

02 Annual Statistics

I. Patent Applications Filed & Disposed

A. General Statistics of Patent Cases (2009-2018)

Year \ Item	Application	Approval	Certificate Issued	Grant
2009	78,352	0	43,749	43,728
2010	80,380	0	45,973	46,023
2011	82,824	0	50,313	50,305
2012	85,074	0	56,611	56,608
2013	83,211	0	72,147	72,142
2014	78,015	0	76,258	76,252
2015	73,627	0	78,089	78,087
2016	72,442	0	76,406	76,406
2017	73,791	0	71,878	71,877
2018	73,421	0	62,193	62,193

Note: "Application" is the number of applications for each individual year. "Approval" is the number of published approvals. This system was replaced by the patent granted system on July 1, 2004, which issues a certificate at the same time the approval is published. "Certificate Issued" is the number of certificates actually being issued.

B. Statistics on Patent from 2009 to 2018

1. Patent Cases Filed & Disposed

Year \ Item	Application	Reexamination	Invalidation	Assignment	Licensing
2009	78,352	2,308	978	4,316	140
2010	80,380	2,869	950	3,824	164
2011	82,824	3,439	792	4,368	116
2012	85,074	4,541	828	4,924	647
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

Note: 1. The figures for "Application," "Reexamination," and "Invalidation" are the total number of cases applied each year.

2. The figures for "Assignment" and "Licensing" are the total number of cases concluded each year.

3. The examination of utility model patents was changed to formality examination starting July 1, 2004. Therefore, no more reexamination requests were filed since then.

2. Invention Patent Applications Filed & Disposed

Item Year	Application	Pre-grant Publication	Request for Examination	Reexamination	Rejection	Grant	Invalidation
2009	46,582	52,605	40,826	2,122	8,902	14,138	233
2010	47,327	44,949	40,972	2,761	10,768	16,377	166
2011	49,919	46,154	43,411	3,311	14,875	20,025	122
2012	51,189	51,590	44,465	4,466	20,871	25,535	154
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

Note: 1. Rejection decisions are rendered after examination and reexamination. "Grants" refer to approved cases that are published and issued certificates at the same time.

2. Pre-grant publication is early publication for new applications.

3. Requests for substantive examination are made every year.

3. Utility Model Patent Applications Filed & Disposed

Item Year	Application	Rejection	Grant	Requests for Technical Evaluation Report	Issuance of Technical Evaluation Report	Invalidation
2009	25,032	216	23,595	2,603	1,448	703
2010	25,833	239	23,956	2,560	2,486	738
2011	25,170	313	24,038	2,301	2,821	622
2012	25,637	318	24,642	2,363	2,572	621
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

Note: 1. Rejection decisions are rendered after examination and reexamination. "Grants" refer to approved cases that are published and issued certificates at the same time.

2. "Requests for Technical Evaluation Report" are requests for technical evaluation. "Issuance of Technical Evaluation Report" is the number of requests received and technical evaluation reports issued.

4. Design Patent Applications Filed & Disposed

Year \ Item	Application	Reexamination	Rejection	Grant	Invalidation
2009	6,738	186	1,094	5,995	42
2010	7,220	108	841	5,690	46
2011	7,735	127	706	6,242	48
2012	8,248	75	630	6,431	53
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

Note: Rejection decisions are rendered after examination and reexamination. "Grants" refer to approved cases that are published and issued certificates at the same time.

5. Patent Opposition and Invalidation

Year \ Item	Opposition		Invalidation		
	Sustained	Denied	Sustained	Partially Sustained	Denied
2009	4	4	694	0	553
2010	3	3	503	0	413
2011	2	5	469	0	442
2012	3	2	462	0	421
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

Note: 1. The figures are dispositions for patent objections, confirmed invalidations, acquitted invalidations, and partially sustained invalidations of the same year.

2. There are also withdrawals, rejections, and not accepted cases in addition to sustained, acquitted, and partially sustained invalidations.

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.

6. Patent Administrative Appeals, 2009-2018

Year \ Item	Administrative Appeals					
	Cases Filed	Decisions of Administrative Appeals				
		Original Decisions Revoked	Others	Administrative Appeals Rejected	Other Disposals	Rate of Revocation
2009	508	46	0	410	16	9.8%
2010	421	39	0	465	15	7.5%
2011	378	28	0	342	8	7.4%
2012	386	29	0	341	8	7.7%
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%

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

2. Rejections refer to not accepted and rejection of 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 Court

Year \ Item	Cases Received	Cases Concluded							
		Withdrawn	Plaintiff Won	Plaintiff Lost	Partially Sustained	Dismissals	Settlements	Others	Total
2009	143	4	20	90	11	10	0	0	135
2010	183	5	42	109	12	5	0	0	173
2011	135	5	31	102	20	3	0	0	161
2012	126	5	14	73	7	5	0	1	105
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

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

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

8. Residents and Non-Residents Patent Applications

Item Year	Residents				Non-Residents			
	Invention	Utility Model	Design	Total	Invention	Utility Model	Design	Total
2009	22,594	24,204	4,239	51,037	23,988	828	2,499	27,315
2010	22,790	24,813	4,268	51,871	24,537	1,020	2,952	28,509
2011	23,432	24,037	4,592	52,061	26,487	1,133	3,143	30,763
2012	22,949	24,378	4,955	52,282	28,240	1,259	3,293	32,792
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

APPENDIX

9. Residents and Non-Residents Patent Grants

Item Year	Residents				Non-Residents			
	Invention	Utility Model	Design	Total	Invention	Utility Model	Design	Total
2009	7,392	22,712	3,179	33,283	6,746	883	2,816	10,445
2010	8,367	23,107	3,451	34,925	8,010	849	2,239	11,098
2011	10,035	23,024	3,708	36,767	9,990	1,014	2,534	13,538
2012	12,140	23,482	3,929	39,551	13,395	1,160	2,502	17,057
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

Note: The patent granted system issues the certificate at the same time the approval is published. This system took effect on July 1, 2004.

