

## 2. Annual Statistics

### I. Patent Applications Filed & Disposed

#### A. General Statistics on Patent Cases (2013-2022)

Year \ Item	Application	Certificate Issued	Grant
2013	83,211	72,147	72,142
2014	78,015	76,258	76,252
2015	73,627	78,089	78,087
2016	72,442	76,406	76,406
2017	73,791	71,878	71,877
2018	73,421	62,193	62,193
2019	74,652	57,887	57,886
2020	72,238	58,719	58,719
2021	72,613	59,478	59,476
2022	72,059	58,015	58,014

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Note: "Application" refers to the numbers of applications filed each individual calendar year. "Certificate Issued" refers to the numbers of certificates being issued. "Grant" refers to the counts of approved cases published and issued at the same time.

#### B. Statistics on Patent from 2013 to 2022

##### 1. Patent Cases Filed & Disposed

Year \ Item	Application	Reexamination	Invalidation	Assignment	Licensing
2013	83,211	6,421	660	4,735	188
2014	78,015	7,154	616	4,745	116
2015	73,627	6,871	602	5,965	63
2016	72,442	6,329	548	6,621	107
2017	73,791	5,448	525	6,176	137
2018	73,421	4,513	567	5,886	111
2019	74,652	5,220	431	5,241	98
2020	72,238	6,500	467	6,221	140
2021	72,613	6,655	438	5,665	79
2022	72,059	6,540	431	5,851	123

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Note: 1. The numbers for "Application", "Reexamination", and "Invalidation" are the total counts of cases filed each year.  
2. The numbers for "Assignment" and "Licensing" are the total counts of cases concluded each year.

## 2. Invention Patent Applications Filed & Disposed

Item Year	Application	Pre-grant Publication	Request for Examination	Reexamination	Rejection	Grant	Invalidation
2013	49,217	52,123	43,447	6,350	26,287	40,249	123
2014	46,379	48,715	41,252	6,973	24,349	45,601	138
2015	44,415	47,363	40,475	6,667	21,372	48,315	122
2016	43,836	44,355	38,382	6,239	15,427	48,947	163
2017	46,122	43,676	40,124	5,343	10,383	45,710	163
2018	47,429	44,073	41,991	4,430	8,601	36,147	145
2019	48,268	48,020	42,987	5,076	9,640	34,926	123
2020	46,664	46,834	43,035	6,283	11,206	33,811	152
2021	49,116	47,951	43,576	6,496	10,628	36,576	161
2022	50,242	49,559	44,402	6,426	9,904	37,175	180

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Note: 1. "Rejection" refers to the counts of rejections rendered after the examination and reexamination process. "Grant" refers to the counts of approved cases published and issued at the same time.

2. "Pre-Grant Publication" refers to the early publication for new applications.

3. "Requests for Substantive Examination" refers to the counts of substantive examination are requested each individual calendar year.

## 3. Utility Model Patent Applications Filed & Disposed

Item Year	Application	Rejection	Grant	Requests for Technical Evaluation Report	Issuance of Technical Evaluation Report	Invalidation
2013	25,025	264	24,844	2,273	2,676	481
2014	23,488	239	23,712	2,153	2,104	422
2015	21,404	193	22,106	1,964	2,155	406
2016	20,161	191	19,793	1,607	2,049	329
2017	19,549	174	19,037	1,553	2,075	314
2018	17,910	160	18,559	1,397	1,515	368
2019	17,580	109	16,300	1,189	1,291	264
2020	17,555	105	17,489	1,075	850	274
2021	15,796	147	15,742	817	970	224
2022	14,662	146	14,212	758	831	219

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Note: 1. "Rejection" refers to the counts of rejections rendered after the examination and reexamination process. "Grant" refers to the counts of approved cases published and issued at the same time.

2. "Requests for Technical Evaluation Report" refers to the counts of technical evaluation reports requested each individual calendar year. "Issuance of Technical Evaluation Report" refers to the counts of the technical evaluation reports issued after receiving the requests.

#### 4. Design Patent Applications Filed & Disposed

Year \ Item	Application	Reexamination	Rejection	Grant	Invalidation
2013	8,969	70	753	7,049	56
2014	8,148	181	868	6,939	56
2015	7,808	204	877	7,666	74
2016	8,445	90	672	7,666	56
2017	8,120	104	521	7,130	48
2018	8,082	83	643	7,487	54
2019	8,804	144	753	6,660	44
2020	8,019	217	1,043	7,419	41
2021	7,701	159	853	7,158	53
2022	7,155	114	629	6,627	32

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Note: "Rejection" refers to the counts of rejections rendered after the examination and reexamination process. "Grant" refers to the counts of approved cases published and issued at the same time.

#### 5. Patent Opposition and Invalidation

Year \ Item	Opposition		Invalidation										
	Sustained	Denied	Sustained				Partially Sustained			Denied			
			Invention	Utility Model	Design	Subtotal	Invention	Utility Model	Subtotal	Invention	Utility Model	Design	Subtotal
2013	0	0	—	—	—	425	—	—	114	—	—	—	312
2014	0	1	—	—	—	360	—	—	135	—	—	—	309
2015	0	0	—	—	—	294	—	—	99	—	—	—	245
2016	0	0	—	—	—	277	—	—	100	—	—	—	300
2017	0	0	—	—	—	310	—	—	91	—	—	—	287
2018	0	0	—	—	—	266	—	—	86	—	—	—	233
2019	0	0	46	162	14	222	22	41	63	71	104	4	179
2020	0	0	43	132	29	204	16	54	70	37	68	21	126
2021	0	0	68	113	21	202	24	46	70	45	60	22	127
2022	0	0	45	99	24	168	18	28	46	99	85	34	218

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Note: 1. The numbers above refer to the counts of completed cases for patent oppositions, invalidation sustained, invalidation denied or invalidation partially sustained; all patents that are withdrawn, dismissed or rejected are excluded from the counts in the data of the table.

2. The provisions with respect to "oppositions" have been repealed starting from 1 July 2004, whereas there are still a few opposition cases pending for examination in the light of long-standing litigations.

3. In January 1, 2013, invalidation adopted the system of disposition by claims. Sustained invalidation refers to all claims being sustained in the invalidation request; partially sustained refers to parts of the claims in the invalidation request are sustained, while the remaining parts are either denied or rejected; denied invalidation refers to all the claims in the invalidation request are denied or parts of them are denied and the remaining parts are rejected.

4. The outcomes of design invalidation requests include sustained and denied invalidation but no partially sustained invalidation.

## 6. Patent Administrative Appeals

Year	Administrative Appeals					
	Cases Filed	Decisions of Administrative Appeals				
		Original Decisions Revoked	Others	Administrative Appeals Rejected	Other Disposals	Rate of Revocation
2013	444	37	2	367	8	9.4%
2014	426	21	1	390	7	5.3%
2015	367	15	4	386	6	4.6%
2016	313	14	2	296	6	5.0%
2017	288	11	3	284	2	4.7%
2018	274	13	1	254	1	5.2%
2019	211	7	1	242	2	3.2%
2020	201	5	0	205	0	2.4%
2021	238	6	0	219	1	2.7%
2022	198	4	1	190	3	2.5%

Note: 1. The above statistics are based on the numbers published by the Petitions and Appeals Committee, MOEA.

2. Rejection refers to not accepting and rejecting an appeal decision; others refer to partial rejection and partial cancellation cases; other disposals include withdrawal by the appellant, transfer of jurisdiction, and bundled proceeding.

## 7. Patent Administrative Litigation Processed by the Intellectual Property and Commercial Court

Year	Cases Received	Cases Concluded							
		Withdrawn	Plaintiff Won	Plaintiff Lost	Partially Sustained	Dismissals	Settlements	Others	Total
2013	133	8	16	111	12	1	0	0	148
2014	122	6	9	86	4	3	0	0	108
2015	127	3	18	87	14	6	0	0	128
2016	104	18	17	57	11	4	0	0	107
2017	103	7	16	62	11	2	0	0	98
2018	103	6	20	76	8	2	0	0	112
2019	95	3	22	77	3	2	0	0	107
2020	67	4	14	51	7	0	0	0	76
2021	70	1	5	52	5	0	0	0	63
2022	83	9	11	59	1	2	0	0	82

Note: 1. The above statistics are provided by the Intellectual Property and Commercial Court.

2. "Plaintiff Won" and "Partially Sustained" include appeals filed against the Ministry of Economic Affairs whose appeal decisions were revoked.

## 8. Resident and Non-Resident Patent Applications

Item Year	Residents				Non-Residents			
	Invention	Utility Model	Design	Total	Invention	Utility Model	Design	Total
2013	21,633	23,769	5,133	50,535	27,584	1,256	3,836	32,676
2014	18,988	22,113	4,672	45,773	27,391	1,375	3,476	32,242
2015	17,262	20,132	4,450	41,844	27,153	1,272	3,358	31,783
2016	16,866	18,998	4,579	40,443	26,970	1,163	3,866	31,999
2017	18,199	18,343	4,293	40,835	27,923	1,206	3,827	32,956
2018	18,365	16,661	4,252	39,278	29,064	1,249	3,830	34,143
2019	18,984	16,412	4,208	39,604	29,284	1,168	4,596	35,048
2020	19,012	16,445	3,947	39,404	27,652	1,110	4,072	32,834
2021	19,547	14,543	3,534	37,624	29,569	1,253	4,167	34,989
2022	19,400	13,669	3,411	36,480	30,842	993	3,744	35,579

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## 9. Resident and Non-Resident Patent Grants

Item Year	Residents				Non-Residents			
	Invention	Utility Model	Design	Total	Invention	Utility Model	Design	Total
2013	19,532	23,617	4,229	47,378	20,717	1,227	2,820	24,764
2014	21,261	22,458	4,023	47,742	24,340	1,254	2,916	28,510
2015	21,401	20,787	4,258	46,446	26,914	1,319	3,408	31,641
2016	21,178	18,608	4,185	43,971	27,769	1,185	3,481	32,435
2017	18,569	17,934	3,629	40,132	27,141	1,103	3,501	31,745
2018	14,651	17,270	3,903	35,824	21,496	1,289	3,584	26,369
2019	14,481	15,213	3,371	33,065	20,445	1,087	3,289	24,821
2020	13,986	16,345	3,351	33,682	19,825	1,144	4,068	25,037
2021	15,395	14,555	3,311	33,261	21,181	1,187	3,847	26,215
2022	15,899	13,114	2,916	31,929	21,276	1,098	3,711	26,085

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Note: "Grants" refer to the counts of approved cases published and issued at the same time.

