent ownership per billion yuan of GDP" as a common indicator for the 2021 provincial assessment of prefecture-level cities' performance in high-quality development. Jiangsu also included IPR protection in the criteria for the bidding at and review of online exhibitions and the criteria for evaluating the success of exhibitions, in order to further optimize the IP indicator system for assessing the province's business environment. Jiangsu enhanced financial support for IPR protection, optimized fund allocation, and increased the proportion of special funds earmarked for IPR protection. The practices of Suzhou and Nanjing in improving the IPR protection system were selected as model city practices in the nationwide business environment assessment. Nanjing, Kunshan of Suzhou, and Wujin High-tech Zone of Changzhou took the lead in China in launching the pilot program for the construction of IPR protection demonstration zones.

2. Notable deterrent effect of administrative law enforcement: Jiangsu continued to ramp up administrative law enforcement, which has effectively deterred IPR infringements. The Intellectual Property Office of Jiangsu Province (JSIPO) formulated an annual work plan for administrative IPR protection in key fields such as exhibitions, e-commerce platforms, and physical markets. The province's experience in administrative adjudication for patent infringement disputes has been promoted nationwide by CNIPA and the Ministry of Justice. Two cases were selected as typical cases of IPR protection via administrative procedures in China. Jiangsu Provincial Administration for Market Regulation and the JSIPO jointly launched a special campaign to protect the IPRs of the Beijing 2022 Olympic and Paralympic Winter Games. The authorities joined law enforcement forces and cracked down on Olympic IPR infringements with a "zero-tolerance" attitude. They forwarded eight clues—transferred by Beijing Organising Committee for the 2022 Olympic and Paralympic Winter Games—about Olympic IPR infringement cases to prefecture-level cities and guided them in handling these cases. In 2021, Jiangsu handled 4,564 patent infringement disputes (up 23.61% YoY) and 3,908 patent and trademark

infringement cases involving administrative penalties (a total of RMB 87.626 million in fines and confiscation). The province registered 641 copyright infringement and piracy cases (196 administrative cases, 36 criminal cases, and 409 mediation cases), involving an amount of more than RMB 160 million. Jiangsu Provincial Department of Agriculture and Rural Affairs carried out special inspections on seed markets in key areas to investigate suspected infringing varieties and "white bag" seeds (seeds sold in white bags without any labels or marks). The province's forestry departments investigated 66 seed cases, totaling an amount of RMB 2.29 million in fines and confiscation. The public security organs across Jiangsu are among the best-performing ones in China: they investigated 2,609 infringement and counterfeiting crimes, solved 1,637 cases, and arrested 5,488 suspects, involving an amount of more than RMB 2 billion. Nanjing Customs District seized 3,882 batches of infringing goods, involving 617,800 items worth RMB 4.155 million, up 20.15%, 69.03% and 299.79% YoY, respectively.

3. Enhanced judicial protection: Jiangsu gave full play to the leading role of the judiciary in IPR protection and continued

to promote the strictest judicial scrutiny. Jiangsu High People's Court issued the *Minutes on Further Enhancing Judicial Performance in International Intellectual Property Cases* and compiled the *Guidelines for the Trial of Civil Disputes over Trademark Infringement* and the *Guidelines for the Trial of Civil Disputes over Trade Secrets Infringement* to guide IP adjudication in Jiangsu Province. In 2021, courts across the province accepted 31,137 new IP cases and closed 29,154 of them, including 80 cases in which punitive damages were awarded. The judgment documents of such IP cases have been listed among China's top 100 excellent judgment documents for three consecutive years. Jiangsu High People's Court and the JSIPO jointly issued the *Notice on Establishing an Online Platform for Mediator Allocation for Intellectual Property Disputes Resolution* to promote the resolution of IP disputes via mediation, build a system for affirming the agreement reached in mediation between people and that between administrative authorities and private parties for IP disputes resolution, in a bid to facilitate dispute resolution. A total of 1,021 IP disputes were settled through mediation. Jiangsu People's Procuratorate effectively promoted the pilot program for centralized and unified IP prosecution as required by the Supreme People's