C. Statistics on Patent by Classification

1. Invention Applications and Grants by Classification in Past 3 Years

Classification	Application			Grant		
	2015	2016	2017	2016	2017	2018
A01	353	347	373	281	364	277
A21	21	22	30	18	24	11
A22	0	2	4	7	2	1
A23	243	273	263	181	217	165
A24	93	77	116	31	64	79
A41	70	61	62	28	42	40
A42	11	18	18	8	11	13
A43	111	129	135	64	109	141
A44	96	98	127	155	103	118
A45	88	98	104	69	91	79
A46	28	30	28	46	14	9
A47	429	520	616	463	420	419
A61	2,280	2,390	2,540	2,031	2,237	1,639
A62	52	47	73	59	49	37
A63	323	331	304	284	340	254
A99	1	1	1	0	0	0
B01	478	452	457	472	441	454
B02	21	18	13	21	22	9
B03	11	10	12	11	8	7
B04	7	4	3	16	6	3
B05	208	185	206	240	270	151
B06	7	6	2	5	3	4
B07	14	15	11	9	26	12
B08	78	81	105	76	70	47
B09	14	21	18	25	23	13
B21	132	148	125	161	203	148
B22	87	94	67	82	103	66
B23	472	500	490	492	585	488
B24	247	205	228	191	291	204
B25	383	414	392	371	443	352
B26	53	56	55	59	64	41
B27	11	17	25	18	21	17

Classification	Application			Grant		
	2015	2016	2017	2016	2017	2018
B28	36	41	31	20	39	39
B29	506	439	472	357	487	479
B30	15	19	10	11	30	11
B31	10	5	8	8	6	7
B32	721	675	680	572	564	534
B33	10	3	4	2	1	7
B41	226	174	169	210	200	188
B42	18	9	12	16	13	8
B43	20	21	32	14	27	20
B44	23	17	25	31	24	13
B60	360	341	413	399	410	346
B61	24	30	25	42	24	27
B62	454	455	477	486	498	415
B63	43	39	40	31	47	32
B64	25	28	41	16	21	45
B65	619	622	682	703	693	568
B66	74	70	50	48	74	70
B67	19	18	16	13	25	20
B68	3	0	1	1	4	1
B81	45	90	71	45	61	57
B82	52	34	47	71	45	45
C01	309	309	322	348	282	292
C02	129	153	161	173	131	112
C03	418	381	362	310	363	314
C04	127	135	141	141	151	86
C05	20	18	17	8	10	15
C06	1	1	1	1	0	0
C07	1,804	1,809	1,735	1,316	1,341	1,266
C08	1,788	1,849	1,945	1,603	1,575	1,344
C09	1,477	1,412	1,385	1,182	1,180	1,074
C10	79	55	57	86	71	53
C11	54	73	89	65	68	49
C12	319	386	438	297	288	272

Classification	Application			Grant		
	2015	2016	2017	2016	2017	2018
C13	1	1	5	0	0	2
C14	1	3	1	7	3	1
C21	44	58	52	57	76	51
C22	281	350	293	343	276	259
C23	678	666	671	747	676	551
C25	179	166	192	214	198	131
C30	93	107	98	127	98	90
C40	1	2	4	2	1	2
D01	68	70	72	85	90	75
D02	25	14	31	9	20	11
D03	33	42	33	23	31	36
D04	63	71	71	56	76	58
D05	63	48	47	57	71	48
D06	87	121	136	97	76	106
D07	4	0	2	0	0	1
D21	31	30	29	33	29	29
D99	0	0	0	1	0	0
E01	20	21	29	23	33	25
E02	36	40	42	53	67	41
E03	62	60	83	48	69	52
E04	144	167	188	145	207	119
E05	134	121	178	165	112	127
E06	83	95	116	104	84	94
E21	5	3	11	11	12	5
F01	64	49	62	33	66	57
F02	91	50	63	65	99	64
F03	126	130	115	88	87	64
F04	181	234	234	258	203	233
F15	21	22	32	13	26	28
F16	626	663	670	770	671	554
F17	18	21	21	23	27	27
F21	276	209	180	388	366	201
F22	8	8	3	14	11	5

Classification	Application			Grant		
	2015	2016	2017	2016	2017	2018
F23	56	43	61	69	55	61
F24	160	223	260	205	233	221
F25	73	84	92	93	101	84
F26	21	14	29	26	16	26
F27	36	26	24	57	39	45
F28	124	78	106	114	156	107
F41	28	44	25	39	42	26
F42	2	5	2	3	4	6
G01	1,714	1,742	1,782	1,419	1,737	1,606
G02	1,602	1,461	1,492	1,926	1,851	1,406
G03	1,021	1,023	1,091	1,051	1,253	963
G04	50	43	27	33	42	29
G05	283	317	343	301	309	210
G06	4,882	4,177	4,868	5,485	4,370	3,389
G07	67	81	66	37	66	62
G08	213	178	218	156	166	165
G09	523	476	475	855	704	445
G10	152	142	161	176	238	113
G11	633	527	679	932	770	618
G12	4	2	6	2	4	6
G16	9	4	14	0	0	3
G21	26	30	24	33	28	29
G99	1	1	0	0	1	0
H01	7,166	7,465	7,567	9,868	8,591	6,467
H02	1,050	982	983	1,354	1,014	770
H03	438	382	535	785	552	393
H04	2,612	2,671	2,935	3,907	2,739	1,721
H05	995	903	795	1,362	1,349	922
H99	0	0	0	0	0	0
X	686	692	736	0	0	0

Note: In consideration of the time period differentiated between application collection and classification, patent application figures may not be available by the publication deadline for the annual report. Therefore, figures from the past three years are used as the basis of the said statistics.

