



Beginning of Spring refers to the day when the sun is exactly at the celestial longitude of 315°. As the first solar term of the year, it signifies the end of winter and lifts the curtain of spring. The weather will turn warmer and everything will become vigorous. There are many traditional activities on this day to welcome spring, such as making a spring ox, "biting spring foods", erecting eggs, and worshipping ancestors.

Chapter I



IP Application and High-Quality Development

- 1 Patent
- 2 Trademark
- 3 Geographical Indication (GI)
- 4 Layout Design of Integrated Circuit

01

Patent

1.1 Patent application

Patent Applications in 2022

(Thousand)

1,619 ↑ 2.1%

Invention

2,951 ↑ 3.5%

Utility Model

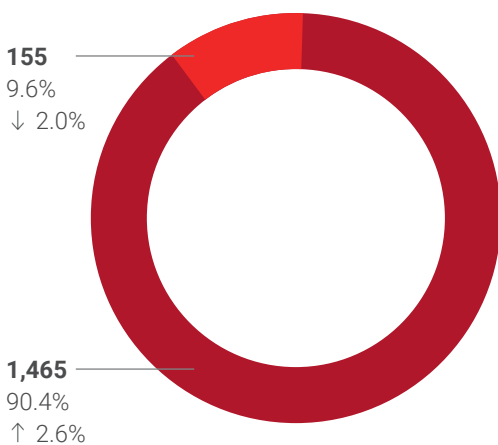
795 ↓ 1.4%

Design

1.2 Patent examination

Domestic Applications and Foreign Applications Filed in China Among Invention Patent Applications in 2022

(Thousand)

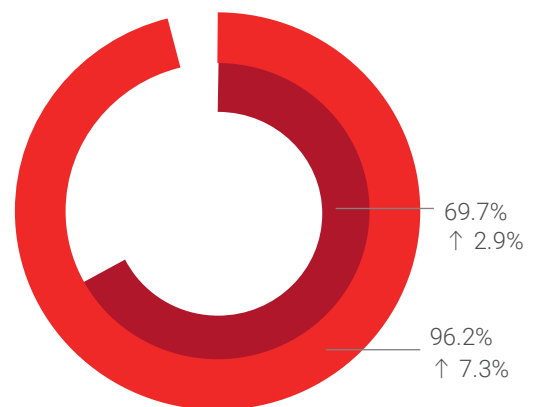


- Domestic application
- Foreign application filed in China

A total of 1.465 million domestic invention patent applications were filed in China, a year-on-year increase of 2.6%; a total of 155 thousand foreign invention patent applications were filed in China, a year-on-year decrease of 2.0%.

Service Applications and Enterprise Applications Among Domestic Invention Patent Applications in 2022

(Thousand)



- Service application
- Enterprise application

Among the domestic invention patent applications, 1.409 million were service applications, a year-on-year increase of 7.3%. The enterprise applications accounted for 69.7% of the domestic invention patent applications, 2.9 percentage points higher than the previous year.

Pendency for Patent Examination Continued to Decrease

13.0 months

Average Pendency for High-Value Patent Examination

16.5 months

Average Pendency for Invention Patent Examination

Quality and Efficiency of Patent Examination Kept Improving

93.4%

Accuracy Rate of Invention Patent Examination Cases Concluded

85.7

The User Satisfaction Rating on Patent Examination Quality Keeps in the Satisfactory Range

1.3 Patent granting

Patents Granted in 2022

(Thousand)

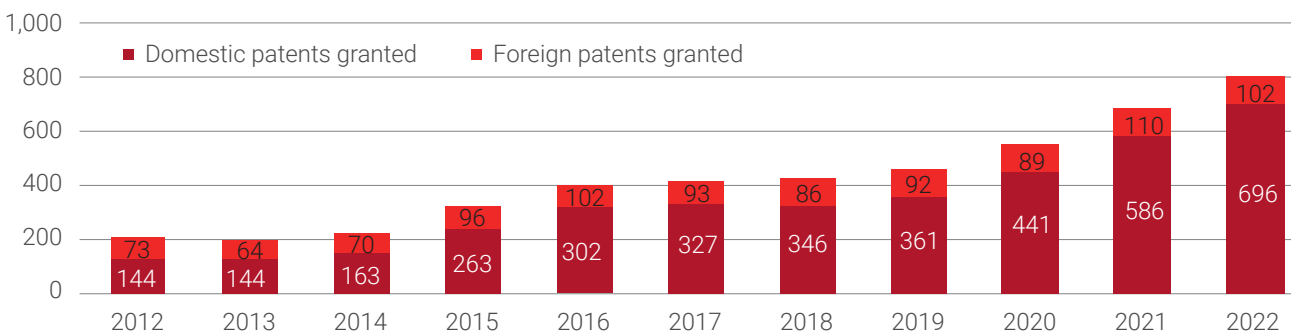
798 ↑ 14.7%
Invention

2,804 ↓ 10.1%
Utility Model

721 ↓ 8.2%
Design

Invention Patents Granted from 2012 to 2022

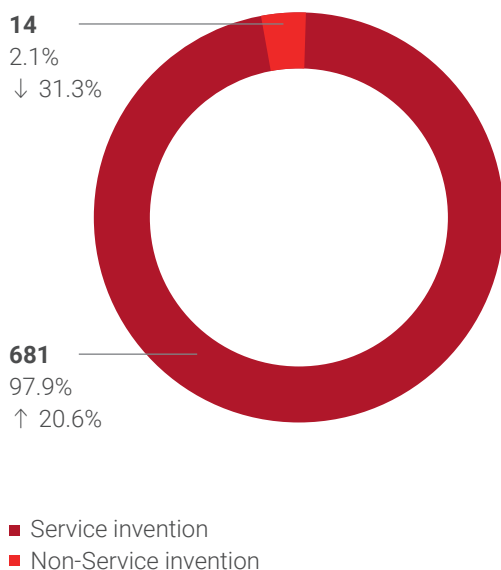
(Thousand)



In 2022, 696 thousand domestic invention patents were granted, accounting for 87.1% of the total.

Service Inventions and Non-service Inventions in Domestic Invention Patents Granted in 2022

(Thousand)



Among the domestic invention patents granted, the service invention patents were 681 thousand, accounting for 97.9%, a year-on-year increase of 20.6%; non-service invention patents were 14 thousand, accounting for 2.1%, a year-on-year decrease of 31.3%.