Procuratorate. It established an IP prosecution office composed of highly capable professionals to handle and guide the prosecution of civil, criminal, administrative, and public interest litigation cases involving IP disputes. Relevant practices of Jiangsu People's Procuratorate gained recognition of the Supreme People's Procuratorate. The procuratorates across the province handled a total of 1,193 IP cases, including 1,118 criminal cases, 58 civil cases with evidence that supports prosecution, and 7 public interest litigation cases. Among them, one case was selected as one of the 26th batch of instructive cases of the Supreme People's Procuratorate and two were among typical IPR protection cases of procuratorates in 2020 announced by the Supreme People's Procuratorate.

4. Strengthened collaboration in IPR protection: The Office of the Leading Group for the Implementation of Jiangsu Intellectual Property and Trademark Strategy and the organizations for coordinating IP-related efforts of Shanghai, Zhejiang, and Anhui jointly held the Yangtze River Delta IP press conference, at which the parties released information about IP development and protection in the region and signed an agreement for co-organizing the

forum on IPR protection in emerging industries. In 2021, JSIPO accepted clues for 37 law violation cases in the Yangtze River Delta region and transferred 10 cases to relevant authorities. Jiangsu Provincial Administration for Market Regulation organized and held the Third Conference on Cooperation in Market Regulation and Law Enforcement in the Yangtze River Delta. At the conference, representatives of Jiangsu, Zhejiang, Anhui provinces and Shanghai Municipality in the Yangtze River Delta discussed "the strengths and weaknesses of IP law enforcement and the IP law enforcement cooperation in the Yangtze River Delta". Jiangsu People's Procuratorate, Zhejiang People's Procuratorate, and Shanghai People's Procuratorate jointly established the "Intellectual Property Prosecution and Protection Center for the Demonstration Zone for Integrated Green Development of the Yangtze River Delta" and the joint task force composed of prosecutors from Qingwujia (Qingpu District of Shanghai, Wujiang District of Suzhou, and Jiashan County of Zhejiang).

5. Achievements in the establishment of IPR protection entities: In 2021, CNIPA approved the construction of China (Jiangsu) Intellectual Property Rights Protection Center,

China (Wuxi) Intellectual Property Rights Protection Center, and China (Taizhou) Intellectual Property Rights Protection Center, bringing the number of Jiangsu's IPR protection centers to 8, ranking first in the country. Together with the province's 163 IPR protection service providers, the "1 + 13 + N" system for fast and coordinated IPR protection services, which was first proposed by Jiangsu Province, has taken shape. These organizations have served nearly 10,000 enterprises registered, shortened the average time for examination of invention patent applications that have passed the preliminary examination from 22 months to 6 months, answered 10,672 inquiries, accepted 761 applications for assistance in IPR protection, and mediated 1,398 IP disputes. CNIPA praised China (Changzhou) Intellectual Property Rights Protection Center and Nantong Fast Intellectual Property Rights Service Center in a public announcement.

IV. New Progress in IP Application

1. Steady progress in IP operations: The Department of Finance of Jiangsu Province and the JSIPO jointly issued the *Plan of Jiangsu Province for the Implementation of the Special Plan for Patent Commercialization (2021-2023)*. With

awards and subsidies of RMB 100 million from the central fiscal funds, the special plan for patent commercialization was intended to promote IP commercialization by supporting 20 colleges and universities and 5 industrial parks in building IP operations centers, 8 institutions in establishing public service platforms, and 4 prefecture-level cities in developing themselves into forerunners in patent commercialization. The Jiangsu Provincial Department of Science and Technology has advanced the construction of the Jiangsu Province Science and Technology Resources Coordination Service Center and the Jiangsu Proprietary Technology Exchange Center. The turnover of the "Patent (Achievements) Auction Season" and the "J-TOP Innovation Challenge Season" both hit a record high. In 2021, the turnover of technology contracts exceeded RMB 300 billion in Jiangsu, up more than 29%.