2. Utility Model Applications and Grants by Classification in Past 3 Years

Classification	Application			Grant		
	2015	2016	2017	2016	2017	2018
A01	700	669	728	621	729	609
A21	65	71	64	60	72	64
A22	6	6	5	4	5	6
A23	151	165	158	139	148	153
A24	10	8	19	8	15	13
A41	254	251	241	239	237	261
A42	86	84	70	92	62	67
A43	229	230	221	234	208	196
A44	95	91	106	87	107	91
A45	578	567	505	574	518	446
A46	44	45	24	41	39	24
A47	1,730	1,688	1,547	1,685	1,508	1,399
A61	1,228	1,274	1,261	1,214	1,229	1,177
A62	120	127	124	113	126	121
A63	651	587	572	596	555	506
A99	0	0	2	0	0	0
B01	272	261	261	263	254	233
B02	18	20	19	20	14	16
B03	5	8	4	9	4	2
B04	3	7	5	6	5	3
B05	114	113	102	121	112	82
B06	3	0	0	1	0	6
B07	12	18	18	12	17	18
B08	64	54	50	64	45	59
B09	9	11	19	7	11	22
B21	91	95	95	86	100	75
B22	17	27	19	18	30	18
B23	450	404	387	379	409	373
B24	109	110	120	116	111	104
B25	464	422	341	449	339	337
B26	108	97	100	105	89	86
B27	27	43	40	34	37	37

Classification	Application			Grant		
	2015	2016	2017	2016	2017	2018
B28	24	15	10	16	13	12
B29	241	165	159	189	152	153
B30	19	17	10	17	14	7
B31	20	18	5	21	9	6
B32	164	156	142	162	137	123
B33	7	3	5	7	6	2
B41	101	76	70	95	71	70
B42	54	54	63	51	54	50
B43	68	83	76	72	75	68
B44	42	21	38	28	30	39
B60	732	644	537	663	582	517
B61	8	10	12	8	10	6
B62	636	643	562	612	588	475
B63	69	49	52	45	52	46
B64	26	15	22	20	14	24
B65	980	922	913	914	865	886
B66	90	81	90	69	104	75
B67	37	34	29	38	34	22
B68	2	0	0	2	0	0
B81	1	4	9	3	8	4
B82	1	1	3	1	3	2
C01	10	17	24	19	20	24
C02	102	105	105	109	101	101
C03	31	36	21	34	30	18
C04	2	6	4	3	3	2
C05	10	6	10	11	6	7
C06	1	0	0	0	0	0
C07	2	1	1	0	1	0
C08	15	10	8	9	9	11
C09	23	13	19	19	8	15
C10	6	6	6	4	10	3
C11	22	14	19	17	16	13
C12	31	33	31	35	30	24

Classification	Application			Grant		
	2015	2016	2017	2016	2017	2018
C13	0	0	0	0	0	0
C14	0	0	2	0	1	1
C21	12	7	21	9	17	20
C22	5	3	3	2	2	4
C23	42	30	16	29	20	18
C25	63	82	54	75	61	42
C30	2	7	10	5	10	4
C40	0	0	0	0	0	0
D01	11	14	9	13	10	13
D02	12	10	16	10	12	24
D03	37	24	42	38	26	38
D04	56	50	46	51	47	38
D05	50	45	41	46	34	46
D06	89	91	75	97	64	76
D07	6	3	7	6	3	5
D21	14	7	9	13	5	12
D99	1	0	0	1	0	0
E01	33	47	44	44	35	56
E02	46	50	50	46	53	52
E03	129	109	98	114	101	83
E04	381	364	376	360	353	350
E05	236	182	221	209	180	197
E06	231	249	213	224	214	193
E21	1	6	13	2	13	8
F01	35	38	49	39	39	44
F02	82	81	49	70	61	51
F03	102	109	99	91	106	98
F04	207	220	203	200	218	225
F15	11	16	15	7	18	19
F16	862	739	684	773	674	653
F17	18	18	21	12	21	24
F21	424	340	283	353	317	248
F22	9	4	4	7	6	1

Classification	Application			Grant		
	2015	2016	2017	2016	2017	2018
F23	55	67	62	58	54	80
F24	362	358	398	324	358	384
F25	64	64	53	66	60	40
F26	21	28	19	27	22	20
F27	14	18	11	16	12	12
F28	64	62	47	69	42	49
F41	72	88	58	80	73	80
F42	11	11	8	5	11	7
G01	436	469	423	464	397	466
G02	426	411	355	427	355	379
G03	128	115	130	128	115	129
G04	38	29	25	31	17	29
G05	44	60	57	49	53	68
G06	1,244	1,193	1,499	1,128	1,333	1,644
G07	50	43	61	40	54	85
G08	202	193	182	193	179	168
G09	194	177	168	182	171	161
G10	62	65	71	55	70	71
G11	79	71	39	68	43	46
G12	2	1	3	2	2	1
G16	0	0	0	0	0	5
G21	1	2	0	1	2	0
G99	0	0	0	0	0	0
H01	1,645	1,395	1,373	1,432	1,411	1,316
H02	488	387	400	404	394	426
H03	26	20	23	27	20	30
H04	434	396	387	382	403	343
H05	586	513	451	499	475	468
H99	0	0	0	0	0	0
X	159	169	191	0	0	0

Note: In consideration of the time period differentiated between application collection and classification, patent application figures may not be available by the publication deadline for the annual report. Therefore, figures from the past three years are used as the basis of the said statistics.

3. Design Applications and Grants by Classification in Past 3 Years

Classification	Application			Grant		
	2015	2016	2017	2016	2017	2018
01	54	45	40	26	36	25
02	288	371	358	267	339	343
03	223	245	265	232	192	217
04	48	61	74	54	50	60
05	45	55	52	62	30	44
06	431	456	426	365	290	350
07	427	413	380	360	376	311
08	387	393	341	402	334	360
09	435	604	483	431	468	494
10	232	207	221	231	191	189
11	233	283	266	232	224	224
12	817	1,074	813	741	1,016	840
13	464	467	507	477	447	477
14	891	914	1,006	1,035	772	870
15	407	434	494	453	319	441
16	238	262	255	265	231	221
17	6	13	9	6	7	13
18	12	10	37	12	18	30
19	66	104	94	81	64	100
20	55	40	27	52	24	26
21	270	304	257	265	258	259
22	65	79	41	74	54	55
23	426	421	419	446	370	419
24	212	180	176	197	162	149
25	161	123	139	145	113	136
26	494	454	434	387	449	450
27	7	2	11	13	0	6
28	271	271	301	242	214	279
29	19	9	20	16	11	22
30	30	29	55	33	25	50
31	52	56	39	63	46	27
32	0	3	0	0	0	0

Classification	Application			Grant		
	2015	2016	2017	2016	2017	2018
33	0	0	0	0	0	0
34	0	0	0	0	0	0
35	0	0	0	0	0	0
36	0	0	0	0	0	0
37	0	0	0	0	0	0
38	0	0	0	0	0	0
39	0	0	0	0	0	0
40	0	0	0	0	0	0
41	0	0	0	0	0	0
42	0	0	0	0	0	0
44	0	0	0	0	0	0
45	0	0	0	0	0	0
46	0	0	0	0	0	0
47	0	0	0	0	0	0
48	0	0	0	0	0	0
49	0	0	0	0	0	0
50	0	0	0	0	0	0
99	0	0	0	0	0	0
X	42	62	80	1	0	0

Note: In consideration of the time period differentiated between application collection and classification, patent application figures may not be available by the publication deadline for the annual report. Therefore, figures from the past three years are used as the basis of the said statistics.