Top 10 Domestic Enterprises in Terms of Invention Patents Granted in 2022

Ranking	Patentee	Patents Granted
1	Huawei	5,805
2	Tencent	4,076
3	SINOPEC	3,772
4	OPPO	2,875
5	BOE	2,748
6	Gree	2,545
7	Inspur	2,426
8	Vivo	2,327
9	ZTE	1,862
10	Baidu	1,483

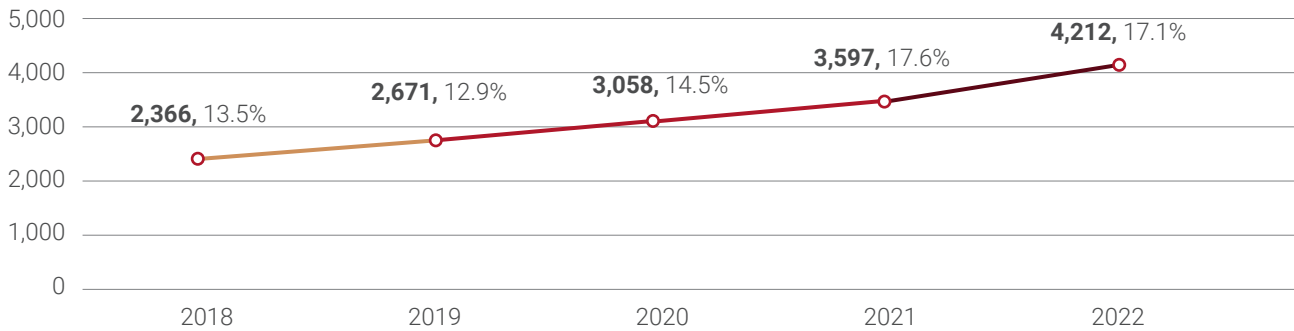
Top 10 Foreign Enterprises in Terms of Invention Patents Granted in 2022

Ranking	Country/Region	Patentee	Patents Granted
1	Republic of Korea	Samsung	1,785
2	Japan	Toyota	1,729
3	United States	Qualcomm	1,231
4	Japan	Honda	1,213
5	Germany	BOSCH	1,199
6	Japan	Mitsubishi Electric	1,086
7	Republic of Korea	LG Chem Co., Ltd.	886
8	United States	Ford Global Technologies	868
9	Japan	Panasonic Intellectual Property Management Co., Ltd.	855
10	Japan	Canon	849

1.4 Valid invention patent

Valid Invention Patents in China as of the End of 2022

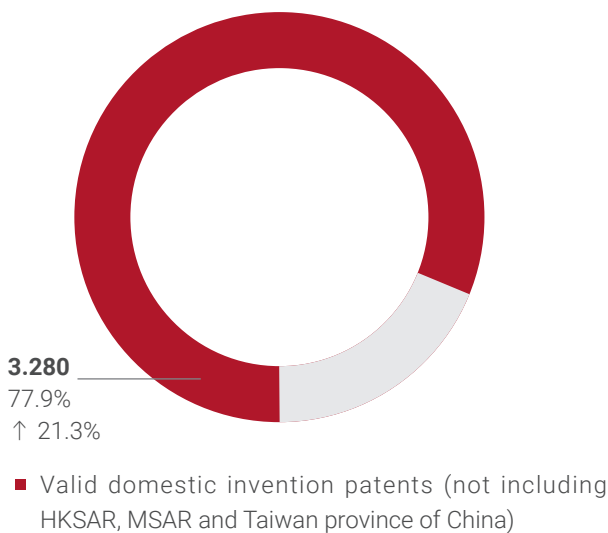
(Thousand)



As of the end of 2022, the total number of invention patents granted and maintained valid in China reached 4.212 million, a year-on-year increase of 17.1%.

Valid Domestic Invention Patents as of the End of 2022 (not including HKSAR, MSAR and Taiwan Province of China)

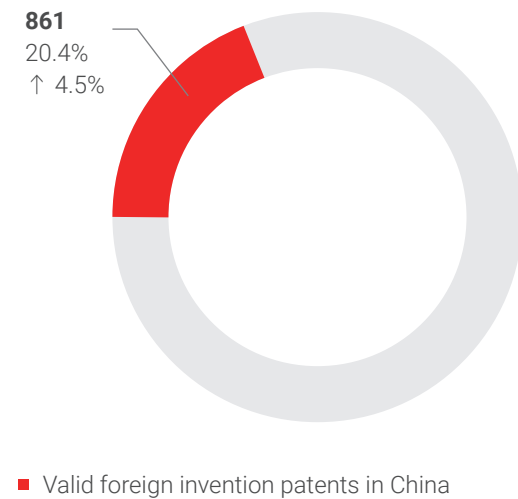
(Million)



The number of domestic invention patents (not including HKSAR, MSAR and Taiwan province of China) was 3.280 million, accounting for 77.9% of the total, a year-on-year increase of 21.3%.

Valid Foreign Invention Patents in China as of the End of 2022

(Thousand)



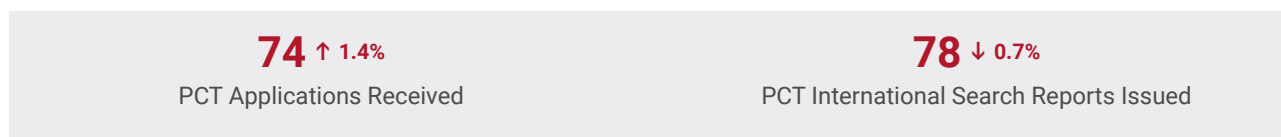
The number of foreign invention patents in China was 861 thousand, accounting for 20.4% of the total, a year-on-year increase of 4.5%.

The number of high-value invention patents per 10,000 population was 9.4, an increase of 1.9 over the previous year.

1.5 PCT application

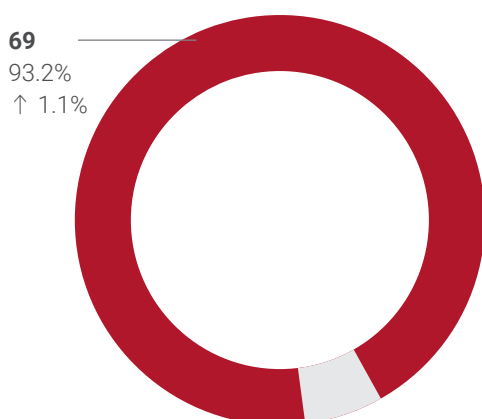
PCT Applications in 2022

(Thousand)



PCT Applications Received from China in 2022

(Thousand)

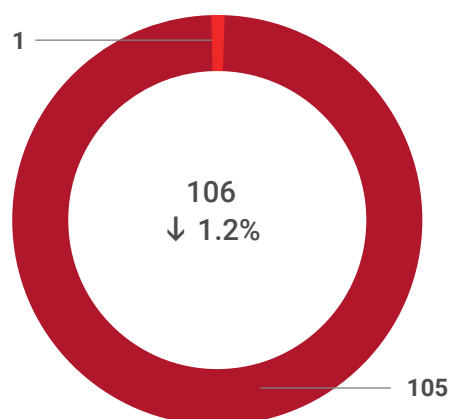


■ PCT applications received from China

Among the received PCT patent applications, 69 thousand were from China, a year-on-year increase of 1.1%.