## C. Statistics on Patent by Class

## 1. Statistics on Invention Patent Applications and Grants by Classification Covering the Last 3 Years

Classification	Application			Grant		
	2019	2020	2021	2020	2021	2022
A01	393	383	354	309	259	272
A21	29	26	25	20	24	8
A22	2	5	4	8	6	3
A23	323	321	295	218	229	176
A24	183	217	142	46	73	47
A41	86	92	71	69	60	38
A42	26	16	17	12	30	9
A43	73	80	78	75	88	61
A44	57	49	42	37	40	33
A45	100	97	75	56	62	79
A46	30	31	30	12	22	15
A47	551	520	476	460	480	392
A61	2,767	2,862	3,168	1,497	1,911	1,942
A62	49	126	104	37	64	59
A63	318	255	306	244	242	242
A99	0	0	0	0	0	0
B01	517	534	499	281	354	352
B02	20	27	19	16	11	7
B03	27	22	14	17	17	16
B04	6	3	4	10	0	2
B05	146	166	179	139	96	167
B06	13	5	6	7	6	3
B07	22	19	17	9	17	18
B08	92	106	139	80	72	100
B09	26	32	38	13	15	31
B21	99	100	103	64	95	89
B22	96	72	73	53	47	59
B23	529	537	528	301	439	423
B24	206	245	248	144	180	167
B25	483	449	460	346	367	376
B26	58	40	61	49	41	43

Classification	Application			Grant		
	2019	2020	2021	2020	2021	2022
B27	22	10	11	20	15	6
B28	19	32	38	28	23	18
B29	409	427	433	311	339	366
B30	10	11	8	3	12	3
B31	12	13	12	9	10	6
B32	777	668	698	449	476	475
B33	5	7	17	2	2	12
B41	158	116	110	137	114	95
B42	11	6	13	8	6	12
B43	19	30	23	20	15	14
B44	14	15	6	16	7	5
B60	424	433	523	281	346	358
B61	31	27	31	19	26	23
B62	422	409	451	371	404	362
B63	48	45	40	23	23	33
B64	34	41	42	21	30	25
B65	749	744	693	483	532	487
B66	50	74	74	38	48	51
B67	14	15	15	9	10	13
B68	0	1	1	0	0	1
B81	41	46	34	59	62	34
B82	28	23	25	31	30	26
C01	349	360	325	197	212	243
C02	151	137	147	86	124	90
C03	369	314	286	234	232	238
C04	161	141	163	116	118	129
C05	28	13	17	16	16	12
C06	1	2	0	0	2	1
C07	1,868	2,157	2,391	1,173	1,199	1,293
C08	2,070	2,156	2,212	1,123	1,379	1,535
C09	1,592	1,415	1,317	927	989	1,069
C10	37	66	71	44	28	35
C11	88	92	95	40	68	67

Classification	Application			Grant		
	2019	2020	2021	2020	2021	2022
C12	516	526	647	271	319	312
C13	2	0	0	1	2	1
C14	3	0	0	0	0	0
C21	51	67	73	53	43	47
C22	306	252	218	234	262	208
C23	783	780	844	541	622	491
C25	184	202	236	171	186	178
C30	117	148	157	70	124	110
C40	1	0	0	2	1	0
D01	82	74	77	65	49	71
D02	18	24	24	13	13	23
D03	26	37	31	16	23	27
D04	95	74	79	45	65	68
D05	53	26	32	38	43	35
D06	174	123	133	108	88	97
D07	1	0	0	0	1	0
D21	50	30	24	30	39	26
D99	0	0	0	0	0	0
E01	27	22	21	12	20	18
E02	40	44	36	18	19	35
E03	65	59	50	38	46	50
E04	213	182	220	148	152	233
E05	127	124	138	84	131	94
E06	73	73	61	66	66	71
E21	10	13	7	7	3	12
F01	40	27	35	30	17	26
F02	40	28	22	30	19	21
F03	129	96	102	70	53	78
F04	270	184	250	221	186	177
F15	38	24	21	33	25	16
F16	667	606	590	517	572	454
F17	28	36	18	14	14	24
F21	164	138	144	124	139	120

Classification	Application			Grant		
	2019	2020	2021	2020	2021	2022
F22	12	10	11	6	5	9
F23	57	67	68	43	37	30
F24	215	197	206	170	143	142
F25	72	58	55	51	57	39
F26	24	25	21	16	15	17
F27	25	34	35	22	10	36
F28	166	147	157	104	90	109
F41	36	47	47	29	27	21
F42	0	5	5	1	2	2
G01	2,052	1,972	2,157	1,379	1,510	1,612
G02	1,538	1,601	1,473	1,320	1,313	1,219
G03	1,053	969	1,062	932	868	818
G04	10	23	10	32	23	11
G05	308	288	402	248	234	233
G06	5,149	4,817	4,583	3,490	3,705	4,299
G07	85	61	45	40	53	52
G08	201	195	152	95	128	133
G09	566	586	612	535	529	545
G10	153	195	209	107	166	149
G11	660	651	715	658	724	707
G12	3	2	1	3	2	0
G16	185	195	276	83	85	176
G21	15	46	38	21	25	26
G99	0	0	0	0	0	0
H01	7,844	7,403	9,018	6,269	6,743	6,738
H02	944	914	893	860	730	748
H03	481	413	535	434	372	434
H04	3,164	2,626	2,568	2,062	2,511	2,463
H05	966	1,097	1,147	808	883	918
H99	0	0	0	0	0	0
X	553	519	428	0	0	0

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Note: The counts of patent applications of the year are excluded from the annual report owing to the statistical time lag of the classification process; thus, numbers from the last three years are counted as the basis of the statistics.

## 2. Statistics on Utility Model Patent Applications and Grants by Classification Covering the Last 3 Years

Classification	Application			Grant		
	2019	2020	2021	2020	2021	2022
A01	497	528	446	504	459	412
A21	49	54	42	57	39	43
A22	6	4	5	4	2	5
A23	169	140	142	154	130	131
A24	21	23	18	31	15	12
A41	192	252	228	221	238	180
A42	48	57	56	47	61	45
A43	160	120	124	147	119	108
A44	73	68	81	60	71	59
A45	393	337	227	387	254	217
A46	38	27	15	31	22	12
A47	1,403	1,187	1,000	1,280	987	861
A61	1,176	1,239	1,086	1,267	1,052	915
A62	102	324	199	244	220	137
A63	497	437	364	453	378	346
A99	0	1	0	1	0	0
B01	204	227	240	235	186	247
B02	22	18	19	20	22	17
B03	7	11	7	8	7	6
B04	9	4	2	4	3	0
B05	90	93	82	110	78	74
B06	1	1	1	1	2	1
B07	14	18	16	16	17	17
B08	45	49	42	47	41	43
B09	19	27	23	17	25	25
B21	74	66	50	78	58	43
B22	21	12	19	20	18	13
B23	327	378	284	361	302	257
B24	80	79	60	89	65	64
B25	276	276	227	291	240	213
B26	70	63	43	71	53	46
B27	36	18	12	25	14	15

Classification	Application			Grant		
	2019	2020	2021	2020	2021	2022
B28	19	9	18	15	13	9
B29	129	121	96	114	112	100
B30	16	9	13	10	11	9
B31	14	18	6	21	8	3
B32	132	118	99	119	101	86
B33	2	3	0	3	0	0
B41	53	44	39	48	37	34
B42	37	37	27	32	31	29
B43	48	42	28	42	33	32
B44	45	43	31	45	26	30
B60	442	410	428	418	419	365
B61	7	13	8	8	14	6
B62	435	455	408	476	414	373
B63	44	34	50	38	41	37
B64	33	24	26	23	26	18
B65	849	876	706	842	752	722
B66	76	92	77	92	79	76
B67	23	17	25	20	23	25
B68	0	4	1	2	3	0
B81	11	0	1	1	1	0
B82	1	0	0	1	0	0
C01	22	17	16	22	18	9
C02	77	76	99	73	81	83
C03	15	19	7	16	16	7
C04	13	10	5	5	4	4
C05	13	7	8	11	6	7
C06	0	0	0	0	0	0
C07	3	1	2	2	1	5
C08	11	11	14	12	10	13
C09	18	20	15	23	10	16
C10	8	4	11	8	6	8
C11	14	10	13	9	8	11
C12	34	32	33	36	29	37

Classification	Application			Grant		
	2019	2020	2021	2020	2021	2022
C13	0	0	0	0	0	0
C14	0	0	0	0	0	0
C21	12	15	8	11	17	11
C22	5	10	5	9	7	3
C23	19	38	38	21	49	31
C25	46	48	25	46	32	27
C30	2	2	4	2	4	5
C40	0	0	0	0	0	0
D01	19	18	18	17	20	15
D02	11	15	16	9	14	12
D03	31	33	22	33	24	17
D04	52	50	31	55	40	24
D05	34	20	21	24	17	23
D06	49	66	61	64	51	50
D07	2	3	0	3	0	0
D21	9	9	6	11	5	6
D99	0	0	0	0	0	0
E01	51	44	37	43	41	29
E02	44	38	31	43	31	31
E03	74	69	73	78	63	67
E04	371	353	315	375	314	299
E05	163	151	132	138	151	111
E06	153	192	134	174	171	98
E21	10	9	8	10	9	4
F01	42	37	33	27	42	24
F02	40	41	26	43	29	34
F03	81	57	69	79	43	75
F04	188	159	151	164	135	154
F15	11	10	15	11	13	13
F16	633	669	565	618	625	501
F17	17	15	14	11	15	17
F21	257	173	156	227	143	153
F22	5	0	5	5	4	1

Classification	Application			Grant		
	2019	2020	2021	2020	2021	2022
F23	62	68	56	59	60	42
F24	315	279	250	273	254	213
F25	54	40	42	46	30	41
F26	23	22	18	21	21	19
F27	16	22	14	23	17	7
F28	66	66	98	70	83	108
F41	57	67	44	55	67	43
F42	6	2	8	7	5	3
G01	436	433	436	452	430	360
G02	332	318	283	317	281	285
G03	91	90	78	91	78	76
G04	28	18	14	19	16	10
G05	57	59	59	58	63	49
G06	1,611	1,870	1,809	1,780	1,823	1,660
G07	63	64	78	67	66	61
G08	164	171	158	163	153	139
G09	163	195	166	192	173	143
G10	71	69	64	67	66	39
G11	38	42	31	36	35	23
G12	1	2	3	2	1	3
G16	80	91	87	81	91	92
G21	1	3	4	2	5	1
G99	0	0	1	1	1	0
H01	1,267	1,159	1,303	1,226	1,237	1,190
H02	395	369	308	364	324	295
H03	25	28	37	30	20	33
H04	332	305	264	315	288	256
H05	422	475	436	453	434	468
H99	0	0	0	0	0	0
X	210	170	158	0	0	0

Reporting Date: January 11, 2023

Note: The counts of patent applications of the year are excluded from the annual report owing to the statistical time lag of the classification process; thus, numbers from the last three years are counted as the basis of the statistics.