4. Invention Applications by International Patent Classification (IPC) in 2017 (TOP 20)

Ranking	IPC	IPC Subject	Total
1	H01L	Semiconductor devices; electric solid state devices not otherwise provided for	5,550
2	G06F	Electric digital data processing	2,984
3	A61K	Preparations for medical, dental, or toilet purposes	1,266
4	G06Q	Electronic commerce	1,260
5	G02B	Optical elements, systems, or apparatus	935
6	H04W	Wireless communication networks	892
7	C07D	Heterocyclic compounds	840
8	G03F	Photomechanical production of textured or patterned surfaces; materials therefor; originals therefor; apparatus specially adapted therefor; exposure apparatus	818
9	H04L	Transmission of digital information	748
10	H04N	Pictorial communication	738
11	B32B	Layered products	680
12	C08L	Compositions of Macromolecular Compounds	647
13	G11C	Static stores	636
14	C23C	Coating metallic material; coating material with metallic material	627
15	G01N	Investigating or analysing materials by determining their chemical or physical properties	610
16	C08G	Macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds	538
17	H05K	Printed circuits; casings or constructional details of electric apparatus; manufacture of assemblages of electrical components	522
18	H01R	Electrically-conductive connections	502
19	G02F	Liquid crystal display (LCD), electrophoresis display (EPD)	483
20	C09K	Materials for applications not otherwise provided for; applications of materials not otherwise provided for	473

Note: 1. The order of placement is arranged by the number of applications, from most to least.

2. For detailed IPC subject, please refer to International Patent Classification version 2018.01.

3. In consideration of the time period differentiated between application collection and classification, patent application figures may not be available by the publication deadline of the annual report. Therefore, figures from the previous year are used as the basis of the said statistics.

5. Utility Model Applications by International Patent Classification (IPC) in 2017 (TOP 20)

Ranking	IPC	IPC Subject	Total
1	G06Q	Electronic commerce	836
2	B65D	Containers for storage or transport of articles or materials	584
3	H01R	Electrically-conductive connections	558
4	G06F	Electric digital data processing	548
5	A47G	Household or table equipment	482
6	H01L	Semiconductor devices; electric solid state devices not otherwise provided for	385
7	H05K	Printed circuits; casings or constructional details of electric apparatus; manufacture of assemblages of electrical components	359
8	A63B	Apparatus for physical training, gymnastics, swimming, climbing, or fencing; ball games; training equipment	350
9	A47J	Kitchen equipment; coffee mills; spice mills; apparatus for making beverages	338
10	A01K	Animal husbandry; care of birds, fishes, insects; fishing; rearing or breeding animals, not otherwise provided for; new breeds of animals	294
11	A01G	Horticulture; cultivation of vegetables, flowers, rice, fruit, vines, hops, or seaweed; forestry; watering	268
12	A61H	Physical therapy apparatus	239
13	B01D	Separation	226
14	A47C	Chairs; sofas; beds	222
15	A61B	Diagnosis; surgery; identification	200
16	A45D	Hairdressing or shaving equipment; manicuring or other cosmetic treatment	198
17	F21V	Lighting devices	196
18	E06B	Shutter	194
19	B23Q	Details, components, or accessories for machine tools	191
20	B25B	Tools or bench devices	189

Note: 1. The order of placement is arranged by the number of applications, from most to least.

2. For detailed IPC subject, please refer to International Patent Classification version 2018.01.

3. In consideration of the time period differentiated between application collection and classification, patent application figures may not be available by the publication deadline of the annual report. Therefore, figures from the previous year are used as the basis of the said statistics.

6. Design Applications by International Classification for Industrial Design System (LOC) in 2017 (TOP 20)

Ranking	LOC	LOC Subject	Total
1	12-16	Parts, equipment and accessories for vehicles, not included in other classes or subclasses	451
2	13-03	Equipment for distribution or control of electric power	313
3	26-06	Luminous devices for vehicles	304
4	14-03	Communications equipment, wireless remote controls and radio amplifiers	300
5	14-02	Data processing equipment as well as peripheral apparatus and devices	299
6	28-03	Toilet articles and beauty parlor equipment	279
7	03-01	Trunks, suitcases, briefcases, handbags, keyholders, cases specially designed for their contents, wallets and similar articles	248
8	02-04	Footwear, socks and stockings	245
9	09-01	Bottles, flasks, pots, carboys, demijohns, and containers with dynamic dispensing means	211
10	14-04	Screen Displays and Icons	209
11	16-06	Optical articles	178
12	06-04	Storage furniture	163
13	07-02	Cooking appliances, utensils and containers	158
14	09-03	Boxes, cases, containers, (preserve) tins or cans	154
14	12-11	Cycles and motorcycles	154
14	15-99	Miscellaneous	154
17	21-01	Games and toys	145
18	23-04	Ventilation and air-conditioning equipment	143
19	15-05	Washing, cleaning and drying machines	135
20	06-01	Seats	131

Note: 1. The order of placement is arranged by the number of applications, from most to least.

2. In consideration of the time period differentiated between application collection and classification, patent application figures may not be available by the publication deadline of annual report. Therefore, figures from the previous year are used as the basis of the said statistics.