PCT Applications Entering the National Phase in China in 2022

(Thousand)



■ Invention Patent ■ Utility Model Patent

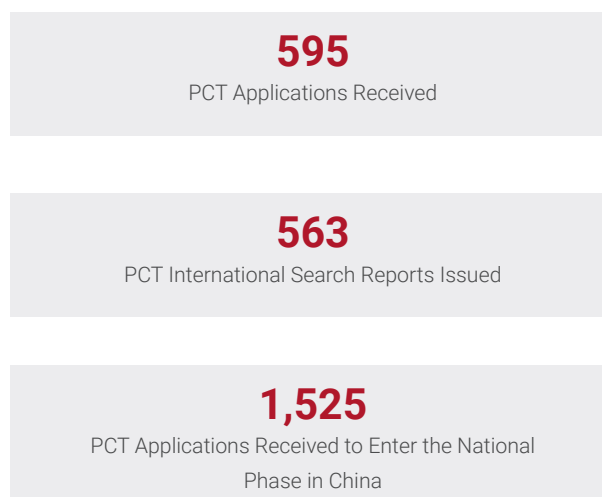
About 106 thousand PCT international applications entering the national phase in China were received, a year-on-year decrease of 1.2%.

Top 10 Provinces (Autonomous Regions and Municipalities) with the Most Received PCT Patent Applications in 2022

Ranking	Province	Amount
1	Guangdong	24,290
2	Beijing	11,463
3	Jiangsu	6,986
4	Shanghai	5,591
5	Zhejiang	4,316
6	Shandong	3,380
7	Fujian	3,055
8	Anhui	1,880
9	Hubei	1,371
10	Sichuan	826

Cumulative Amount Since 1994

(Thousand)



1.6 Hague design

Hague Design Applications in 2022

1,286

Applications for International Registration of Designs Filed by Chinese Applicants Under the Hague Agreement

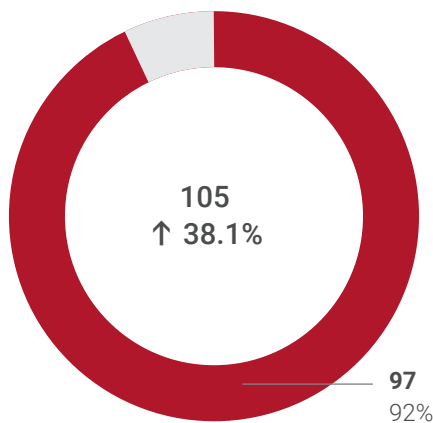
607

Applications for International Registration of Designs Entering China After the Publication of the International Registration

1.7 Patent reexamination and invalidation

Reexamination Requests Accepted in 2022

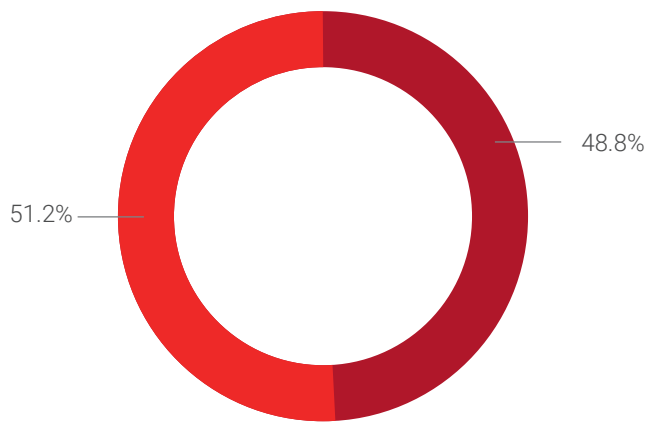
(Thousand)



- Reexamination requests against decisions rejecting invention patent applications

A total of 105 thousand reexamination requests were accepted, a year-on-year increase of 38.1%, and these reexamination cases were concluded in average 17.2 months.

Invention Patent Reexamination Cases Concluded in 2022¹



- Concluded by revocation of the rejection decision
- Concluded by upholding the rejection decision and otherwise

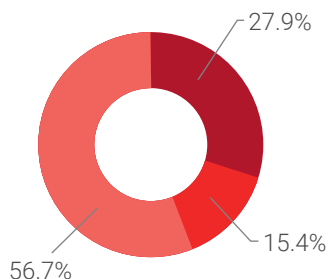
About 63 thousand patent reexamination cases were concluded, a year-on-year increase of 16.1%.

Reexamination Requests and Cases Concluded in 2021 and 2022

Type	2022	2021
Patent reexamination requests	105,075	76,093
(1) Invention patent	96,713	73,601
(2) Utility model patent	7,732	2,153
(3) Design patent	630	339
Patent reexamination cases concluded	62,716	54,006
(1) Invention patent	58,969	48,131
(2) Utility model patent	3,128	5,300
(3) Design patent	619	575

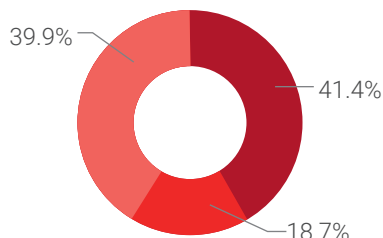
¹ Revocation of the rejection decision includes preliminary revocation of the rejection decision and revocation reviewed by a collegial panel. Being concluded otherwise includes rejecting the request, deeming the request as withdrawn and voluntary withdraws by the reexamination petitioner.