## 3. Statistics on Design Patent Applications and Grants by Classification Covering the Last 3 Years

Classification	Application			Grant		
	2019	2020	2021	2020	2021	2022
01	68	57	57	26	36	28
02	324	242	267	254	194	176
03	213	184	220	155	158	151
04	59	74	53	68	39	36
05	48	59	42	30	47	38
06	412	307	323	302	228	275
07	395	331	288	312	237	247
08	426	356	292	376	338	268
09	509	484	461	462	403	416
10	307	168	218	258	156	235
11	318	272	395	278	251	323
12	897	1,010	808	831	1,034	802
13	771	578	547	639	601	394
14	1,018	973	1,037	900	965	918
15	422	377	327	349	347	311
16	246	199	184	241	150	118
17	15	7	5	6	7	3
18	23	29	9	30	14	10
19	85	92	88	83	77	86
20	49	35	16	31	17	19
21	328	231	246	211	247	246
22	37	55	65	31	64	48
23	485	483	455	412	383	426
24	203	249	236	185	215	235
25	146	150	117	131	135	72
26	438	487	463	428	424	396
27	38	41	36	11	24	56
28	310	282	237	273	249	194
29	25	46	68	33	38	42
30	56	42	31	32	35	24
31	62	51	33	41	45	30
32	0	0	6	0	0	4
X	71	68	71	0	0	0

Reporting Date: January 11, 2023

Note: The counts of patent applications of the year are excluded from the annual report owing to the statistical time lag of the classification process; thus, numbers from the last three years are counted as the basis of the statistics.

#### 4. Counts of Invention Patent Applications Ranked by International Patent Classification (IPC) in 2021 (TOP 20)

Rank	IPC	IPC Subject	Total
1	H01L	Semiconductor devices; electric solid state devices not otherwise provided for	6,605
2	G06F	Electric digital data processing	2,530
3	A61K	Preparations for medical, dental, or toilet purposes	1,822
4	C07D	Heterocyclic compounds	1,035
5	G02B	Optical elements, systems, or apparatus	1,011
6	G06Q	Electronic commerce	1,009
7	H05K	Printed circuits; casings or constructional details of electric apparatus; manufacture of assemblages of electrical components	871
8	G03F	Photomechanical production of textured or patterned surfaces; materials therefor; originals therefor; apparatus specially adapted therefor	831
9	C23C	Coating metallic material; coating material with metallic material	804
10	H04W	Wireless communication networks	803
11	C07K	Peptides	794
12	C08G	Macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds	754
13	H04N	Pictorial communication	746
14	G01N	Investigating or analyzing materials by determining their chemical or physical properties	737
15	B32B	Layered products	698
16	G01R	Measuring electric variables; measuring magnetic variables	630
17	G11C	Static stores	609
18	H04L	Transmission of digital information	546
19	H01R	Electrically-conductive connections	510
20	A61B	Diagnosis; surgery; identification	507

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Note: 1. The table displays in descending order, which is based on counts of patent applications.

2. For detailed classification descriptions, please refer to International Patent Classification version 2021.01.

3. The counts of patent applications of the year are excluded from the annual report owing to the statistical time lag of classification process; thus, numbers from the last year are counted as the basis of the statistics.

5. Counts of Utility Model Patent Applications Ranked by International Patent Classification (IPC) in 2021 (TOP 20)

Rank	IPC	IPC Subject	Total
1	G06Q	Electronic commerce	1,074
2	G06F	Electric digital data processing	597
3	H01R	Electrically-conductive connections	545
4	B65D	Containers for storage or transport of articles or materials	412
5	H05K	Printed circuits; casings or constructional details of electric apparatus; manufacture of assemblages of electrical components	398
6	H01L	Semiconductor devices; electric solid state devices not otherwise provided for	381
7	A47G	Household or table equipment	258
8	A47J	Kitchen equipment; coffee mills; spice mills; apparatus for making beverages	216
9	A63B	Apparatus for physical training, gymnastics, swimming, climbing, or fencing; ball games; training equipment	203
10	A01K	Animal husbandry; care of birds, fishes, insects; fishing; rearing or breeding animals, not otherwise provided for; new breeds of animals	202
11	B01D	Separation	200
12	A61B	Diagnosis; surgery; identification	185
13	A61L	Methods or apparatus for sterilizing materials or objects in general; disinfection, sterilization, or deodorization of air	174
14	A47B	Tables; desks; office furniture; cabinets; drawers; general details of furniture	173
14	A62B	Devices, apparatus or methods for life-saving	173
16	A41D	Outerwear; protective garments; accessories	160
16	A61H	Physical therapy apparatus	160
18	B65G	Transport or storage devices	149
19	B23Q	Details, components, or accessories for machine tools	147
20	A01G	Horticulture; cultivation of vegetables, flowers, rice, fruit, vines, hops or seaweed; forestry; watering	141
20	A47C	Chairs; sofas; beds	141

Reporting Date: January 11, 2023

Note: 1. The table displays in descending order, which is based on counts of patent applications.

2. For detailed classification descriptions, please refer to International Patent Classification version 2021.01.

3. The counts of patent applications of the year are excluded from the annual report owing to the statistical time lag of the classification process; thus, numbers from the last year are counted as the basis of the statistics.

## 6. Counts of Design Patent Applications Ranked by International Classification for Industrial Designs (LOC) in 2021 (TOP 20)

Rank	LOC	LOC Subject	Total
1	12-16	Parts, equipment and accessories for vehicles, not included in other classes or subclasses	459
2	26-06	Luminous devices for vehicles	365
3	14-02	Data processing equipment as well as peripheral apparatus and devices	343
4	13-03	Equipment for distribution or control of electric power	310
5	11-01	Jewellery	297
6	14-04	Screen displays and icons	262
7	14-03	Communications equipment, wireless remote controls and radio amplifiers	237
8	28-03	Toilet articles and beauty parlor equipment	213
9	03-01	Trunks, suitcases, briefcases, handbags, keyholders, cases specially designed for their contents, wallets and similar articles	189
10	09-01	Bottles, flasks, pots, carboys, demijohns, and containers with dynamic dispensing means	177
11	02-04	Footwear, socks and stockings	173
12	21-01	Games and toys	164
13	23-01	Fluid distribution equipment	156
14	23-04	Ventilation and air-conditioning equipment	152
15	14-01	Equipment for the recording or reproduction of sounds or pictures	149
16	07-02	Cooking appliances, utensils and containers	140
17	09-03	Boxes, cases, containers, (preserve) tins or cans	134
18	16-06	Optical articles	133
19	12-11	Cycles and motorcycles	125
20	06-04	Storage furniture	124

Reporting Date: January 11, 2023

Note: 1. The table displays in descending order, which is based on counts of patent applications.

2. The counts of patent applications of the year are excluded from the annual report owing to the statistical time lag of the classification process; thus, numbers from the last year are counted as the basis of the statistics.

3. For detailed LOC classification descriptions, please refer to International Classification for Industrial Designs 13th edition.

## 7. Counts of Invention Patent Grants Ranked by International Patent Classification (IPC) in 2022 (TOP 20)

Rank	IPC	IPC Subject	Total
1	H01L	Semiconductor devices; electric solid state devices not otherwise provided for	5,112
2	G06F	Electric digital data processing	2,570
3	H04W	Wireless communication networks	868
4	A61K	Preparations for medical, dental, or toilet purposes	816
5	G06Q	Electronic commerce	797
6	G02B	Optical elements, systems, or apparatus	768
7	H05K	Printed circuits; casings or constructional details of electric apparatus; manufacture of assemblages of electrical components	700
8	G11C	Static stores	640
9	G03F	Photomechanical production of textured or patterned surfaces; materials therefor; originals therefor; apparatus specially adapted therefor; exposure apparatus	618
10	H04N	Pictorial communication	604
11	C07D	Heterocyclic compounds	574
12	G01N	Investigating or analyzing materials by determining their chemical or physical properties	566
13	H04L	Transmission of digital information	547
14	C08L	Compositions of macromolecular compounds	504
15	G01R	Measuring electric variables; measuring magnetic variables	500
16	B32B	Layered products	475
17	C23C	Coating metallic material; coating material with metallic material	472
18	C08G	Macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds	436
19	A61B	Diagnosis; surgery; identification	430
20	G02F	Optical devices or arrangements for the control of light by modification of the optical properties of the media of the elements involved therein	415

Reporting Date: January 11, 2023

Note: 1. The table displays in descending order, which is based on counts of patent grants.

2. For detailed classification descriptions, please refer to International Patent Classification version 2021.01.

8. Counts of Utility Model Patent Grants Ranked by International Patent Classification (IPC) in 2022 (TOP 20)

Rank	IPC	IPC Subject	Total
1	G06Q	Electronic commerce	1,074
2	G06F	Electric digital data processing	471
3	H01R	Electrically-conductive connections	468
4	H05K	Printed circuits; casings or constructional details of electric apparatus; manufacture of assemblages of electrical components	420
5	B65D	Containers for storage or transport of articles or materials	409
6	H01L	Semiconductor devices; electric solid state devices not otherwise provided for	346
7	A47G	Household or table equipment	217
8	B01D	Separation	209
9	A63B	Apparatus for physical training, gymnastics, swimming, climbing, or fencing; ball games; training equipment	205
10	A47J	Kitchen equipment; coffee mills; spice mills; apparatus for making beverages	201
11	A01K	Animal husbandry; care of birds, fishes, insects; fishing; rearing or breeding animals, not otherwise provided for; new breeds of animals	167
12	B65G	Transport or storage devices, shop conveyor systems or pneumatic tube conveyors	163
13	A61B	Diagnosis; surgery; identification	158
14	A47B	Tables; desks; office furniture; cabinets; drawers; general details of furniture	150
15	G02B	Optical elements, systems, or apparatus	148
16	A01G	Horticulture; cultivation of vegetables, flowers, rice, fruit, vines, hops or seaweed; forestry; watering	140
17	A61H	Physical therapy apparatus	127
17	B62J	Cycle saddles or seats; auxiliary devices or accessories specially adapted to cycles and not otherwise provided for	127
19	A47C	Chairs; sofas; beds	123
19	G01N	Investigating or analyzing materials by determining their chemical or physical properties	123

Reporting Date: January 11, 2023

Note: 1. The table displays in descending order, which is based on counts of patent grants.