3. For detailed LOC subject, please refer to International Classification for Industrial Designs 11th edition.

7. Invention Grants by International Patent Classification (IPC) in 2018 (TOP 20)

Ranking	IPC	IPC Subject	Total
1	H01L	Semiconductor devices; electric solid state devices not otherwise provided for	4,562
2	G06F	Electric digital data processing	2,392
3	G02B	Optical elements, systems, or apparatus	931
4	G03F	Photomechanical production of textured or patterned surfaces; materials therefor; originals therefor; apparatus specially adapted therefor; exposure apparatus	782
5	A61K	Preparations for medical, dental, or toilet purposes	705
6	H05K	Printed circuits; casings or constructional details of electric apparatus; manufacture of assemblages of electrical components	639
7	C08L	Compositions of Macromolecular Compounds	610
8	C07D	Heterocyclic compounds	582
9	G11C	Static stores	569
10	G06Q	Electronic commerce	567
11	B32B	Layered products	534
12	H04N	Pictorial communication	519
13	G01N	Investigating or analysing materials by determining their chemical or physical properties	513
14	C23C	Coating metallic material; coating material with metallic material	506
15	G01R	Measuring electric variables; measuring magnetic variables	465
16	H01M	Processes or means for the direct conversion of chemical energy into electrical energy	452
17	C09K	Materials for applications not otherwise provided for; applications of materials not otherwise provided for	419
17	H04L	Transmission of digital information	419
19	B29C	Shaping or joining of plastics; shaping of material in a plastic state, not otherwise provided for; after-treatment of the shaped products	412
20	G02F	Liquid crystal display (LCD), electrophoresis display (EPD)	409
20	H04W	Wireless communication networks	409

Note: 1. The order of placement is arranged by the number of grants, from most to least.
2. For detailed IPC subject, please refer to International Patent Classification version 2018.01.

8. Utility Model Grants by International Patent Classification (IPC) in 2018 (TOP 20)

Ranking	IPC	IPC Subject	Total
1	G06Q	Electronic commerce	943
2	G06F	Electric digital data processing	573
3	B65D	Containers for storage or transport of articles or materials	555
4	H01R	Electrically-conductive connections	530
5	A47G	Household or table equipment	431
6	H01L	Semiconductor devices; electric solid state devices not otherwise provided for	383
7	H05K	Printed circuits; casings or constructional details of electric apparatus; manufacture of assemblages of electrical components	374
8	A63B	Apparatus for physical training, gymnastics, swimming, climbing, or fencing; ball games; training equipment	304
9	A47J	Kitchen equipment; coffee mills; spice mills; apparatus for making beverages	297
10	A01K	Animal husbandry; care of birds, fishes, insects; fishing; rearing or breeding animals, not otherwise provided for; new breeds of animals	272
11	A01G	Horticulture; cultivation of vegetables, flowers, rice, fruit, vines, hops, or seaweed; forestry; watering	212
12	A47B	Tables; desks; office furniture; cabinets; drawers; general details of furniture	209
13	A61H	Physical therapy apparatus	207
14	A61B	Diagnosis; surgery; identification	203
15	B01D	Separation	201
16	B25B	Tools or bench devices	183
17	E06B	Shutter	179
18	A61F	Filters implantable into blood vessels; prostheses; devices providing patency to, or preventing collapsing of, tubular structures of the body	174
19	A45C	Purses; luggage; hand carried bags	173
20	A47C	Chairs; sofas; beds	170

Note: 1. The order of placement is arranged by the number of grants, from most to least.

2. For detailed IPC subject, please refer to International Patent Classification version 2018.01.

9. Design Grants by International Classification for Industrial Design System (LOC) in 2018 (TOP 20)

Ranking	LOC	LOC Subject	Total
1	12-16	Parts, equipment and accessories for vehicles, not included in other classes or subclasses	524
2	26-06	Luminous devices for vehicles	319
3	13-03	Equipment for distribution or control of electric power	308
4	14-02	Data processing equipment as well as peripheral apparatus and devices	274
5	28-03	Toilet articles and beauty parlor equipment	256
6	02-04	Footwear, socks and stockings	245
7	14-03	Communications equipment, wireless remote controls and radio amplifiers	236
8	09-01	Bottles, flasks, pots, carboys, demijohns, and containers with dynamic dispensing means	215
9	03-01	trunks, suitcases, briefcases, handbags, keyholders, cases specially designed for their contents, wallets and similar articles	201
10	15-99	Miscellaneous	164
11	09-03	Boxes, cases, containers, (preserve) tins or cans	157
12	21-01	Games and toys	155
13	14-04	Screen Displays and Icons	146
14	23-01	Fluid distribution equipment	145
15	07-02	Cooking appliances, utensils and containers	142
16	23-04	Ventilation and air-conditioning equipment	138
17	16-06	Optical articles	135
18	06-04	Storage furniture	130
19	12-11	Cycles and motorcycles	120
20	11-02	Trinkets, table, mantel and wall ornaments, flower vases and pots	117

Note: 1. The order of placement is arranged by the number of grants, from most to least.

2. For detailed LOC subject, please refer to International Classification for Industrial Designs 11th edition.

10. Patent Applications by Nationality (2018)

Nationality	Application				
	Invention	Utility Model	Design	Total	Percentage
TAIWAN, REPUBLIC OF CHINA	18,365	16,661	4,252	39,278	53.50%
JAPAN	12,871	74	1,224	14,169	19.30%
UNITED STATES OF AMERICA	6,393	175	777	7,345	10.00%
MAINLAND CHINA	2,595	615	296	3,506	4.78%
REPUBLIC OF KOREA	1,766	12	118	1,896	2.58%
GERMANY	1,197	9	305	1,511	2.06%
HONG KONG	907	146	107	1,160	1.58%
SWITZERLAND	460	8	195	663	0.90%
NETHERLANDS	477	10	46	533	0.73%
FRANCE	212	7	233	452	0.62%
SINGAPORE	314	13	71	398	0.54%
UNITED KINGDOM	327	13	37	377	0.51%
CAYMAN ISLANDS	216	67	11	294	0.40%
SWEDEN	147	1	110	258	0.35%
ITALY	138	6	60	204	0.28%
AUSTRIA	155	4	9	168	0.23%
FINLAND	56	0	42	98	0.13%
ISRAEL	89	2	3	94	0.13%
BELGIUM	71	2	21	94	0.13%
CANADA	73	4	7	84	0.11%
AUSTRALIA	65	6	12	83	0.11%
DENMARK	44	0	15	59	0.08%
SAMOA	43	15	1	59	0.08%
IRELAND	50	8	0	58	0.08%
NEW ZEALAND	17	1	36	54	0.07%