2. Progress in IP financial innovation: The JSIPO has organized Bank of China and China Construction Bank for bank-enterprise cooperation. In 2021, Jiangsu's patent and trademark pledge financing reached RMB 28.645 billion, up 81.63% YoY, benefiting 2,555 enterprises, up 72.17% YoY. The number of enterprises that benefited from inclusive

loans of less than RMB 10 million accounted for 86.97% of the total. The "Internet + Intellectual Property + Finance" model has been promoted nationwide by Bank of China and China Construction Bank. The Department of Commerce of Jiangsu Province and the JSIPO worked together to improve the facilitation level of IP services, enhance IP financial services, and other pilot tasks for comprehensively deepening the innovative development of service trade. Two cases were selected by the State Council as "best practice cases" for the pilot of comprehensively deepening the innovative development of service trade and were promoted by the Ministry of Commerce across the country. Guided by Jiangsu Provincial Local Financial Supervision Administration, provincial financing guarantee companies cooperated with financial institutions to provide inclusive IP pledge financing services for small- and micro-sized science and technology enterprises in Jiangsu province, which has solved the problem of insufficient collateral facing such science and technology enterprises in the financing process. In 2021, Jiangsu Guarantee offered guarantee services to more than 20 small-or-micro-sized enterprises for IP financing of more than RMB 40 million.

3. Patent navigation analysis in progress: The JSIPO has carried forward the patent navigation program, launched patent navigation projects for 12 industries (such as advanced carbon materials and the Internet of Vehicles), held 10 navigation achievement release conferences, and released 10 navigation reports on smart grid and other industries, bringing benefits to more than 600 enterprises. It has also strengthened patent analysis for key industries, such as biologics, chemical medicines, automobile chips, and nanocarbon materials; established seven patent navigation service bases to explore the development of Jiangsu's patent navigation service system; and compiled the *Practical Guidelines for Patent Navigation in Jiangsu Province* to promote patent navigation standardization in Jiangsu province. Patent navigation has been fully integrated into the development of local industries in Nanjing, Changzhou, Zhenjiang, and other cities. The JSIPO has completed IP analysis for the commercialization of major scientific and technological achievements, the "high-tech enterprise application", and other projects of the Jiangsu Provincial Department of Science and Technology, involving a total of about 50,000 patents.

V. New Improvements in Enterprises' IP Work

1. Increasingly prominent cultivation demonstration effects. Jiangsu has implemented projects to cultivate and upgrade high-value patents. The 13 prefecture-level cities of the province all launched such projects at the municipal level. In 2021, Jiangsu had a total of 413 high-value patent cultivation centers at the provincial, municipal and county levels. They cultivated a number of high-value patents in biomedicine and other fields, which has been affirmed by leaders of the CPC Jiangsu Provincial Committee, the Jiangsu Provincial People's Government, and the CPPCC Jiangsu Provincial Committee. The *List of Major Innovation Incubators and Key Enterprises in Jiangsu Province* was formulated to facilitate hierarchical and classified cultivation. In 2021, Jiangsu recorded 7,399 (cumulatively 25,000) new enterprises implementing IP standards and 50 enterprises (cumulatively 949) implementing the provincial IP strategy promotion project. The number of patents granted to enterprises accounted for 85.28% of the total, up 1.18% from the year 2020, and the number of enterprises with valid registered trademarks per 10,000 enterprises reached 1,014.38, an increase of 107.39 from the end of 2020.