2. Please refer to International Patent Classification version 2021.01 for detailed classification descriptions.

9. Counts of Design Patent Grants Ranked by International Classification for Industrial Designs (LOC) in 2022 (TOP 20)

Rank	LOC	LOC Subject	Total
1	12-16	Parts, equipment and accessories for vehicles, not included in other classes or subclasses	499
2	14-02	Data processing equipment as well as peripheral apparatus and devices	333
3	26-06	Luminous devices for vehicles	321
4	11-01	Jewellery	267
5	14-04	Screen displays and icons	247
6	13-03	Equipment for distribution or control of electric power	213
7	14-03	Communications equipment, wireless remote controls and radio amplifiers	195
8	28-03	Toilet articles and beauty parlor equipment	177
9	21-01	Games and toys	170
10	23-01	Fluid distribution equipment	164
11	09-01	Bottles, flasks, pots, carboys, demijohns, and containers with dynamic dispensing means	157
12	03-01	Trunks, suitcases, briefcases, handbags, keyholders, cases specially designed for their contents, wallets and similar articles	130
13	23-04	Ventilation and air-conditioning equipment	128
14	09-03	Boxes, cases, containers, (preserve) tins or cans	119
15	13-02	Power transformers, rectifiers, batteries and accumulators	117
16	07-02	Cooking appliances, utensils and containers	113
17	06-04	Storage furniture	106
18	02-04	Footwear, socks and stockings	99
19	12-11	Cycles and motorcycles	96
20	14-01	Equipment for the recording or reproduction of sounds or pictures	95

Reporting Date: January 11, 2023

Note: 1. The table displays in descending order, which is based on counts of patent grants.

2. For detailed LOC classification descriptions, please refer to International Classification for Industrial Designs 13th edition.

### 10. Statistics on Patent Applications by Nationality (2022)

Nationality	Application				
	Invention	Utility Model	Design	Total	Percentage
TAIWAN, REPUBLIC OF CHINA	19,400	13,669	3,411	36,480	50.63%
JAPAN	12,078	52	998	13,128	18.22%
UNITED STATES OF AMERICA	7,671	97	749	8,517	11.82%
MAINLAND CHINA	3,493	573	358	4,424	6.14%
REPUBLIC OF KOREA	2,582	46	147	2,775	3.85%
GERMANY	991	7	244	1,242	1.72%
SWITZERLAND	630	3	371	1,004	1.39%
NETHERLANDS	665	4	146	815	1.13%
SINGAPORE	521	45	63	629	0.87%
FRANCE	268	5	212	485	0.67%
UNITED KINGDOM	310	1	49	360	0.50%
HONG KONG	188	64	96	348	0.48%
SWEDEN	158	1	52	211	0.29%
ITALY	110	2	74	186	0.26%
CAYMAN ISLANDS	113	41	4	158	0.22%
ISRAEL	132	2	2	136	0.19%
CANADA	116	0	5	121	0.17%
BELGIUM	93	0	9	102	0.14%
FINLAND	95	0	2	97	0.13%
AUSTRIA	89	2	2	93	0.13%
NEW ZEALAND	31	0	62	93	0.13%
DENMARK	67	0	11	78	0.11%
AUSTRALIA	37	3	24	64	0.09%
IRELAND	51	0	1	52	0.07%
INDIA	49	1	2	52	0.07%
NORWAY	28	0	11	39	0.05%

Nationality	Application				
	Invention	Utility Model	Design	Total	Percentage
BRITISH VIRGIN ISLANDS	33	2	2	37	0.05%
SPAIN	30	0	4	34	0.05%
SAMOA	18	12	4	34	0.05%
MALAYSIA	21	5	7	33	0.05%
RUSSIAN FEDERATION	16	0	0	16	0.02%
VIETNAM	4	4	8	16	0.02%
LUXEMBOURG	13	0	0	13	0.02%
SLOVENIA	0	0	13	13	0.02%
ANGUILLA	2	4	1	7	0.01%
BRAZIL	6	0	0	6	0.01%
SEYCHELLES	5	1	0	6	0.01%
TURKEY	4	1	1	6	0.01%
CAMBODIA	0	5	1	6	0.01%
BERMUDA	5	0	0	5	0.01%
LIECHTENSTEIN	5	0	0	5	0.01%
MAURITIUS	2	1	2	5	0.01%
OTHERS	112	9	7	128	0.17%
TOTAL	50,242	14,662	7,155	72,059	100.00%

Reporting Date: January 11, 2023

Note: Counts which are fewer than 5 applications are listed as "OTHERS".

### 11. Statistics on Pre-Grant Publications by Nationality (2022)

Nationality	Pre-Grant Publication	Percentage	Nationality	Pre-Grant Publication	Percentage
TAIWAN, REPUBLIC OF CHINA	19,300	38.94%	INDIA	64	0.13%
JAPAN	12,255	24.73%	IRELAND	60	0.12%
UNITED STATES OF AMERICA	7,419	14.97%	AUSTRALIA	50	0.10%
MAINLAND CHINA	3,024	6.10%	SAMOA	24	0.05%
REPUBLIC OF KOREA	2,328	4.70%	LUXEMBOURG	21	0.04%
GERMANY	997	2.01%	NEW ZEALAND	21	0.04%
SWITZERLAND	698	1.41%	SPAIN	20	0.04%
NETHERLANDS	612	1.23%	BRITISH VIRGIN ISLANDS	19	0.04%
SINGAPORE	472	0.95%	MALAYSIA	18	0.04%
UNITED KINGDOM	312	0.63%	NORWAY	15	0.03%
FRANCE	260	0.52%	CZECH REPUBLIC	10	0.02%
HONG KONG	259	0.52%	THAILAND	10	0.02%
SWEDEN	162	0.33%	RUSSIAN FEDERATION	8	0.02%
ISRAEL	150	0.30%	VIETNAM	8	0.02%
AUSTRIA	126	0.25%	ANTIGUA AND BARBUDA	7	0.01%
CANADA	116	0.23%	SEYCHELLES	6	0.01%
ITALY	111	0.22%	UNITED ARAB EMIRATES	5	0.01%
BELGIUM	100	0.20%	LIECHTENSTEIN	5	0.01%
CAYMAN ISLANDS	99	0.20%	PORTUGAL	5	0.01%
DENMARK	82	0.17%	OTHERS	230	0.49%
FINLAND	71	0.14%	TOTAL	49,559	100.00%

Reporting Date: January 11, 2023

Note: Counts which are fewer than 5 pre-grant publications are listed as "OTHERS".

## 12. Statistics on Patent Grants by Nationality (2022)

Nationality	Number of Granted Patents				
	Invention	Utility Model	Design	Total	Percentage
TAIWAN, REPUBLIC OF CHINA	15,899	13,114	2,916	31,929	55.04%
JAPAN	8,990	60	944	9,994	17.23%
UNITED STATES OF AMERICA	4,707	99	686	5,492	9.47%
MAINLAND CHINA	2,425	670	396	3,491	6.02%
REPUBLIC OF KOREA	1,612	31	145	1,788	3.08%
GERMANY	712	7	211	930	1.60%
SWITZERLAND	323	8	463	794	1.37%
NETHERLANDS	486	0	96	582	1.00%
FRANCE	147	3	325	475	0.82%
SINGAPORE	373	49	37	459	0.79%
HONG KONG	231	68	112	411	0.71%
CAYMAN ISLANDS	205	40	2	247	0.43%
UNITED KINGDOM	201	3	25	229	0.39%
SWEDEN	120	0	66	186	0.32%
ITALY	85	2	62	149	0.26%
AUSTRIA	95	2	6	103	0.18%
ISRAEL	88	1	2	91	0.16%
CANADA	59	3	4	66	0.11%
DENMARK	49	0	11	60	0.10%
NEW ZEALAND	9	0	43	52	0.09%
IRELAND	47	0	2	49	0.08%
BELGIUM	46	0	1	47	0.08%
FINLAND	39	0	3	42	0.07%
AUSTRALIA	28	5	8	41	0.07%
BRITISH VIRGIN ISLANDS	25	8	6	39	0.07%
INDIA	35	0	2	37	0.06%

Nationality	Number of Granted Patents				
	Invention	Utility Model	Design	Total	Percentage
SAMOA	25	8	0	33	0.06%
MALAYSIA	15	6	1	22	0.04%
SPAIN	12	1	8	21	0.04%
LUXEMBOURG	17	0	0	17	0.03%
ANTIGUA AND BARBUDA	14	0	0	14	0.02%
NORWAY	9	0	4	13	0.02%
SLOVENIA	1	0	10	11	0.02%
RUSSIAN FEDERATION	3	0	7	10	0.02%
VIETNAM	2	4	3	9	0.02%
THAILAND	6	0	1	7	0.01%
CZECH REPUBLIC	4	0	3	7	0.01%
BRAZIL	4	0	2	6	0.01%
SEYCHELLES	4	2	0	6	0.01%
HUNGARY	4	0	1	5	0.01%
BELIZE	1	3	1	5	0.01%
ANGUILLA	0	4	1	5	0.01%
OTHERS	18	11	11	40	0.06%
<b>TOTAL</b>	<b>37,175</b>	<b>14,212</b>	<b>6,627</b>	<b>58,014</b>	<b>100.00%</b>

Reporting Date: January 11, 2023

Note: Counts which are fewer than 5 granted patents are listed as "OTHERS".