Invention Patent Invalidation Cases Concluded¹



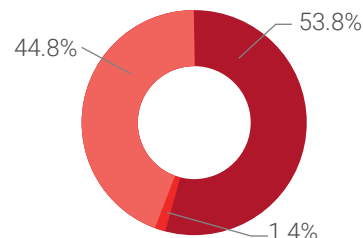
- Completely invalidated
- Partially invalidated
- Patent right upheld

Utility Model Patent Invalidation Cases Concluded



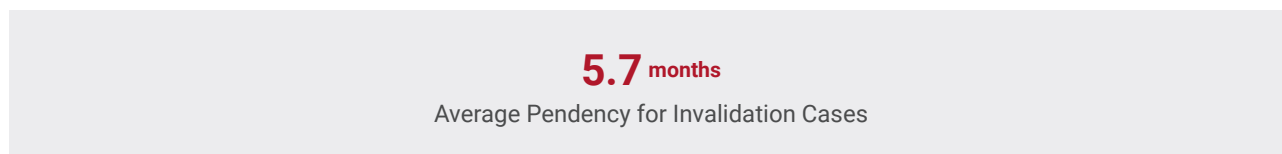
- Completely invalidated
- Partially invalidated
- Patent right upheld

Design Patent Invalidation Cases Concluded



- Completely invalidated
- Partially invalidated
- Patent right upheld

Average Pendency for Invalidation Cases in 2022



Invalidation Requests and Cases Concluded in 2021 and 2022

Type	2022	2021
Patent reexamination requests	7,095	7,628
(1) Invention patent	1,431	1,713
(2) Utility model patent	3,156	3,330
(3) Design patent	2,508	2,585
Patent reexamination cases concluded	7,879	7,065
(1) Invention patent	1,691	1,671
(2) Utility model patent	3,537	3,061
(3) Design patent	2,651	2,333

506 thousand

The Cumulative Amount of Patent Reexamination Requests Accepted Since 1985

383 thousand

The Cumulative Amount of Patent Reexamination Cases Concluded as of the End of 2022

82 thousand

The Cumulative Amount of Patent Invalidation Requests Accepted as of the End of 2022

77 thousand

The Cumulative Amount of Patent Invalidation Cases Concluded as of the End of 2022

An increasing number of patent reexamination and invalidation requests were filed through the e-filing system for patent reexamination and invalidation year by year. As of 2022, a total of 25 multimedia circuit boards and 35 multimedia collegiate panels have been established. For many local IP protection centers, a peer-to-peer remote hearing system was set up for collegiate panels, in addition to an Internet-based remote hearing system, covering offline face-to-face hearings, remote hearings via the Internet, and remote hearings by the IP protection centers.

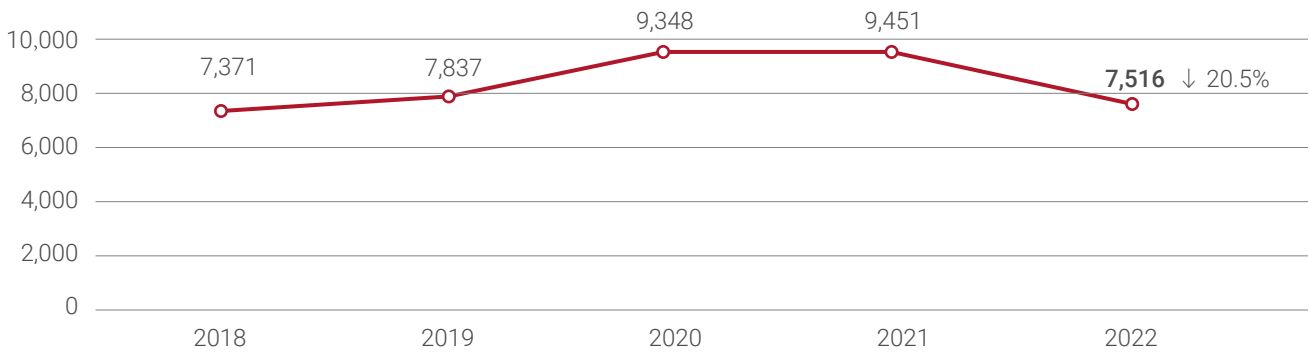
¹ Upholding the patent right includes confirming the validity, rejecting the request, deeming the request as withdrawn, and voluntary withdraws by the invalidation petitioner.

02 Trademark

2.1 Application for trademark registration

Applications for Trademark Registration from 2018 to 2022

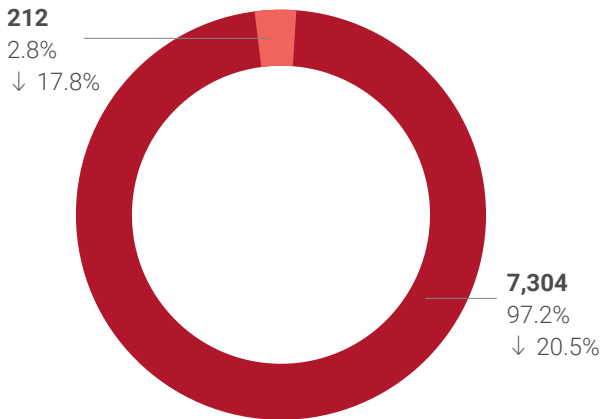
(Thousand)



In 2022, the total number of applications for trademark registration was 7.516 million, a year-on-year decrease of 20.5%.

Applications for Trademark Registration in 2022

(Thousand)

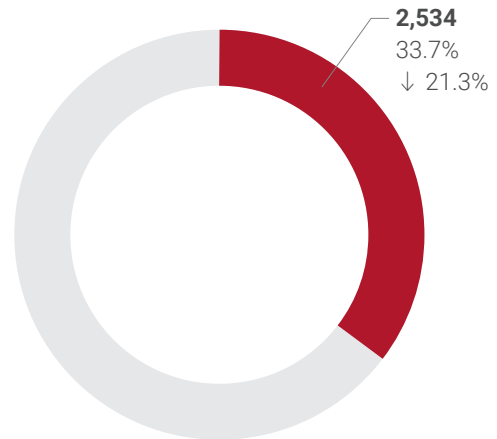


- Domestic applications
- Foreign applications in China

The domestic trademark applications were 7.304 million, accounting for 97.2% of the total, a year-on-year decrease of 20.5%; the foreign trademark applications in China were 212 thousand, accounting for 2.8% of the total, a year-on-year decrease of 17.8%.

Applications for Service Trademark Registration in 2022

(Thousand)

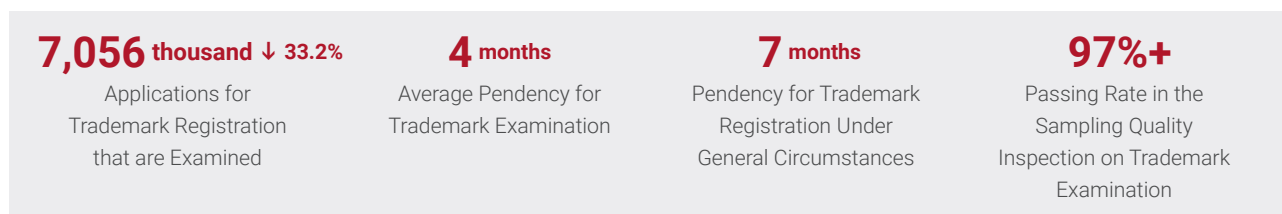


- Applications for service trademark registration

Among the applications for trademark registration throughout the year, there were 2.534 million applications for service trademark registration, accounting for 33.7% of the total, a year-on-year decrease of 21.3%.