Nationality	Application				
	Invention	Utility Model	Design	Total	Percentage
MALAYSIA	35	6	9	50	0.07%
INDIA	45	0	1	46	0.06%
LUXEMBOURG	36	0	6	42	0.06%
SPAIN	30	3	5	38	0.05%
NORWAY	29	3	5	37	0.05%
BRITISH VIRGIN ISLANDS	25	6	4	35	0.05%
SEYCHELLES	21	11	3	35	0.05%
MACAO	9	5	16	30	0.04%
ANTIGUA AND BARBUDA	23	0	0	23	0.03%
LIECHTENSTEIN	20	0	2	22	0.03%
SLOVENIA	0	0	18	18	0.02%
THAILAND	7	9	0	16	0.02%
BARBADOS	4	0	8	12	0.02%
BERMUDA	10	0	1	11	0.01%
HUNGARY	6	0	2	8	0.01%
NAMIBIA	7	0	0	7	0.01%
RUSSIAN FEDERATION	7	0	0	7	0.01%
VIETNAM	2	1	3	6	0.01%
OTHERS	65	7	11	83	0.11%
Total	47,429	17,910	8,082	73,421	100.00%

Note: Countries with fewer than 5 applications are listed as "OTHERS."

11. Pre-grant Publications by Nationality (2018)

Nationality	Pre-grant Publication	Percentage	Nationality	Pre-grant Publication	Percentage
TAIWAN, REPUBLIC OF CHINA	15,518	35.21%	AUSTRALIA	43	0.10%
JAPAN	13,313	30.21%	NORWAY	43	0.10%
UNITED STATES OF AMERICA	6,407	14.54%	MALTA	42	0.10%
MAINLAND CHINA	1,885	4.28%	DENMARK	33	0.07%
REPUBLIC OF KOREA	1,716	3.89%	IRELAND	32	0.07%
GERMANY	1,179	2.68%	MALAYSIA	22	0.05%
HONG KONG	751	1.70%	LIECHTENSTEIN	21	0.05%
NETHERLANDS	460	1.04%	SPAIN	20	0.05%
SWITZERLAND	409	0.93%	SEYCHELLES	20	0.05%
UNITED KINGDOM	325	0.74%	SAMOA	18	0.04%
SINGAPORE	246	0.56%	ANTIGUA AND BARBUDA	17	0.04%
FRANCE	231	0.52%	THAILAND	14	0.03%
CAYMAN ISLANDS	224	0.51%	BRITISH VIRGIN ISLANDS	12	0.03%
ITALY	170	0.39%	MACAO	11	0.02%
SWEDEN	170	0.39%	NEW ZEALAND	11	0.02%
AUSTRIA	104	0.24%	BARBADOS	8	0.02%
BELGIUM	102	0.23%	NAMIBIA	8	0.02%
CANADA	61	0.14%	BERMUDA	6	0.01%
ISRAEL	60	0.14%	HUNGARY	6	0.01%
LUXEMBOURG	50	0.11%	OTHERS	211	0.48%
INDIA	48	0.11%	Total	44,073	100.00%
FINLAND	46	0.10%			

Note: Countries with fewer than 5 pre-grant publications are listed as "OTHERS."

12. Granted Patents by Nationality (2018)

Nationality	Number of Granted Patents				
	Invention	Utility Model	Design	Total	Percentage
TAIWAN, REPUBLIC OF CHINA	14,651	17,270	3,903	35,824	57.60%
JAPAN	9,953	87	1,229	11,269	18.12%
UNITED STATES OF AMERICA	5,189	173	689	6,051	9.73%
MAINLAND CHINA	1,247	636	205	2,088	3.36%
REPUBLIC OF KOREA	1,638	16	133	1,787	2.87%
GERMANY	803	18	340	1,161	1.87%
NETHERLANDS	461	14	59	534	0.86%
SWITZERLAND	331	11	157	499	0.80%
HONG KONG	194	124	96	414	0.67%
FRANCE	175	3	147	325	0.52%
CAYMAN ISLANDS	190	95	23	308	0.50%
UNITED KINGDOM	180	18	109	307	0.49%
SINGAPORE	203	12	32	247	0.40%
SWEDEN	113	0	72	185	0.30%
ITALY	89	4	63	156	0.25%
AUSTRIA	78	1	6	85	0.14%
FINLAND	59	0	18	77	0.12%
BELGIUM	62	1	12	75	0.12%
AUSTRALIA	42	6	16	64	0.10%
IRELAND	49	8	0	57	0.09%
BRITISH VIRGIN ISLANDS	31	5	21	57	0.09%
ISRAEL	36	1	13	50	0.08%
CANADA	42	4	2	48	0.08%
LUXEMBOURG	46	0	1	47	0.08%

Nationality	Number of Granted Patents				
	Invention	Utility Model	Design	Total	Percentage
SEYCHELLES	25	16	4	45	0.07%
SAMOA	25	16	2	43	0.07%
BARBADOS	23	0	14	37	0.06%
NEW ZEALAND	8	0	27	35	0.06%
SPAIN	16	4	11	31	0.05%
DENMARK	20	0	9	29	0.05%
MALAYSIA	15	4	10	29	0.05%
LIECHTENSTEIN	27	0	1	28	0.05%
INDIA	20	0	4	24	0.04%
MALTA	21	0	1	22	0.04%
MACAO	2	1	19	22	0.04%
SLOVENIA	1	0	16	17	0.03%
THAILAND	11	4	1	16	0.03%
NORWAY	13	1	1	15	0.02%
HUNGARY	3	0	8	11	0.02%
BELIZE	7	0	0	7	0.01%
SAUDI ARABIA	6	0	1	7	0.01%
OTHERS	42	6	12	60	0.10%
TOTAL	36,147	18,559	7,487	62,193	100.00%

Note: Countries with fewer than 5 patents granted are listed as "OTHERS."