2. Efforts to further promote the establishment of strong industry chains. Centering around leading enterprises and key laboratories, the JSIPO launched the "industry-talent linkage" program creatively to promote the building of IP-based strong industry chains. The program has helped match six leading enterprises and four key scientific research institutions of Jiangsu province with the talent team of the Patent Examination Cooperation Jiangsu Center of the Patent Office, CNIPA. The first 10 pairs of industry-talent combinations have been formed, which has promoted the deep integration of high-level IP talent into the innovative development of industries. The JSIPO has stepped up efforts to build industrial IP alliances. It issued the *Notice on Strengthening the Recordation Management of Industrial Intellectual Property Alliances and Promoting the Healthy Development of the Alliances* to advance the construction of IP-linked industrial development consortiums. With the addition of another five registered alliances and over 130 member enterprises in 2021, Jiangsu now has a total of 17 registered alliances with nearly 700 member enterprises.

3. Gradually deepened cultivation of trademarks and brands. The cultivation, publicity, and promotion of "Superior

Jiangsu Products" have been advanced continuously. In 2021, five GIs of Jiangsu province were listed in the first batch of national key guidance projects for promoting the use of GIs. Pizhou of Xuzhou and Xuyi of Huai'an obtained the permission to build national GI product protection demonstration zones. Nanjing built a GI product tracking platform; Yangzhou's practice of "GI-boosted rural revitalization and common prosperity" was widely reported by authoritative media; and Zhenjiang pioneered the building of trademark and brand guidance stations in the province. The Department of Commerce of Jiangsu Province held a series of online exhibitions, such as "Superior Jiangsu Products Sell across the World" and "Cloud-based Jiangsu Platforms Serve the World", and built platforms in cooperation with cross-border e-commerce platforms and international industrial associations to help Jiangsu brands go global.

VI. New Achievements in IP Services

1. Convenient and efficient public service. The "Internet + government services" model has been advanced in an all-around way. In 2021, more than 98% of IP agency business was processed online. The policy of reducing fees

to benefit enterprises has been implemented routinely. A total of 88,000 enterprises and public institutions have applied for a patent fee reduction, with 12,200 applications recommended for priority review, up 60.1% YoY. The "One-stop Integrated Service for One IP Issue" was selected into the List of Up-for-Grabs Comprehensive Innovation and Reform Projects issued by the National Development and Reform Commission (NDRC) and the Ministry of Science and Technology (MOST). Xuzhou, Lianyungang, Yancheng, and Taizhou have obtained the permission to build CNIPA trademark business windows, bringing the number of such windows in Jiangsu province to 12. The "one window for all services" approach has become a reality in Nanjing and Suzhou. Jiangsu has accelerated the construction of a public system for IP information services. In 2021, the province built and put into operation the Jiangsu IP big data platform, upgraded the Jiangsu copyright service platform, obtained the approval for building three (cumulatively 10) national IP information service centers in higher education institutions, established two (cumulatively 5) technology and innovation support centers (TISCs), certified the first batch of 40 provincial public outlets for IP information services (including six registered national outlets), realizing the full

coverage of public information service institutions in all the province's prefecture-level cities. In 2021, Jiangsu built another nine grass-roots copyright workstations to further improve the coverage and service quality of the public copyright service system. Now the province has a total of 184 grass-roots copyright workstations with more than 400 full-time and part-time staff members.

2. Gradually felt "cluster" effects. Relying on the protection center, Wuxi has achieved remarkable results in building a service industry cluster. Suzhou New District and Nanjing Jiangning Intellectual Property Service Cluster Zone have been approved to carry out the pilot program for the opening-up of national patent agency services. Nantong and Zhenjiang have also accelerated the agglomeration of their service industries. With the addition of 174 patent agencies and 1,381 trademark agencies in 2021, Jiangsu now has a total of 727 patent agencies and more than 5,200 trademark agencies, sending the total number of IP service institutions in the province to over 6,000. The basic information and service quality of the province's patent agencies have been published online on a regular basis so

that innovation entities can select IP agency services efficiently and conveniently.