2.2 Trademark examination

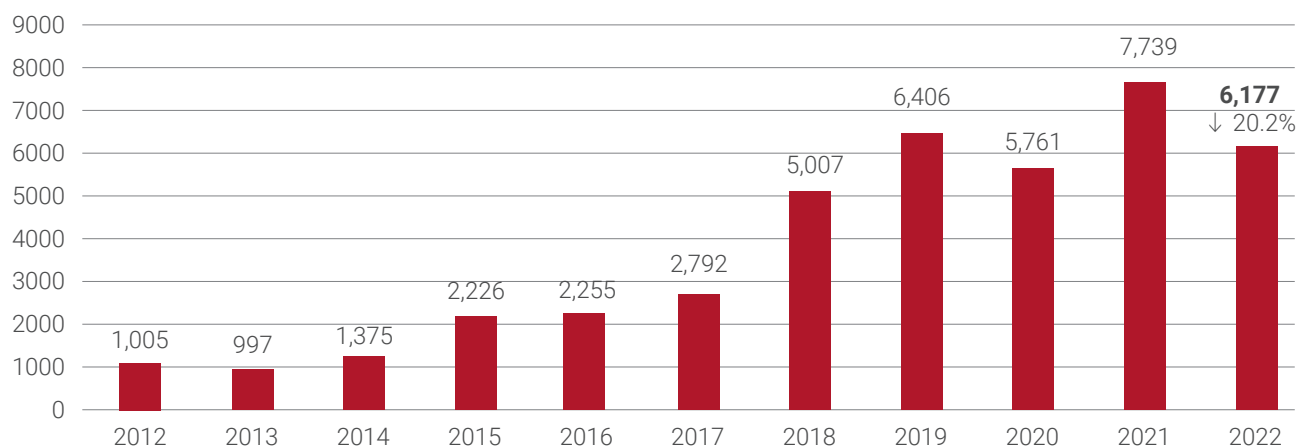
Examination of Trademark Registration in 2022



2.3 Trademark registration

Trademark Registrations from 2012 to 2022

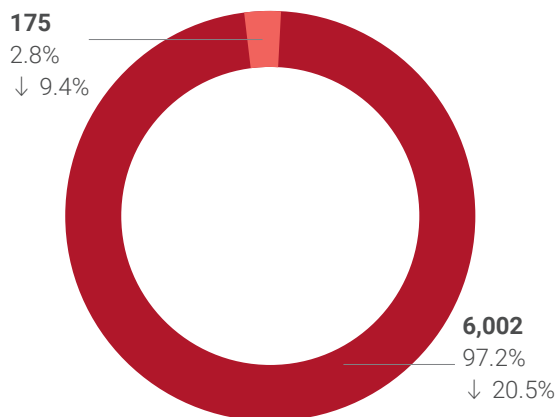
(Thousand)



In 2022, the total number of trademark registrations was 6.177 million, a year-on-year decrease of 20.2%.

Trademark Registrations in 2022

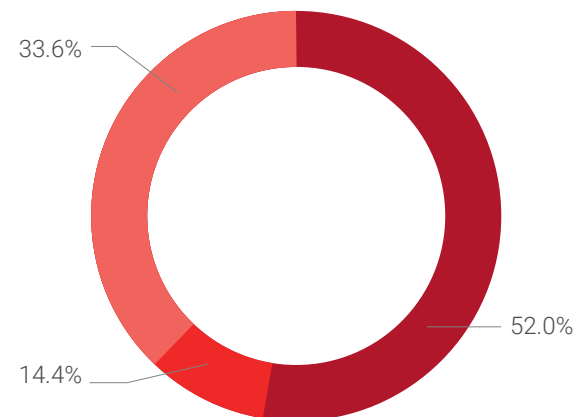
(Thousand)



■ Domestic ■ Foreign in China

There were 6.002 million domestic trademark registrations, accounting for 97.2% of the total, a year-on-year decrease of 20.5%; foreign trademark registrations in China were 175 thousand, accounting for 2.8% of the total, a year-on-year decrease of 9.4%.

Examination Decisions on Trademark Registration in 2022



■ Preliminary approval ■ Partial refusal ■ Refusal

2.4 Valid registered trademark

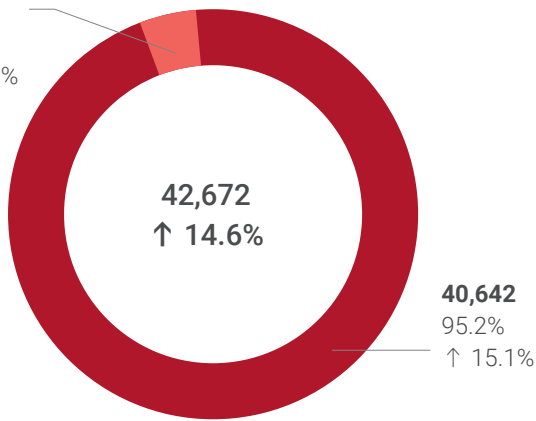
Valid Trademark Registrations as of the End of 2022

(Thousand)

2030

4.8%

↑ 5.9%



■ Domestic ■ Foreign in China

As of the end of 2022, the total number of valid trademark registrations was 42.672 million, a year-on-year increase of 14.6%. Among them, there were 40.642 million valid domestic registered trademarks, accounting for 95.2% of the total, an increase of 15.1% year-on-year; 2.030 million valid foreign registered trademarks in China, accounting for 4.8% of the total, an increase of 5.9% year-on-year.

2.5 Application for international registration of trademark under the Madrid system

5,827

International Applications for Trademark Registration Under the Madrid System Filed by Chinese Applicants in 2022

52 thousand ↑ 7.6%

Cumulative Number of Valid International Trademark Registrations Under the Madrid System in China as of the End of 2022

98.3% ↑ 1.3%

Online Applications for International Trademark Registration Under the Madrid System in 2022

2 months

Average Pendency for the Formal Examination of the Applications for International Registration Under the Madrid System Filed by Chinese Applicants as of the End of 2022

25 thousand

Requests for Territorial Extension of International Registration to China Under the Madrid System Filed by Foreign Applicants in 2022

4 months

Pendency for Examining the Requests for Territorial Extension of International Registration to China Under the Madrid System

1 month

Pendency for Examining the Requests for Assignment, Change, and Renewal of International Registration

Top 10 Classes of Goods and Services in the Number of Applications for Madrid International Registration of Trademarks by Chinese Applicants in 2022

Ranking	Classes of goods and services
1	Class 9 (scientific instruments, computers, digital storage media, etc.)
2	Class 7 (machines, machine tools, motors, etc.)
3	Class 35 (advertising, business operations, etc.)
4	Class 42 (science and technology services, etc.)
5	Class 12 (vehicles, etc.)
6	Class 10 (surgical and medical instruments and devices, etc.)
7	Class 5 (pharmaceuticals, etc.)
8	Class 11 (lighting equipment, microwave ovens, refrigerators, etc.)
9	Class 25 (clothing, shoes, hats, etc.)
10	Class 3 (cosmetics and grooming preparations containing no drugs, etc.)