13. Residents Patent Applications in 2018 (Top 20)

Ranking	Applicant	Number of Applications			
		Invention	Utility Model	Design	Total
1	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY LTD.	944	0	0	944
2	AU OPTRONICS CORPORATION	538	13	35	586
3	ACER INCORPORATED	345	95	36	476
4	MEDIATEK INC.	447	5	0	452
5	INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE	426	12	3	441
6	HON HAI PRECISION INDUSTRY CO., LTD.	218	11	17	246
7	CHINA STEEL CORPORATION	93	121	0	214
8	REALTEK SEMICONDUCTOR CORPORATION	195	0	0	195
9	HIGH TECH COMPUTER, CORP.	170	0	15	185
10	MICROJET TECHNOLOGY CO., LTD	99	83	2	184
10	FAR-EAST-UNIVERSITY	25	159	0	184
12	INVENTEC CORPORATION	180	0	0	180
13	COMPAL ELECTRONICS, INC.	77	19	81	177
14	CHUNGHWA TELECOM CO., LTD.	168	5	0	173
15	QUANTA COMPUTER INC.	135	12	22	169
16	WISTRON CORPORATION	130	32	0	162
17	DELTA ELECTRONICS, INC.	112	19	29	160
18	ASUSTEK COMPUTER INC.	63	71	19	153
19	PEGATRON CORPORATION	132	12	8	152
20	NATIONAL CHIN-YI UNIVERSITY OF TECHNOLOGY	74	53	4	131

Note: Applicants with the same total of applications are given the same ranking, but the order of placement is arranged by the number of invention patents, from most to least.

14. Residents Patent Grants in 2018 (Top 20)

Ranking	Applicant	Number of Grants			
		Invention	Utility Model	Design	Total
1	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY LTD.	430	0	0	430
2	INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE	414	12	2	428
3	AU OPTRONICS CORPORATION	297	14	17	328
4	HON HAI PRECISION INDUSTRY CO., LTD.	298	9	15	322
5	MEDIATEK INC.	283	5	0	288
6	ACER INCORPORATED	174	57	13	244
7	CHINA STEEL CORPORATION	98	117	0	215
8	CHUNGHWA TELECOM CO., LTD.	189	2	1	192
9	MICROJET TECHNOLOGY CO., LTD	96	79	2	177
9	FAR-EAST-UNIVERSITY	43	134	0	177
11	TAIPEI CHENGSHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY	5	152	0	157
12	CHIUN MAI COMMUNICATION SYSTEMS, INC.	139	2	3	144
13	DELTA ELECTRONICS, INC.	106	15	17	138
14	ASUSTEK COMPUTER INC.	65	56	15	136
15	REALTEK SEMICONDUCTOR CORPORATION	135	0	0	135
16	WISTRON CORPORATION	105	24	5	134
17	HIGH TECH COMPUTER, CORP.	113	0	14	127
18	QUANTA COMPUTER INC.	85	16	24	125
19	NATIONAL TSING HUA UNIVERSITY	116	1	0	117
20	PEGATRON CORPORATION	98	17	1	116

Note: Applicants with the same total of grants are given the same ranking, but the order of placement is arranged by the number of invention patents, from most to least.

15. Non-Residents Patent Applications in 2018 (Top 20)

Ranking	Applicant	Number of Applications			
		Invention	Utility Model	Design	Total
1	QUALCOMM INCORPORATED	1,011	0	0	1011
2	ALIBABA GROUP SERVICES LIMITED	594	1	4	599
3	APPLIED MATERIALS, INC.	416	16	5	437
4	TOKYO ELECTRON LIMITED	372	0	6	378
5	NITTO DENKO CORPORATION	315	0	0	315
6	DISCO CORPORATION	285	0	0	285
7	CORNING INCORPORATED	270	0	0	270
8	SAMSUNG ELECTRONICS CO., LTD.	252	0	17	269
9	SEMICONDUCTOR ENERGY LABORATORY CO., LTD.	253	0	0	253
9	GUANG DONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD	226	0	27	253
11	LG CHEM, LTD.	242	0	0	242
12	MITSUBISHI ELECTRIC CORPORATION	190	0	48	238
13	SHIMANO INC.	214	3	14	231
14	FUJIFILM CORPORATION	218	0	1	219
15	PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.	175	0	39	214
16	SCREEN HOLDINGS CO., LTD.	210	0	2	212
16	FORD GLOBAL TECHNOLOGIES, LLC	0	0	212	212
18	TOSHIBA MEMORY CORPORATION	202	0	1	203
19	SUMITOMO CHEMICAL CO., LTD.	195	0	0	195
20	MICRON TECHNOLOGY, INC.	194	0	0	194

Note: Applicants with the same total of applications are given the same ranking, but the order of placement is arranged by the number of invention patents, from most to least.

16. Non-Residents Patent Grants in 2018 (Top 20)

Ranking	Applicant	Number of Patent Grants			
		Invention	Utility Model	Design	Total
1	SEMICONDUCTOR ENERGY LABORATORY CO., LTD.	474	0	0	474
2	INTEL CORPORATION	407	0	0	407
3	APPLIED MATERIALS, INC.	340	18	9	367
4	TOKYO ELECTRON LIMITED	296	1	1	298
5	SAMSUNG DISPLAY CO., LTD.	240	0	0	240
6	MITSUBISHI ELECTRIC CORPORATION	183	0	44	227
7	FUJIFILM CORPORATION	213	0	0	213
8	LG CHEM, LTD.	191	0	0	191
9	NITTO DENKO CORPORATION	184	0	0	184
10	BAYERISCHE MOTOREN WERKE AKTIENGESELLSCHAFT	0	0	182	182
11	SAMSUNG ELECTRONICS CO., LTD.	157	0	22	179
12	APPLE INC.	128	3	41	172
13	QUALCOMM INCORPORATED	165	0	0	165
14	ASML NETHERLANDS B. V.	161	0	0	161
15	SHIMANO INC.	143	3	9	155
16	KLA-TENCOR CORPORATION	154	0	0	154
17	FORD GLOBAL TECHNOLOGIES, LLC	0	0	153	153
18	SCREEN HOLDINGS CO., LTD.	152	0	0	152
19	SHIN-ETSU CHEMICAL CO., LTD.	146	0	1	147
19	TOSHIBA MEMORY CORPORATION	145	0	2	147

Note: Applicants with the same total of grants are given the same ranking, but the order of placement is arranged by the number of invention patents, from most to least.