## 13. Resident Patent Applicants Ranked by Counts of Patent Applications Filed in 2022 (Top 20)

Rank	Applicant	Number of Applications			
		Invention	Utility Model	Design	Total
1	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY LTD.	1,534	0	0	1,534
2	ACER INCORPORATED	335	41	154	530
3	AU OPTRONICS CORPORATION	479	5	21	505
4	MEDIATEK INC.	409	3	0	412
5	NANYA TECHNOLOGY CORPORATION	371	0	0	371
6	INNOLUX CORPORATION	328	8	0	336
7	REALTEK SEMICONDUCTOR CORPORATION	332	0	0	332
8	INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE	315	16	0	331
9	INVENTEC CORPORATION	263	26	0	289
10	CHINA STEEL CORPORATION	117	132	0	249
11	TAIWAN COOPERATIVE BANK CO., LTD.	22	198	0	220
12	HON HAI PRECISION INDUSTRY CO., LTD.	175	37	3	215
13	BANK OF TAIWAN	10	202	2	214
14	DELTA ELECTRONICS, INC.	128	39	38	205
14	MEGA INTERNATIONAL COMMERCIAL BANK CO., LTD.	53	152	0	205
16	ASUSTEK COMPUTER INC.	87	112	5	204
17	WISTRON CORPORATION	174	10	1	185
18	UNITED MICROELECTRONICS CORP.	184	0	0	184
19	COMPAL ELECTRONICS, INC.	128	12	38	178
20	TAIPEI CHENGSHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY	12	150	0	162

Reporting Date: January 11, 2023

Note: Applicants with the same counts of applications are regarded as the same ranking, whereas the order is based on the counts of invention patent applications filed.

#### 14. Resident Patent Applicants Ranked by Counts of Grants in 2022 (Top 20)

Rank	Applicant	Number of Grants			
		Invention	Utility Model	Design	Total
1	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY LTD.	1,196	0	0	1,196
2	AU OPTRONICS CORPORATION	410	7	14	431
3	ACER INCORPORATED	249	47	107	403
4	REALTEK SEMICONDUCTOR CORPORATION	388	0	2	390
5	INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE	287	12	0	299
6	MEDIATEK INC.	288	6	0	294
7	INVENTEC CORPORATION	216	27	0	243
8	HON HAI PRECISION INDUSTRY CO., LTD.	185	36	3	224
9	NANYA TECHNOLOGY CORPORATION	214	0	0	214
10	CHINA STEEL CORPORATION	94	109	0	203
11	DELTA ELECTRONICS, INC.	136	35	24	195
11	COMPAL ELECTRONICS, INC.	134	13	48	195
13	ASUSTEK COMPUTER INC.	81	104	5	190
14	CHUNGHWA TELECOM CO., LTD.	174	1	0	175
15	MEGA INTERNATIONAL COMMERCIAL BANK CO., LTD.	30	142	0	172
16	BANK OF TAIWAN	17	125	0	142
17	WISTRON CORPORATION	122	18	0	140
18	NUVOTON TECHNOLOGY CORPORATION	128	4	0	132
19	QUANTA COMPUTER INC.	64	41	17	122
20	TAIWAN COOPERATIVE BANK CO., LTD.	4	115	0	119

Reporting Date: January 11, 2023

Note: Applicants with the same counts of grants are regarded as the same ranking, whereas the order is based on the counts of invention patents.

## 15. Non-Resident Patent Applicants Ranked by Counts of Patent Applications Filed in 2022 (Top 20)

Rank	Applicant	Number of Applications			
		Invention	Utility Model	Design	Total
1	APPLIED MATERIALS, INC.	847	2	32	881
2	QUALCOMM INCORPORATED	763	0	0	763
3	SAMSUNG ELECTRONICS CO., LTD.	666	0	9	675
4	TOKYO ELECTRON LIMITED	486	0	1	487
5	NITTO DENKO CORPORATION	445	0	0	445
6	KIOXIA CORPORATION	436	0	0	436
7	META PLATFORMS TECHNOLOGIES, LLC	290	0	3	293
8	SHIN-ETSU CHEMICAL CO., LTD.	202	12	61	275
9	FUJIFILM CORPORATION	270	0	0	270
10	DISCO CORPORATION	266	0	0	266
11	ASML NETHERLANDS B.V.	260	0	0	260
12	SUMITOMO CHEMICAL CO., LTD.	234	0	0	234
13	LAM RESEARCH CORPORATION	195	4	18	217
14	SCREEN HOLDINGS CO., LTD.	202	1	0	203
15	ASM IP HOLDING B.V.	186	0	15	201
16	FANUC CORPORATION	195	0	5	200
17	INTEL CORPORATION	199	0	0	199
18	SEMICONDUCTOR ENERGY LABORATORY CO., LTD.	189	0	0	189
19	XI'AN ESWIN MATERIAL TECHNOLOGY CO., LTD.	162	0	0	162
20	PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.	120	0	39	159

Reporting Date: January 11, 2023

Note: Applicants with the same counts of applications are regarded as the same ranking, whereas the order is based on the counts of invention patent applications filed.

16. Non-Resident Applicants Ranked by Counts of Grants in 2022 (Top 20)

Rank	Applicant	Number of Grants			
		Invention	Utility Model	Design	Total
1	QUALCOMM INCORPORATED	573	0	0	573
2	APPLIED MATERIALS, INC.	437	0	22	459
3	KIOXIA CORPORATION	368	0	1	369
4	SAMSUNG ELECTRONICS CO., LTD.	296	0	16	312
5	TOKYO ELECTRON LIMITED	272	0	12	284
6	SEMICONDUCTOR ENERGY LABORATORY CO., LTD.	259	0	0	259
7	NITTO DENKO CORPORATION	236	0	0	236
8	DISCO CORPORATION	221	0	0	221
9	ASML NETHERLANDS B.V.	217	0	0	217
10	SHIN-ETSU CHEMICAL CO., LTD.	160	9	3	172
11	HARRY WINSTON S.A.	0	0	171	171
12	SUMITOMO CHEMICAL CO., LTD.	163	0	0	163
12	SHIMANO INC.	148	0	15	163
14	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	155	0	1	156
15	INTEL CORPORATION	152	0	0	152
16	FORD GLOBAL TECHNOLOGIES, LLC	0	0	150	150
17	PSA AUTOMOBILES SA	0	0	141	141
18	MICRON TECHNOLOGY, INC.	140	0	0	140
19	GOOGLE LLC	83	0	52	135
20	SCREEN HOLDINGS CO., LTD.	133	0	0	133

Reporting Date: January 11, 2023

Note: Applicants with the same counts of grants are regarded as the same ranking, whereas the order is based on the counts of invention patents.

17. Counts of Patent Grants Ranked by Type of Industry in 2022

Type of Industry	Corresponding International Patent Classification	Residents		Non-Residents		Total	
		Invention	Utility Model	Invention	Utility Model	No. of Certificates Issued	Percentage
Agriculture, Forest, Fishery & Animal Husbandry	A01 (exclude A01H,A01K67,A01N,A01P)	128	398	96	7	629	1.22%
Foods & Tobacco	A21-A24	80	179	154	12	425	0.83%
Domestic Articles	A41-A47	311	1,412	316	70	2,109	4.10%
Pharmaceutical & Entertainment	A61-A63 (exclude A61K&A61P,A61Q)	945	1,222	476	65	2,708	5.27%
Biotech	A01H,A01K67,A01N,A61K35/66-35/76,38,39,47/42,48,49/14,49/16,51/08,51/10,A61P,C07K,C12,G01N33,A01P	276	64	629	3	972	1.89%
Preparation for Medical, Dental or Toilet Purposes	A61K (exclude 35/66-35/76,38,39,47/42,48,49/14,49/16,51/08,51/10), A61Q	260	108	428	0	796	1.55%
Separation & Mixing	B01-B09	277	378	419	52	1,126	2.19%
Working of Metal	B21-B32 (exclude B31)	803	801	1,222	54	2,880	5.60%
Printing	B41-B44	42	123	84	2	251	0.49%
Transporting	B60-B68	685	1,506	668	116	2,975	5.79%
Micro-structural Technology; Nano-technology	B81-B82	28	0	32	0	60	0.12%
Inorganic Chemistry, Treatment of Waste Water	C01-C05,C30	216	101	606	14	937	1.82%
Organic Chemistry	C07 (exclude C07K \ C07M)	81	3	879	0	963	1.87%
Organic Macromolecular Compound	C08	222	11	1,313	2	1,548	3.01%
Dyes, Petroleum, Animal or Vegetable Oils	C09-C11	121	31	1,050	4	1,206	2.35%
Sugar Industries & Pelts/Leather	C13-C14	0	0	1	0	1	0.00%
Metallurgy, Coating Metallic Material & Alloys	C21-C23,C25 (exclude C22K)	163	63	761	9	996	1.94%
Textiles & Flexible Materials	D01-D07	119	131	202	10	462	0.90%
Paper Making & Making Paper Articles	D21,B31	9	7	23	2	41	0.08%

Type of Industry	Corresponding International Patent Classification	Residents		Non-Residents		Total	
		Invention	Utility Model	Invention	Utility Model	No. of Certificates Issued	Percentage
Fixed Constructions	E01-E06	373	620	128	15	1,136	2.21%
Mining or Quarrying	E21	9	3	3	1	16	0.03%
Engines and Pumps	F01-F04	164	263	138	24	589	1.15%
Hydraulics or Pneumatics in General	F15-F17	221	505	273	26	1,025	1.99%
Lighting; Heating	F21-F28	303	545	199	39	1,086	2.11%
Weapons; Explosive Charges	F41-F42,C06	16	46	8	0	70	0.14%
Optics	G01-G03 (exclude G01N33)	1,509	620	2,062	83	4,274	8.32%
Measuring	G04-G08 (exclude G06F,G06Q)	773	344	577	20	1,714	3.34%
Semiconductor Applications	G09-G12	738	193	663	15	1,609	3.13%
Nuclear Engineering	G21	7	1	19	0	27	0.05%
Electric Power; Generation, Distribution or Conversion of Electric Power, Electric Heating	H02,H05	961	670	705	93	2,429	4.73%
Basic Electronic Elements	H01 (exclude H01L)	661	653	965	191	2,470	4.81%
Semiconductor Devices	H01L	2,135	291	2,977	55	5,458	10.62%
Basic Electronic Circuitry; Electric Communication Technique	H03,H04	1,139	232	1,758	57	3,186	6.20%
Electric Digital Data Processing	G06F (exclude 17/60)	1,465	424	1,105	47	3,041	5.92%
E-business	G06F17/60,G06Q	512	1,068	285	6	1,871	3.64%
Others		147	98	52	4	301	0.59%
<b>Total</b>		<b>15,899</b>	<b>13,114</b>	<b>21,276</b>	<b>1,098</b>	<b>51,387</b>	<b>100.00%</b>

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## 18. Statistics on Valid Patents

### Invention & Utility Model

Classification	Invention	Utility Model
A01	2,298	2,372
A21	138	253
A22	30	21
A23	1,604	702
A24	330	65
A41	339	1,023
A42	107	219
A43	600	778
A44	797	346
A45	430	1,407
A46	94	98
A47	2,900	5,480
A61	14,424	5,615
A62	354	754
A63	1,957	2,052
A99	0	1
B01	3,532	1,226
B02	106	111
B03	97	36
B04	45	21
B05	1,511	497
B06	29	12
B07	110	99
B08	637	230
B09	150	101
B21	980	379
B22	567	98
B23	3,748	1,908
B24	1,745	504
B25	3,050	1,612
B26	408	353
B27	140	139
B28	165	69
B29	2,971	761