Top 10 Contracting Parties Designated by Chinese Applicants for Madrid International Registration of Trademarks in 2022

Ranking	Contracting parties designated by Chinese applicants for Madrid international registration of trademarks
1	United States
2	Russia
3	Japan
4	United Kingdom
5	Indonesia
6	Republic of Korea
7	Thailand
8	Malaysia
9	Vietnam
10	European Union

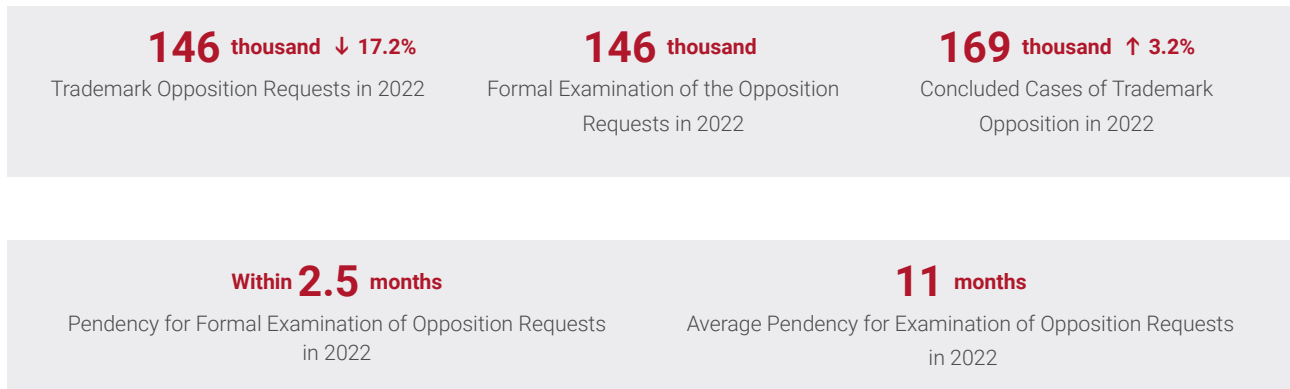
Top 10 Provinces (Municipalities) in the Number of Applications for Madrid International Registration of Trademarks Filed by Chinese Applicants in 2022

Ranking	Provinces (Municipalities)
1	Guangdong
2	Zhejiang
3	Jiangsu
4	Hebei
5	Shanghai
6	Shandong
7	Beijing
8	Fujian
9	Anhui
10	Tianjin

Top 5 Classes of Goods and Services in the Number of Applications Where Foreign Applicants Designate China for Madrid International Registration of Trademarks

Ranking	Provinces (Municipalities)
1	Class 9 (scientific instruments, computers, digital storage media, etc.)
2	Class 42 (science and technology services, etc.)
3	Class 35 (advertising, business operations, etc.)
4	Class 41 (education, training, etc.)
5	Class 5 (pharmaceuticals, etc.)

2.6 Trademark opposition



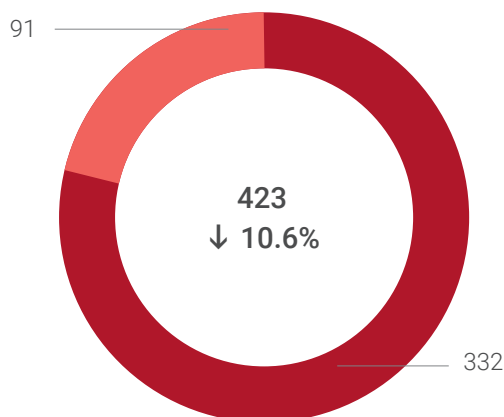
In 2022, a total of 45.11% of the trademark opposition requests were upheld, and 11.8% were partially upheld. Malicious registrations were effectively curbed in the opposition procedure.

Opposition decisions are fully published at <https://sbj.cnipa.gov.cn/sbj/index.html>, and a total of 141 thousand decisions were published throughout 2022. Online application for trademark opposition was in full function.

2.7 Trademark review and adjudication

Requests for Trademark Review and Adjudication in 2022

(Thousand)

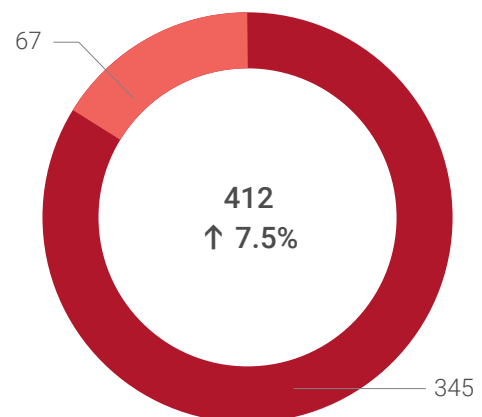


■ Review on rejection ■ Complicated cases

In 2022, there were a total of 423 thousand requests for review and adjudication, a year-on-year decrease of 10.6%.