3. Steady headway in service regulation. The JSIPO held four meetings and issued five documents to crack down on abnormal patent applications and malicious trademark registrations and properly handle suspected abnormal patent applications in Jiangsu province. Among the four batches of abnormal applications disclosed, the withdrawal rate of the first three reached 98.7%, 1.7% higher than the national average. It held interviews with and guided 604 agencies and established 17 cases, totaling an amount of RMB 1.631 million in fines and confiscation. The province's supervision over IP agencies was commended by the CNIPA in circulars. The Jiangsu Provincial Administration for Market Regulation has improved the collection and publicity of information about the province's market entities in the IP field to ramp up credit constraints and discredit punishment. In 2021, relying on the national enterprise credit information publication system, the Jiangsu Provincial Administration for Market Regulation published 15,666 market entities with "patent agency", "trademark agency" or "IP agency" in their business scope. It also published 3,017 pieces of

administrative licensing information and 220 pieces of administrative punishment information. Across the province, 1,300 IP service institutions have been listed in the list of enterprises with abnormal business operations and 89 enterprises have been listed in the list of enterprises with serious violations and dishonesty.

VII. New Results in IP Publicity and Talents Training

1. Highlights of IP publicity. The JSIPO has strengthened publicity planning and policy interpretation, carried out themed publicity activities, and promoted the entry of IP culture into government organs, enterprises, communities, schools, and online platforms on the occasions of major events, such as the "Celebration of the 100th Anniversary of the Founding of the Communist Party of China", the release of the *Outline for Building an Intellectual Property Powerhouse* and the national/provincial "14th Five-Year Plan", and the holding of a new round of CNIPA-Jiangsu cooperation meetings. For 15 consecutive years, the Office of the Leading Group for the Implementation of Jiangsu Intellectual Property and Trademark Strategy has released the "Top 10 Typical Intellectual Property Cases in Jiangsu Province". The Jiangsu High People's Court has published

the "Judicial Protection of Intellectual Property for the Year", the "Top 10 Typical Cases and Punitive Damages Cases", and the *Top 10 Typical Cases of New Agricultural Plant Variety Protection by Jiangsu Courts*. The Jiangsu Provincial Copyright Administration has made public the top 10 cases of combating infringement and piracy in Jiangsu province. The Jiangsu Provincial Administration for Market Regulation has released its "Top 10 Typical Cases of Intellectual Property Protection" and "Top 10 Typical Cases of Foreign-related Intellectual Property" for 2021. All these have showcased the excellent image of Jiangsu province for strict IP protection. Multiple departments, such as the Jiangsu High People's Court, Jiangsu People's Procuratorate, Jiangsu Provincial Copyright Administration, Jiangsu Education Department, Jiangsu Provincial Department of Justice, Jiangsu Provincial Administration for Market Regulation, Jiangsu Provincial Forestry Bureau, Intellectual Property Office of Jiangsu Province, and Nanjing Customs District, organized a series of publicity activities, such as the "April 26 World Intellectual Property Day" and the "May 10 China Brand Day". Using national/provincial media platforms and new media platforms such as WeChat official accounts and Douyin, the departments promoted IP

protection through a full array of activities, including press conferences, public service advertising, promotional videos, related sports events, and essay solicitation to create a favorable atmosphere for respecting and protecting intellectual property.

2. Efficient promotion of talents training. The *Plan of Jiangsu Province for Intellectual Property Talent Development During the "14th Five-Year Plan" Period* was issued. The JSIPO held the first provincial symposium on the development of IP research and talent training institutions, established the country's first provincial IP think tank alliance, and established the Jiangsu International Intellectual Property Institute together with the Jiangsu Education Department. It also formulated the *Jiangsu Intellectual Property Professional and Technical Qualifications (Trial)*, and certified 18 senior IP engineers and the first three professorate senior IP engineers. Despite the impact of the COVID-19 pandemic, the relevant departments at the provincial and municipal levels worked together to hold the national patent agent qualification examination, and built a talent pool of 1,200 professionals for future IP engineers and patent agents. In 2021, 1,057

undergraduates and 325 graduate students of the IP major were studying in colleges and universities across the province, an increase of 125 and 61 students, respectively, from the year 2020. Suzhou and Nantong have included IP professionals in their local talent policies.