Classification	Invention	Utility Model
B30	88	63
B31	68	58
B32	4,020	642
B33	26	7
B41	1,380	348
B42	78	186
B43	149	168
B44	117	148
B60	2,584	2,368
B61	192	47
B62	3,396	2,444
B63	237	185
B64	156	92
B65	4,640	4,121
B66	403	443
B67	120	126
B68	7	6
B81	451	10
B82	382	2
C01	2,278	81
C02	908	451
C03	2,260	101
C04	1,053	30
C05	103	40
C06	9	0
C07	9,860	9
C08	12,731	51
C09	9,276	91
C10	486	32
C11	563	48
C12	2,453	180
C13	9	0
C14	11	1
C21	441	51

Classification	Invention	Utility Model
C22	2,101	27
C23	5,275	166
C25	1,559	248
C30	918	29
C40	15	0
D01	624	97
D02	111	76
D03	236	148
D04	505	243
D05	449	181
D06	865	304
D07	15	13
D21	275	40
D99	1	0
E01	141	189
E02	255	214
E03	353	350
E04	1,135	1,691
E05	965	905
E06	625	932
E21	70	44
F01	310	171
F02	429	245
F03	412	291
F04	1,853	913
F15	174	64
F16	5,326	3,687
F17	168	96
F21	1,421	1,045
F22	47	20
F23	485	341

Classification	Invention	Utility Model
F24	1,441	1,488
F25	574	250
F26	139	106
F27	237	74
F28	854	367
F41	244	364
F42	25	24
G01	14,316	2,227
G02	15,257	1,946
G03	9,851	497
G04	199	91
G05	2,662	299
G06	34,209	8,927
G07	394	289
G08	1,121	686
G09	6,490	757
G10	1,393	306
G11	7,434	262
G12	34	9
G16	364	283
G21	267	7
G99	1	1
H01	70,299	8,306
H02	8,469	1,943
H03	5,472	144
H04	23,834	1,696
H05	10,059	2,878
H99	1	0
Total	350,086	88,969

Reporting Date: January 11, 2023

Note: Counts of valid patents are calculated based on existing patents as of December 31, 2022.

## Design

Classification	Design
01	202
02	1,694
03	1,073
04	279
05	308
06	1,867
07	2,070
08	2,642
09	3,309
10	1,790
11	1,620
12	6,685
13	3,983
14	6,340
15	3,067
16	1,527
17	64
18	144
19	630
20	218

Classification	Design
21	1,566
22	351
23	2,953
24	1,507
25	912
26	2,838
27	159
28	1,486
29	183
30	193
31	311
32	4
99	9
Total	51,984

Data Collection Date: January 11, 2023

Note: Counts of valid patents are calculated based on existing patents as of December 31, 2022.

## 19. Statistics on Pending Patent Applications for Examination (2013~2022)

Item Year	Application			Reexamination		Opposition			Invalidation			Technical Evaluation Report for Utility Model	Total
	Invention	Utility Model	Design	Invention	Design	Invention	Utility Model	Design	Invention	Utility Model	Design		
2013	129,318	6,599	6,681	7,345	40	-	-	-	292	844	49	1,740	152,908
2014	100,580	5,696	6,276	8,592	143	-	-	-	274	599	67	1,773	124,000
2015	72,892	4,641	4,854	8,711	179	-	-	-	257	511	87	1,584	93,716
2016	50,293	3,953	4,848	8,390	72	-	-	-	235	408	49	1,125	69,373
2017	44,002	4,859	5,056	6,256	55	-	-	-	202	271	23	620	61,344
2018	46,443	3,287	4,748	4,436	45	-	-	-	162	266	24	492	59,903
2019	48,316	3,728	5,556	4,857	140	-	-	-	152	225	50	384	63,408
2020	49,297	3,855	5,084	6,478	180	-	-	-	205	250	38	604	65,991
2021	50,285	3,626	4,365	7,337	89	-	-	-	228	251	46	451	66,678
2022	52,007	3,669	4,118	7,182	99	-	-	-	238	248	18	369	67,948

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Note: The above statistics exclude the number of applications not requesting substantial examination. (2013:9,959; 2014:10,734; 2015:9,684; 2016:10,142; 2017: 9,707; 2018: 7,716; 2019: 9,261; 2020: 8,007; 2021: 8,945; 2022: 8,871).

## D. Trend of Invention Requests for Examination

### Number and Percentage of Requests for Examination

Filing Year	Invention Applications (Total Applications In This Year)	In the First Year Since the Filing Date		In the Second Year Since the Filing Date		In the Third Year Since the Filing Date		After the Third Year Since the Filing Date		Sum of the Number/ Percentage of Applications Requested for Examination	
		Applications	Percentage	Applications	Percentage	Applications	Percentage	Applications	Percentage	Applications	Percentage
2013	49,217	28,464	57.83%	1,167	2.37%	12,223	24.83%	1,167	2.37%	43,015	87.40%
2014	46,379	26,513	57.17%	1,167	2.52%	12,021	25.92%	1,278	2.76%	40,965	88.32%
2015	44,415	24,799	55.83%	1,372	3.09%	12,153	27.36%	1,440	3.24%	39,754	89.51%
2016	43,835	23,321	53.20%	1,462	3.34%	12,788	29.17%	1,724	3.93%	39,283	89.62%
2017	46,122	24,967	54.13%	1,517	3.29%	13,173	28.56%	1,727	3.74%	41,364	89.68%
2018	47,429	27,177	57.30%	1,251	2.64%	12,994	27.40%	1,273	2.68%	42,686	90.00%
2019	48,268	27,736	57.46%	1,284	2.66%	13,335	27.63%	1,126	2.33%	43,481	90.08%
2020	46,665	27,067	58.00%	1,345	2.88%	2,544	5.45%	1,158	2.48%	32,114	68.82%
2021	49,116	27,839	56.68%	1,021	2.08%	247	0.50%	1,219	2.48%	30,326	61.74%
2022	50,242	27,576	54.89%	527	1.05%	256	0.51%	1,382	2.75%	29,741	59.20%

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Note: 1. The number of requests for examination (including new applications, divisional applications, and conversion applications) refers to the number of requests for examination according to Paragraphs 1 and 2 of Article 38 of the Patent Act.

2. Except for divisional applications and conversion applications conforming to Article 34 or 108 of the Patent Act, invention applications failing to request an examination within three years from the filing date are deemed to have been withdrawn.

3. The percentage of requests for examination refers to the percentage of total number of requests for examination each year within three years from the filing dates, applications divided or converted within 30 days from the filing date according to Articles 34 and 108 of the Patent Act, and to the total number of new applications for invention.

4. The total number of invention applications in each year, in addition to the new applications filed in the year, includes the number of applications divided or converted in the year but originally filed before the year.

## E. Statistics on IC Layout Applications and Certificates Issued

Year	Application	Certificate Issued
2013	146	83
2014	87	195
2015	113	120
2016	114	133
2017	58	68
2018	95	96
2019	118	86
2020	75	101
2021	69	51
2022	86	112

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## II. Trademark Cases Filed & Disposed

### A. General Statistics on Trademark Cases (2013-2022)

Year	Item	Application	Registration		Rejection	
	Cases	Cases	Percentage	Cases	Percentage	
2013	74,031	60,557	81.80%	8,581	11.59%	
2014	75,933	66,257	87.26%	7,641	10.06%	
2015	78,523	62,993	80.22%	7,692	9.80%	
2016	79,300	68,177	85.97%	8,956	11.29%	
2017	83,802	74,226	88.57%	8,903	10.62%	
2018	84,816	71,809	84.66%	8,464	9.98%	
2019	86,794	70,785	81.56%	8,187	9.43%	
2020	94,089	78,849	83.80%	9,013	9.58%	
2021	95,917	81,460	84.93%	8,482	8.84%	
2022	94,778	79,400	83.77%	7,769	8.20%	

Note: 1. Counts of "Application" are calculated based on the total number of trademark applications collected each year.

2. Counts of "Registration" and "Rejection" are calculated based on the total number of cases published each year.

## B. Statistics on Trademark from 2013 to 2022

### 1. Trademark Applications

Year \ Item	Application		Opposition	Invalidation	Revocation
	By case	By class			
2013	74,031	94,958	955	225	513
2014	75,933	97,776	868	213	627
2015	78,523	101,327	780	210	669
2016	79,300	101,331	822	187	515
2017	83,802	108,758	913	248	640
2018	84,816	110,074	872	199	543
2019	86,794	111,681	664	192	642
2020	94,089	119,660	784	162	832
2021	95,917	123,217	696	152	731
2022	94,778	122,320	633	141	779

Year \ Item	Renewal	License	Assignment	Alteration
2013	42,536	1,046	9,299	8,358
2014	39,624	859	7,327	8,744
2015	41,471	930	8,998	12,323
2016	43,030	763	9,469	8,552
2017	42,474	696	9,147	9,153
2018	44,444	928	8,907	9,486
2019	45,524	1,202	10,596	9,291
2020	48,129	782	9,885	10,289
2021	52,045	581	10,946	10,176
2022	53,843	693	10,366	13,021

Note: 1. The counts above are the total number of applications.

2. The term "Application" includes applications for certification mark, collective membership mark and collective trademark.

3. The term "License" includes applications for sub-license.

4. The term "Alteration" includes applications for "goods/service reduction".

5. Beginning from November 28, 2003, applications for trademark may contain two or more types of goods or services. Therefore, the counts by class have added to the column since 2004.

## 2. Trademark Opposition

Year \ Item	Sustained		Denied		Partially Sustained		Others	
	Cases	Percentage	Cases	Percentage	Cases	Percentage	Cases	Percentage
2013	421	39.31%	377	35.20%	68	6.35%	205	19.14%
2014	427	47.03%	265	29.19%	49	5.40%	167	18.39%
2015	470	51.76%	177	19.49%	110	12.11%	151	16.63%
2016	426	48.08%	232	26.19%	80	9.03%	148	16.70%
2017	386	48.49%	183	22.99%	64	8.04%	163	20.48%
2018	461	49.25%	272	29.06%	74	7.91%	129	13.78%
2019	439	48.94%	224	24.97%	89	9.92%	145	16.16%
2020	307	48.81%	111	17.65%	77	12.24%	134	21.30%
2021	261	40.65%	154	23.99%	72	11.21%	155	24.14%
2022	284	18.72%	195	44.52%	52	11.87%	109	24.89%

Note: 1. The table shows the counts of cases disposed each year.