Trademark Review and Adjudication Cases Concluded in 2022

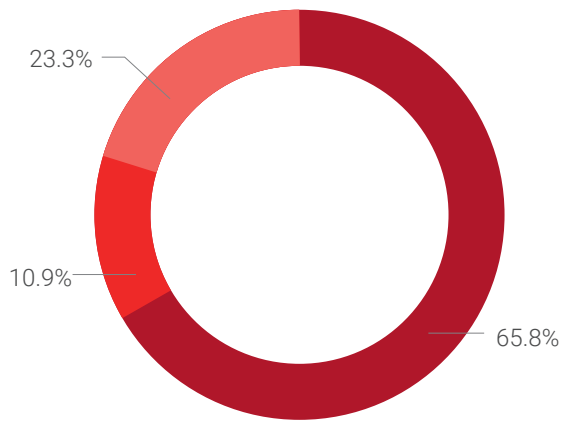
(Thousand)



■ Review-on-Rejection concluded
 ■ Complicated cases concluded

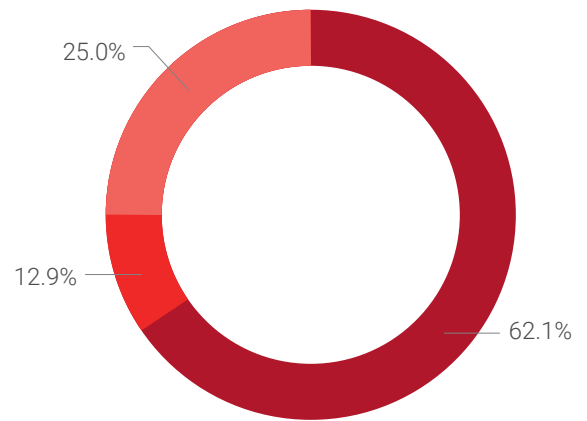
In 2022, a total of 412 thousand trademark review and adjudication cases were concluded, a year-on-year increase of 7.5%.

Trademark Review-on-Rejection Cases Concluded in 2022



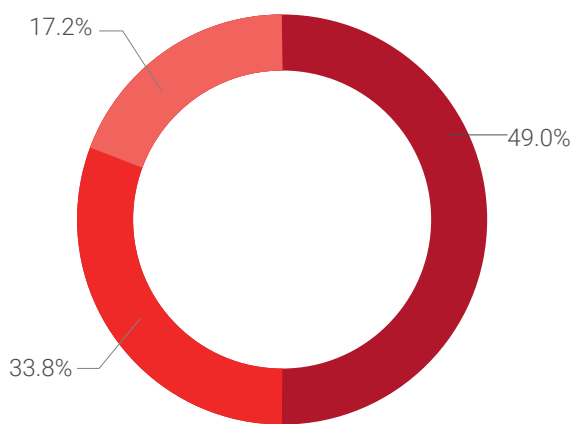
- Completely rejected
- Partially rejected
- Preliminary approval

Trademark Invalidation-Declaration Cases Concluded in 2022



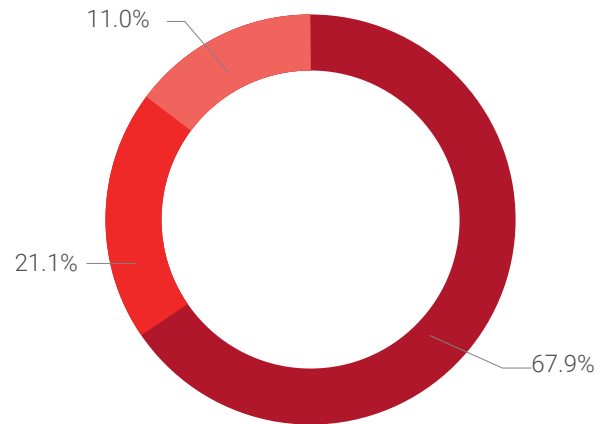
- Completely invalidated
- Partially invalidated
- Validity upheld

Trademark Cancellation-of-Registration Cases Concluded in 2022



- Completely cancelled
- Partially cancelled
- Validity upheld

Trademark Disapproval-of-Registration Cases Concluded in 2022



- Disapproved
- Partially disapproved
- Approved to register

Requests for Trademark Review and Adjudication in 2022

Type	2022	2021
Requests for review	422,703	472,728
(1) Review on rejection	331,591	382,728
(2) Complicated cases	91,112	90,000
(a) Invalidation declaration	71,308	68,435
(b) Cancellation of registration	16,005	16,994
(c) Disapproval of registration	3,744	4,513
(d) Others	55	58

Trademark Review and Adjudication Cases Concluded in 2022

Type	2022	2021
Reviews concluded	411,666	382,771
(1) Review on rejection	344,853	308,313
(2) Complicated cases	66,813	74,458
(a) Invalidation declaration	48,841	57,800
(b) Cancellation of registration	14,886	13,006
(c) Disapproval of registration	3,005	3,626
(d) Others	81	26

03

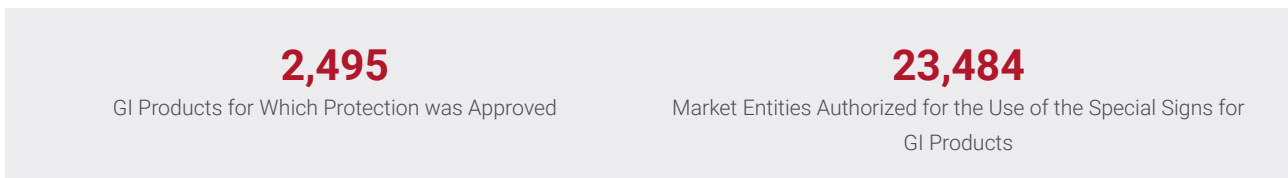
Geographical Indication (GI)

3.1 GI Product

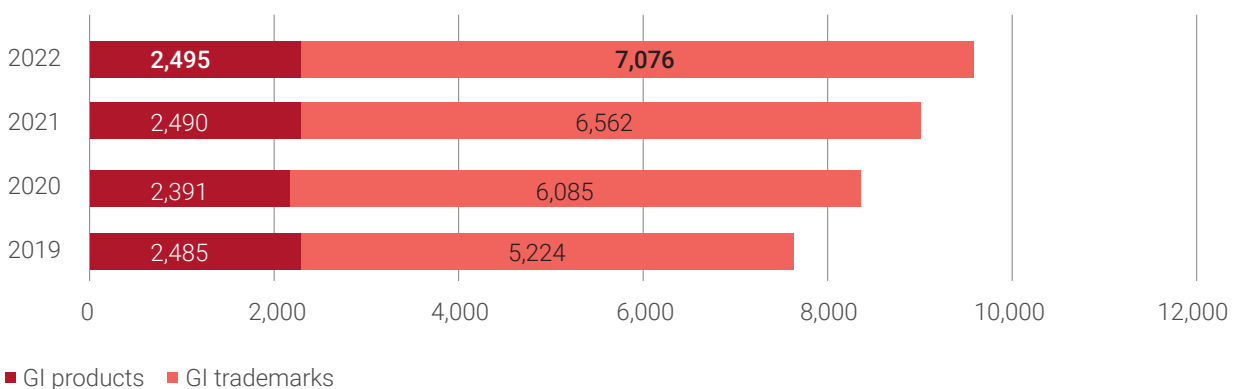
GI Products in 2022



As of the End of 2022



GI Products and GI Trademarks by the End of 2022

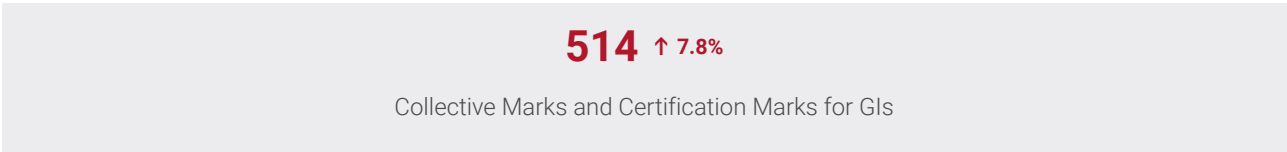


¹ The number of approvals is based on the number of applications for the protection of GI products that have been announced and approved.