VIII. Expanded and Deepened International IP Exchanges and Cooperation

1. Frequent communication and exchanges. The JSIPO has received visitors from the representative office of the German state Baden-Württemberg in China, the British embassy and consulates in China, and the Hong Kong Trade Development Council. The host publicized Jiangsu's IP achievements and policies and discussed issues related to exchanges and cooperation with the guests, which has enhanced mutual understanding and trust. The JSIPO compiled the *Guidelines for Intellectual Property Application, Registration and Protection in Jiangsu Province (2021)* (in English, Japanese and Korean) and sent it to foreign-funded enterprises in Jiangsu province through its English website, the Jiangsu Provincial Association of Enterprises with Foreign Investment (JAEFI), the US-China Business Council (USCBC), and the European Union

Chamber of Commerce in China (EUCCC) to facilitate IP application, registration and protection by domestic and foreign right holders. The JSIPO, the Department of Commerce of Jiangsu Province, the CCPIT Jiangsu Sub-council, and the Jiangsu Provincial Association of Enterprises with Foreign Investment (JAEFI) went to the China-Israel Changzhou Innovation Park, the China-Germany Taicang Industrial Park, and the China-South Korea Yancheng Industrial Park to conduct special research and provide IP services for foreign-funded enterprises.

2. International cooperation platform. Under the complex and changeable situation of COVID-19 prevention and control, the JSIPO held the 17th China (Wuxi) International Design Expo. Daren Tang, Director General of the World Intellectual Property Organization (WIPO), addressed the ceremony via video connection. The Expo has further improved the international influence and reputation of Jiangsu province. The Department of Commerce of Jiangsu Province, the CCPIT Jiangsu Sub-council, and the JSIPO held the 2021 International IP Application & Project Cooperation Conference to demonstrate the favorable environment of

Jiangsu province where IP is protected according to law. The Jiangsu Provincial Copyright Administration has guided Wujiang District to create an excellent copyright protection demonstration site for the silk industry. The "Wujiang Model" of copyright protection has been promoted worldwide by the WIPO. At the 23rd (2021) Jiangsu Agricultural International Cooperation Fair, the Jiangsu Provincial Department of Agriculture and Rural Affairs held the Jiangsu-EU GI agricultural products promotion to advertise Jiangsu GI agricultural products in an all-around way and expand mutual cooperation and exchange.

3. Assistance with foreign-related IPR protection. As of the end of 2021, Jiangsu has obtained the permission to build three sub-centers of the National Overseas Intellectual Property Dispute Response & Guidance Center in the province, and has set up the China-Israel Changzhou Innovation Park Working Station and two overseas working stations in South Korea and France. The JSIPO organized the preparation for and release of the guidelines for IP protection in strategic countries and key investment/trading countries along the "Belt and Road", formulated the *Guidelines for Responses to Intellectual Property Disputes at*

Overseas Exhibitions, and compiled and printed the "U.S. Section 337 investigations and response: analysis of Jiangsu enterprise cases", a document intended to track seven cases of U.S. Section 337 investigations that involved Jiangsu enterprises and guide 32 enterprises to actively deal with overseas IP disputes. The CCPIT Jiangsu Sub-council has established an entrusted mediation mechanism for IP and foreign-related commercial cases to promote the diversified resolution of IP disputes. The Jiangsu Provincial Department of Justice, the Department of Commerce of Jiangsu Province, the Foreign Affairs Office of Jiangsu Provincial People's Government have jointly promoted the standardized and substantive operation of Jiangsu's 16 overseas legal service centers in Germany, Vietnam, Singapore and other countries to provide zero-distance and high-quality services for going-global enterprises in their efforts to protect their intellectual property. Nantong has worked hard to build the Zhi Lian Qiao overseas intellectual property service platform.