2. The item "Others" includes rejection because of formal deficiency, withdrawal, and other types of rejection.

3. "Sustained" means all designated goods and services are sustained; "Denied" refers to all designated goods and services are denied; "Partially Sustained" means parts of the designated goods and services are sustained.

4. Percentage is derived from using the number of overall disposals as the denominator, "Sustained", "Denied", "Partially Sustained" and "Others" as the numerators.

## 3. Trademark Invalidation

Year \ Item	Sustained		Denied		Partially Sustained		Others	
	Cases	Percentage	Cases	Percentage	Cases	Percentage	Cases	Percentage
2013	116	34.63%	130	38.81%	38	11.34%	51	15.22%
2014	108	38.03%	75	26.41%	33	11.62%	68	23.94%
2015	122	47.66%	60	23.44%	29	11.33%	45	17.58%
2016	116	53.46%	41	18.89%	16	7.37%	44	20.28%
2017	106	48.62%	32	14.68%	31	14.22%	49	22.48%
2018	139	57.92%	34	14.17%	24	10.00%	43	17.92%
2019	110	52.13%	43	20.38%	22	10.43%	36	17.06%
2020	67	39.41%	39	22.94%	26	15.29%	38	22.35%
2021	61	40.40%	40	26.49%	14	9.27%	36	23.84%
2022	66	46.48%	41	28.87%	10	7.04%	25	17.61%

Note: 1. The table shows the counts of cases disposed each year.

2. The item "Others" includes rejection because of formal deficiency, withdrawal, and other types of rejection.

3. "Sustained" means all designated goods and services are sustained; "Denied" refers to all designated goods and services are denied; "Partially Sustained" means parts of the designated goods and services are sustained.

4. Percentage is derived from using the number of overall disposals as the denominator, "Sustained", "Denied", "Partially Sustained" and "Others" as the numerators.

#### 4. Trademark Revocation (Cancellation)

Year	Sustained		Denied		Partially Sustained		Others	
	Cases	Percentage	Cases	Percentage	Cases	Percentage	Cases	Percentage
2013	331	63.78%	52	10.02%	77	14.84%	59	11.37%
2014	405	71.43%	47	8.29%	74	13.05%	41	7.23%
2015	487	71.72%	35	5.15%	86	12.67%	71	10.46%
2016	379	61.23%	47	7.59%	129	20.84%	64	10.34%
2017	345	60.74%	28	4.93%	136	23.94%	59	10.39%
2018	372	62.84%	34	5.74%	142	23.99%	44	7.43%
2019	371	62.35%	32	5.38%	89	14.96%	103	17.31%
2020	486	64.97%	16	2.14%	154	20.59%	92	12.30%
2021	454	62.19%	27	3.70%	170	23.29%	79	10.82%
2022	454	57.76%	19	2.42%	144	18.32%	169	21.50%

Note: 1. The table shows the counts of cases disposed each year.

- The item "Others" includes rejection because of formal deficiency, withdrawal, and other types of rejection.
- Beginning from November 28, 2003, "disciplinary cancellation" has been changed to "revocation".
- "Sustained" means all designated goods and services are sustained; "Denied" refers to all designated goods and services are denied; "Partially Sustained" means parts of the designated goods and services are sustained.
- Percentage is derived from using the number of overall disposals as the denominator, "Sustained", "Denied", "Partially Sustained" and "Others" as the numerators.

#### 5. Trademark Administrative Appeals

Year	Cases Filed	Administrative Appeals				
		Decisions on Administrative Appeals				
		Original Decisions Revoked	Administrative Appeals Rejected	Others	Other Concluded Cases	Rate of Revocation
2013	811	59	653	14	10	9.92%
2014	787	84	652	15	10	13.01%
2015	722	29	709	4	5	4.42%
2016	688	15	680	4	11	2.68%
2017	684	26	689	7	11	4.50%
2018	683	11	624	3	4	2.18%
2019	636	16	636	8	3	3.62%
2020	535	14	578	7	3	3.49%
2021	477	7	433	3	8	2.22%
2022	393	13	389	0	7	3.18%

Note: 1. The counts above are based on the numbers published by the Petitions and Appeals Committee, MOEA.

- The "Administrative Appeals Rejected" column includes cases inadmissible and rejected. The "Other Concluded Cases" column includes withdrawals by appellants, jurisdictional transfers, and consolidated reviews.
- The "Others" column refers to administrative appeals that are partially rejected and partially revoked.

## 6. Trademark Administrative Litigation Processed by the Intellectual Property and Commercial Court

Year	Cases Received	Cases Concluded							
		Withdrawn	Plaintiff Won	Plaintiff Lost	Partially Sustained	Dismissals	Settlements	Others	Total
2013	157	6	21	118	11	6	3	0	165
2014	162	9	19	120	9	3	1	0	161
2015	159	17	20	96	8	4	3	0	148
2016	158	9	14	119	3	6	2	0	153
2017	176	12	16	105	3	5	7	0	148
2018	117	17	19	117	5	6	1	0	165
2019	152	10	29	96	5	5	3	0	148
2020	130	10	12	104	4	6	4	0	140
2021	101	9	5	79	4	0	2	1	100
2022	95	4	15	75	1	1	4	0	100

Note: 1. The above statistics are provided by the Intellectual Property and Commercial Court. "Plaintiff Won" and "Partially Sustained" include appeals filed against the Ministry of Economic Affairs whose appeals decisions are revoked.

2. "Settlements" means cases concluded by the IP court after the litigants' mutual concession to the disputes and the reaching of an agreement.

## 7. Resident and Non-Resident Trademark Applications (By Case)

Year	Item	Residents	Non-Residents
2013		55,338	18,693
2014		56,217	19,716
2015		57,356	21,167
2016		57,548	21,752
2017		61,215	22,587
2018		59,840	24,976
2019		61,928	24,866
2020		72,170	21,919
2021		73,374	22,543
2022		74,326	20,452

Note: TIPO began accepting applications for joint ownership of trademark on July 13, 2006. The numbers in this table are counted based on applicants' nationalities.

8. Resident and Non-Resident Trademark Registrations (By Case)

Year	Item	Residents	Non-Residents
2013		44,174	16,383
2014		48,728	17,529
2015		45,233	17,760
2016		48,828	19,349
2017		53,202	21,024
2018		50,463	21,346
2019		48,921	21,864
2020		56,736	22,113
2021		62,071	19,389
2022		60,312	19,088

## C. Statistics on Trademarks by Class and Nationality

## 1. Statistics on Trademark Applications and Registrations by Class Covering the Last Three Years

Class	Application			Registration		
	2020	2021	2022	2020	2021	2022
Total	119,567	123,128	122,236	100,371	102,362	102,110
1	1,436	1,458	1,414	1,258	1,258	1,225
2	297	248	316	332	299	237
3	7,212	6,744	6,169	5,656	5,912	5,121
4	528	526	532	415	479	455
5	8,550	8,389	7,399	6,902	7,146	6,658
6	868	776	866	841	703	760
7	2,061	1,944	1,956	1,989	1,718	1,690
8	639	726	660	620	578	608
9	8,631	8,635	8,763	7,350	7,098	7,344
10	2,584	2,507	2,230	1,840	2,275	2,173
11	1,947	1,931	1,838	1,716	1,617	1,592
12	1,555	1,519	1,663	1,291	1,211	1,272
13	44	64	62	46	54	52
14	1,242	1,428	1,349	1,077	1,064	1,188
15	143	158	148	122	115	156
16	3,132	3,068	3,095	2,568	2,605	2,560
17	620	567	594	555	515	545
18	2,172	2,161	1,975	1,898	1,932	1,856
19	403	398	442	396	368	362
20	1,590	1,606	1,559	1,415	1,412	1,392
21	2,435	2,356	2,299	1,989	2,032	2,002
22	223	214	226	190	205	218
23	83	83	112	86	71	91
24	1,231	1,207	1,139	963	1,059	1,041
25	4,493	4,533	4,315	3,838	3,919	3,708
26	389	387	360	329	333	358
27	271	298	279	199	263	257
28	2,245	2,351	2,343	1,865	2,050	1,926
29	4,794	5,035	4,657	3,800	4,146	4,157
30	8,359	8,412	8,129	6,752	7,035	6,681

Class	Application			Registration		
	2020	2021	2022	2020	2021	2022
31	1,799	1,923	2,002	1,446	1,626	1,543
32	2,120	2,146	1,929	1,809	1,800	1,679
33	923	1,246	1,247	903	868	1,063
34	272	344	273	323	276	265
35	15,664	17,653	17,629	13,111	14,141	14,713
36	1,865	2,054	2,284	1,703	1,629	1,782
37	1,771	1,861	2,246	1,604	1,479	1,742
38	1,220	1,361	1,329	1,158	1,052	1,175
39	1,093	1,164	1,253	1,015	927	1,009
40	726	906	941	621	672	814
41	6,314	6,512	7,014	5,402	5,362	5,509
42	4,217	4,816	5,331	3,606	3,576	4,233
43	7,826	7,419	7,524	6,393	6,265	5,579
44	2,447	2,605	2,887	1,945	2,159	2,168
45	1,133	1,389	1,458	1,034	1,058	1,151

Note: Counts above do not include applications and registrations of collective marks and certification marks.