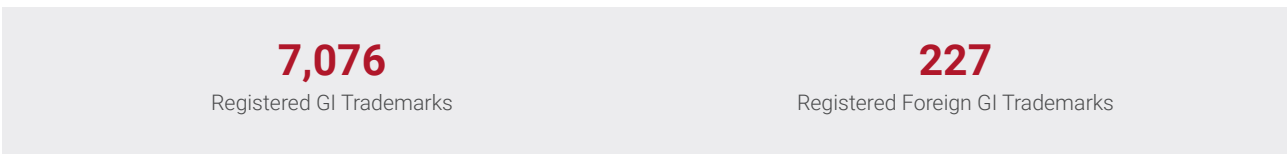
² The number of market entities is based on the number of legal users of the special sign for GIs who were permitted to access vector graphics, including producers who were approved to use the special sign for GI products, members of the collective as the right holder of the GIs registered as collective marks, and licensees of GIs registered as certification marks.

3.2 Collective mark and certification mark registered for GI

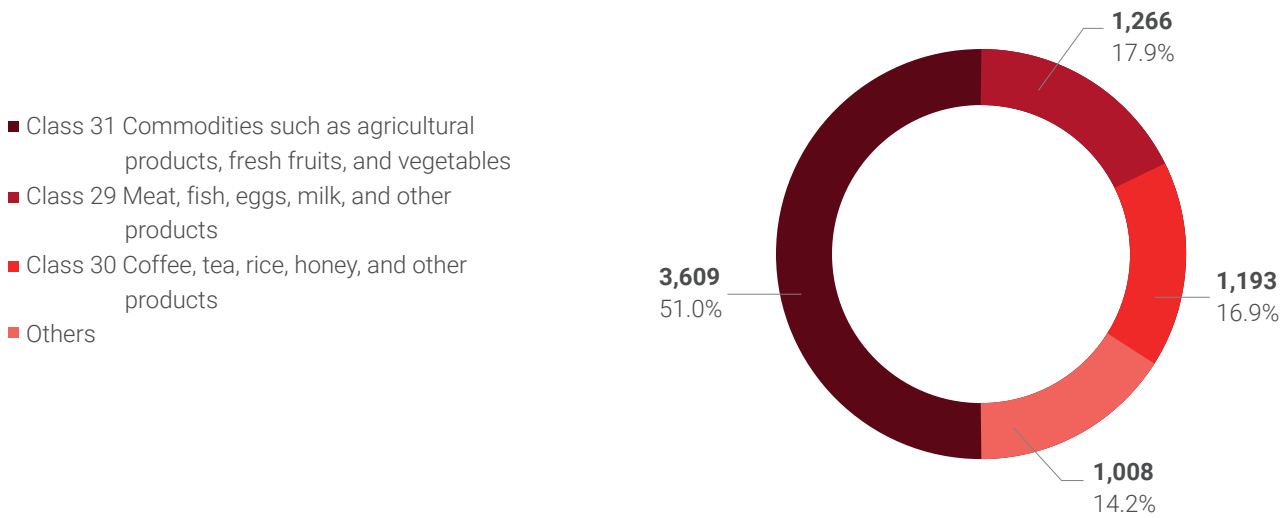
Approved Registration of Collective Marks and Certification Marks for GIs in 2022



Collective Marks and Certification Marks Registered for GIs, as of the End of 2022



Classes of Collective Marks and Certification Marks Registered for GIs



Top 5 Provinces in the Number of Collective Marks and Certification Marks Registered for GIs in 2022, Accounting for 43.3% of the Total

Ranking	Province	Registrations
1	Shandong	903
2	Fujian	643
3	Sichuan	587
4	Hubei	517
5	Jiangsu	412

Top 3 Countries/Regions in the Number of Collective Marks and Certification Marks Registered for GIs, as of the End of 2022

Ranking	Country/Region	Approved registrations
1	France	155
2	Italy	34
3	United States	14

As of the end of 2022, a total of 227 collective marks and certification marks were registered for foreign GIs, an increase of 5.6% over the end of 2021.

Top 10 Single Market Entities in Terms of Ownership of Collective Marks and Certification Marks Registered for GIs

Ranking	Market entity	Territory	Number of GI Trademarks Owned
1	Conseil Interprofessionnel du Vin de Bordeaux, France	France	139
2	Livestock and Poultry Industry Association of Huaiyin District, Huai'an City	Jiangsu, China	34
3	Geographical Indication Industry Association, Yunxiao County	Fujian, China	33
4	Agricultural and Sideline Products Marketing Association, Lianshui County	Jiangsu, China	26
5	Hongze Lake Agricultural Products Association, Hongze District, Huai'an City	Jiangsu, China	22
6	Association of Rural Cooperative Economic Organizations of Kashgar	Xinjiang, China	22
7	Agricultural and Sideline Products Marketing Association, Jintu County	Jiangsu, China	20
8	Specialty Products Association, Pinghe County	Fujian, China	20
9	Technology Service Center for Tea, Menghai County	Yunnan, China	17
10	Vegetable and Fruit Industry Association, Shouguang County	Shandong, China	15

04

Layout Design of Integrated Circuit

Layout Designs of Integrated Circuits in 2022

14 ↓ 29.2%

Applications for Registration of Layout
Designs of Integrated Circuits
(Thousand)

9,106 ↓ 30.4%

Certificates Issued

1

New Cases of Cancellation of Layout
Designs of Integrated Circuits

Since October 1st, 2001, the *Regulations on the Protection of Layout Designs of Integrated Circuits* Came into Effect:

81 thousand

Applications for Registration of Layout Designs of
Integrated Circuits

61 thousand

Certificates Issued

Cumulative Cases Accepted and Concluded of Cancellation of layout Designs of Integrated Circuits:

25

Cases Accepted of Cancellation of Layout Designs of
Integrated Circuits

21

Cases Concluded of Cancellation of Layout Designs of
Integrated Circuits