## 2. Statistics on Trademark Applications by Nationality in 2022 (By Case)

Nationality	Application	Percentage	Nationality	Application	Percentage
TAIWAN, REPUBLIC OF CHINA	74,326	78.42%	SEYCHELLES	34	0.04%
MAINLAND CHINA	4,324	4.56%	LUXEMBOURG	33	0.03%
UNITED STATES OF AMERICA	3,572	3.77%	ISRAEL	32	0.03%
JAPAN	3,546	3.74%	ANGUILLA	29	0.03%
REPUBLIC OF KOREA	1,573	1.66%	CHILE	24	0.03%
HONG KONG	1,120	1.18%	MOROCCO	22	0.02%
SINGAPORE	843	0.89%	POLAND	22	0.02%
GERMANY	675	0.71%	MACAO	19	0.02%
UNITED KINGDOM	585	0.62%	BRAZIL	18	0.02%
SWITZERLAND	553	0.58%	PHILIPPINES	18	0.02%
FRANCE	543	0.57%	BERMUDA	17	0.02%
ITALY	313	0.33%	CYPRUS	15	0.02%
CAYMAN ISLANDS	234	0.25%	MEXICO	15	0.02%
AUSTRALIA	227	0.24%	CZECH REPUBLIC	14	0.01%
BRITISH VIRGIN ISLANDS	210	0.22%	TURKEY	13	0.01%
NETHERLANDS	195	0.21%	BULGARIA	12	0.01%
CANADA	193	0.20%	RUSSIAN FEDERATION	12	0.01%
MALAYSIA	146	0.15%	LIECHTENSTEIN	11	0.01%
SWEDEN	133	0.14%	MAURITIUS	11	0.01%
SPAIN	121	0.13%	SOUTH AFRICA	10	0.01%
DENMARK	95	0.10%	SAUDI ARABIA	9	0.01%
INDIA	79	0.08%	ARGENTINA	8	0.01%
IRELAND	77	0.08%	LITHUANIA	8	0.01%
UNITED ARAB EMIRATES	75	0.08%	ANDORRA	7	0.01%
NEW ZEALAND	73	0.08%	EGYPT	7	0.01%
VIETNAM	71	0.07%	MONACO	7	0.01%
AUSTRIA	61	0.06%	BARBADOS	6	0.01%
SAMOA	60	0.06%	MALTA	6	0.01%
BELGIUM	58	0.06%	BAHAMAS	5	0.01%
THAILAND	58	0.06%	ICELAND	5	0.01%
FINLAND	43	0.05%	MARSHALL ISLANDS	5	0.01%
NORWAY	40	0.04%	PANAMA	5	0.01%
INDONESIA	34	0.04%	OTHERS	63	0.06%

	Subtotal	Ratio
Residents	74,326	78.42%
Non-Residents	20,452	21.58%
Total	94,778	100.00%

Note: 1. Accepting applications for joint ownerships of trademarks began on July 13, 2006. The table above shows the counts of applicants by nationality.

2. Countries with fewer than five applications are listed as "Others."

### 3. Statistics on Trademark Registrations by Nationality in 2022 (By Case)

Nationality	Registration	Percentage	Nationality	Registration	Percentage
TAIWAN, REPUBLIC OF CHINA	60,312	75.96%	LUXEMBOURG	43	0.05%
MAINLAND CHINA	4,318	5.44%	ISREAL	42	0.05%
UNITED STATES OF AMERICA	3,521	4.43%	INDONESIA	34	0.04%
JAPAN	2,967	3.74%	FINLAND	29	0.04%
REPUBLIC OF KOREA	1,281	1.61%	BULGARIA	23	0.03%
HONG KONG	1,224	1.54%	CZECH REPUBLIC	19	0.02%
GERMANY	686	0.86%	NORWAY	18	0.02%
SINGAPORE	567	0.71%	BELIZE	17	0.02%
SWITZERLAND	557	0.70%	MAURITIUS	17	0.02%
UNITED KINGDOM	519	0.65%	MEXICO	17	0.02%
FRANCE	518	0.65%	PHILIPPINES	17	0.02%
ITALY	334	0.42%	BERMUDA	16	0.02%
AUSTRALIA	232	0.29%	POLAND	16	0.02%
CANADA	229	0.29%	PORTUGAL	16	0.02%
CAYMAN ISLANDS	211	0.27%	RUSSIAN FEDERATION	14	0.02%
BRITISH VIRGIN ISLANDS	191	0.24%	MACAO	13	0.02%
NETHERLANDS	169	0.21%	ARGENTINA	11	0.01%
MALAYSIA	139	0.18%	TURKEY	10	0.01%
SPAIN	118	0.15%	SOUTH AFRICA	10	0.01%
SWEDEN	91	0.11%	ROMANIA	9	0.01%
DENMARK	85	0.11%	CHILE	8	0.01%
NEW ZEALAND	75	0.09%	LIECHTENSTEIN	7	0.01%
INDIA	71	0.09%	LITHUANIA	7	0.01%
IRELAND	69	0.09%	BRAZIL	6	0.01%
SEYCHELLES	63	0.08%	ESTONIA	6	0.01%
VIETNAM	61	0.08%	EGYPT	6	0.01%
SAMOA	60	0.08%	IRAN	6	0.01%
THAILAND	56	0.07%	JORDAN	6	0.01%
AUSTRIA	54	0.07%	MOROCCO	6	0.01%
UNITED ARAB EMIRATES	47	0.06%	GREECE	5	0.01%
BELGIUM	43	0.05%	OTHERS	78	0.11%

	Subtotal	Ratio
Residents	60,312	75.96%
Non-Residents	19,088	24.04%
Total	79,400	100.00%

Note: Countries with fewer than five registrations are listed as "Others".

D. Statistics on Certification Mark and Collective Membership Mark Covering the Last Ten Years

Year	Item	Certification Mark		Collective Membership Mark	
		Application	Registration	Application	Registration
2013		41	30	64	54
2014		31	37	72	48
2015		43	31	58	56
2016		27	26	47	52
2017		41	30	61	36
2018		46	29	49	39
2019		40	44	53	37
2020		47	34	46	39
2021		41	29	48	48
2022		36	28	48	32

### III. Top 20 Online Filing and Online Delivery Patent and Trademark Attorneys

#### 1. Top 20 Online Filing Attorney Offices in 2022

Patent			Trademark		
Ranking	Attorney Offices	Rate of Online Filing	Ranking	Attorney Offices	Rate of Online Filing
1	Lee and Li, Attorneys-at-Law	14.46%	1	Saint Island International Patent & Law Offices	8.11%
2	Jianq Chyun Intellectual Property Office	8.23%	2	Tai E International Patent & Law Office	6.29%
3	Taiwan International Patent & Law Office	8.19%	3	Gold Keen Intellectual Property Office	5.03%
4	TSAI, LEE & CHEN Patent Attorneys & Attorneys at Law	7.65%	4	Lee and Li, Attorneys-at-Law	2.91%
5	Saint Island International Patent & Law Offices	6.64%	5	Oger International Patent & Trademark Office	2.60%
6	Tai E International Patent & Law Office	6.24%	6	Show Brand Intellectual Property Office	2.02%
7	Top Team International Patent & Trademark Office	4.08%	7	Asia Lih Intellectual Property Office	1.92%
8	Li & Cai Intellectual Property Office	2.28%	8	Taiwan International Patent & Law Office	1.48%
9	North America Union Patent & Trademark Office	1.45%	9	Giant Group International Patent, Trademark & Law Office	1.42%
10	JOU & JOU Patent Offices	1.29%	10	TSAI, LEE & CHEN Patent Attorneys & Attorneys at Law	1.27%
11	Taiwan Advance Patent & Trademark Office	1.16%	11	Winkler Partners Attorneys at Law of Taiwan and Foreign Legal Affairs	1.10%
12	Wideband IP Office	1.10%	12	World Patent & Trademark Law Office	1.03%
13	ScienBiziP Law Offices of International Commerce	1.00%	13	AIPT International Trademark Office	1.02%
14	HUA DING PATENT & LAW OFFICE	0.99%	14	Long River International Patent, Trademark & Law Office	1.00%
15	Long River International Patent, Trademark & Law Office	0.96%	15	Wanlin International Trademark Office	0.93%
16	Union Patent Service Center	0.88%	16	Nan E International Intellectual Property Office	0.90%
17	One Team Patent Office	0.86%	17	Titan International Patent & Trademark Office	0.89%
17	Giant Group International Patent, Trademark & Law Office	0.86%	18	YONG HSIN International Patent & Trademark Office	0.83%
19	Formosan Brothers Attorneys-at-Law	0.80%	19	Li Chen International Patent & Trademark Office	0.80%
20	Louis International Patent Office	0.74%	20	Kingcraft International Patent & Trademark Office	0.79%

Note: The percentage is derived from using the number of applications filed electronically by agents (actual electronic signers) corresponding to the firms to which the agents belong as the numerators, and that of electronic applications by all agents as the denominators. The information of firms and agents is based on that published on TIPO's website.

## 2. Top 20 Online Delivery Attorney Offices in 2022

Patent			Trademark		
Ranking	Attorney Offices	Rate of Online Delivery	Ranking	Attorney Offices	Rate of Online Delivery
1	Lee and Li, Attorneys-at-Law	13.94%	1	Saint Island International Patent & Law Offices	8.66%
2	Jianq Chyun Intellectual Property Office	8.05%	2	Tai E International Patent & Law Office	7.46%
3	Taiwan International Patent & Law Office	7.64%	3	Lee and Li, Attorneys-at-Law	6.60%
4	TSAI, LEE & CHEN Patent Attorneys & Attorneys at Law	6.94%	4	Taiwan International Patent & Law Office	2.90%
5	Saint Island International Patent & Law Offices	6.12%	5	Winkler Partners Attorneys at Law of Taiwan and Foreign Legal Affairs	1.81%
6	Tai E International Patent & Law Office	4.68%	6	Oger International Patent & Trademark Office	1.76%
7	Top Team International Patent & Trademark Office	3.54%	7	Baker & Mckenzie	1.70%
8	Li & Cai Intellectual Property Office	2.38%	8	Union Patent Service Center	1.61%
9	Louis International Patent Office	2.30%	9	TSAI, LEE & CHEN Patent Attorneys & Attorneys at Law	1.59%
10	JOU & JOU Patent Offices	1.64%	10	Asia Lih Intellectual Property Office	1.40%
11	WENPING & CO. International Patent & Trademark Office	1.47%	11	Taiwan Advance Patent & Trademark Office	1.26%
12	North America Union Patent & Trademark Office	1.39%	12	Tsar & Tsai Law Firm	1.22%
13	Taiwan Advance Patent & Trademark Office	1.09%	13	Giant Group International Patent, Trademark & Law Office	1.12%
14	Union Patent Service Center	1.08%	14	Long River International Patent, Trademark & Law Office	1.06%
15	AIPT Patent Office	1.05%	15	WENPING & CO. International Patent & Trademark Office	1.05%
16	Wideband IP Office	0.93%	16	Nan E International Intellectual Property Office	1.01%
17	Long River International Patent, Trademark & Law Office	0.91%	17	Jaw-Hwa International Patent & Trademark & Law Offices	0.99%
18	Giant Group International Patent, Trademark & Law Office	0.86%	18	Titan International Patent & Trademark Office	0.92%
19	HUA DING PATENT & LAW OFFICE	0.84%	19	Wanlin International Trademark Office	0.91%
20	Tsar & Tsai Law Firm	0.83%	20	AIPT International Trademark Office	0.86%