17. Certificates Issued by Type of Industry in 2018

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)	117	598	94	8	817	1.49%
Foods & Tobacco	A21-A24	91	226	165	10	492	0.90%
Domestic Articles	A41-A47	388	2,369	431	115	3,303	6.04%
Pharmaceutical & Entertainment	A61-A63, (exclude A61K& A61P,A61Q)	676	1,639	544	95	2,954	5.40%
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	280	56	471	6	813	1.49%
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	228	68	372	1	669	1.22%
Separation & Mixing	B01-B09	236	420	464	21	1,141	2.09%
Working of Metal	B21-B32, (exclude B31)	912	1,255	1,467	70	3,704	6.77%
Printing	B41-B44	68	222	161	5	456	0.83%
Transporting	B60-B68	734	1,914	790	137	3,575	6.53%
Micro-structural technology; nano-technology	B81-B82	47	6	55	0	108	0.20%
Inorganic Chemistry, Treatment of Waste Water	C01-C05,C30	269	145	640	11	1,065	1.95%
Organic Chemistry	C07, (exclude C07K, C07M)	125	0	934	0	1,059	1.94%
Organic Macromolecular Compound	C08	164	11	1,180	0	1,355	2.48%
Dyes, Petroleum, Animal or Vegetable Oils	C09-C11	135	30	1,041	1	1,207	2.21%
Sugar Industries & Pelts/Leather	C13-C14	1	1	2	0	4	0.01%
Metallurgy, Coating Metallic Material & Alloys	C21-C23,C25 (exclude C22K)	177	74	815	10	1,076	1.97%
Textiles & Flexible Materials	D01-D07	128	226	207	14	575	1.05%
Paper Making & Making Paper Articles	D21,B31	8	12	28	6	54	0.10%

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	302	907	156	24	1,389	2.54%
Mining or Quarrying	E21	0	8	5	0	13	0.02%
Engines and Pumps	F01-F04	196	393	222	25	836	1.53%
Hydraulics or Pneumatics in General	F15-F17	289	668	320	28	1,305	2.39%
Lighting; Heating	F21-F28	435	805	315	29	1,584	2.90%
Weapons; Explosive Charges	F41-F42,C06	15	86	17	1	119	0.22%
Optics	G01-G03 ,(exclude G01N33)	1,610	821	2,267	119	4,817	8.81%
Measuring	G04-G08,(exclude G06F,G06Q)	551	423	316	26	1,316	2.41%
Semi-Conductor Applications	G09-G12	564	262	618	17	1,461	2.67%
Nuclear Engineering	G21	5	0	24	0	29	0.05%
Electric Power; Generation, Distribution or Conversion of Electric Power, Electric Heating	H02,H05	898	812	794	82	2,586	4.73%
Basic Electronic Elements	H01,(exclude H01L)	852	712	1,053	221	2,838	5.19%
Semiconductor Devices	H01L	1,477	304	3,085	79	4,945	9.04%
Basic Electronic Circuitry; Electric Communication Technique	H03,H04	971	333	1,143	40	2,487	4.55%
Electric Digital Data Processing	G06F(exclude 17/60)	1,244	505	1,148	68	2,965	5.42%
E-business	G06F17/60,G06Q	439	932	128	11	1,510	2.76%
Others		19	27	24	9	79	0.14%
Total		14,651	17,270	21,496	1,289	54,706	100.00%

18. Statistics for Valid Patent

Invention & Utility Model

Classification	Invention	Utility Model
A01	1,936	2,974
A21	129	319
A22	16	34
A23	1,217	708
A24	267	44
A41	243	1,167
A42	70	318
A43	426	1,031
A44	822	488
A45	396	2,158
A46	67	138
A47	2,150	7,622
A61	11,947	6,147
A62	220	573
A63	1,814	2,731
B01	3,412	1,399
B02	119	137
B03	72	46
B04	44	25
B05	1,402	675
B06	20	14
B07	94	99
B08	438	285
B09	138	74
B21	1,076	560
B22	595	112
B23	3,340	2,388
B24	1,617	645
B25	2,670	2,281
B26	373	501
B27	131	215
B28	165	75
B29	2,511	1,089

Classification	Invention	Utility Model
B30	110	109
B31	56	61
B32	2,988	749
B33	10	11
B41	1,607	529
B42	78	285
B43	154	321
B44	134	194
B60	2,321	3,247
B61	204	39
B62	3,049	3,045
B63	234	209
B64	112	77
B65	4,243	4,651
B66	403	469
B67	116	130
B68	8	8
B81	394	18
B82	338	6
C01	2,027	75
C02	856	477
C03	2,012	167
C04	896	19
C05	73	38
C06	5	3
C07	7,792	5
C08	10,782	46
C09	7,608	86
C10	538	25
C11	482	62
C12	1,961	164
C13	9	1
C14	14	2

Classification	Invention	Utility Model
C21	489	55
C22	1,991	18
C23	4,454	145
C25	1,304	282
C30	815	83
C40	11	0
D01	594	88
D02	86	76
D03	208	154
D04	476	322
D05	475	274
D06	739	402
D07	13	29
D21	232	46
D99	1	2
E01	160	196
E02	267	258
E03	255	467
E04	885	1,924
E05	901	1,232
E06	518	1,274
E21	66	46
F01	351	210
F02	595	353
F03	368	448
F04	1,503	1,186
F15	167	77
F16	4,616	4,257
F17	195	102
F21	1,792	1,913
F22	44	28
F23	505	393
F24	1,308	1,943

Classification	Invention	Utility Model
F25	595	318
F26	119	134
F27	233	81
F28	673	299
F41	200	432
F42	32	42
G01	12,623	2,495
G02	16,232	2,317
G03	8,962	624
G04	183	120
G05	2,449	289
G06	30,494	7,029
G07	404	278
G08	1,084	822
G09	7,274	834
G10	1,217	315
G11	7,349	378
G12	42	15
G16	3	5
G21	309	8
G99	1	1
H01	67,233	10,424
H02	7,889	2,321
H03	5,525	133
H04	23,991	2,224
H05	10,078	3,414
H99	1	0
Total	323,130	106,035

Note: The figures above are calculated based on existing patents as of December 31, 2018.

Design

Classification	Design
01	198
02	1,612
03	1,072
04	297
05	298
06	1,890
07	1,911
08	2,299
09	2,920
10	1,395
11	1,276
12	5,604
13	3,159
14	5,135
15	2,626
16	1,523
17	51
18	126
19	649
20	224

Classification	Design
21	1,439
22	302
23	2,550
24	1,147
25	910
26	2,533
27	87
28	1,383
29	98
30	167
31	286
99	17
Total	45,184

Note: The figures above are calculated based on existing patents as of December 31, 2018.

19. Statistics of Pending Patent Applications for Examination (2009~2018)

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		
2009	141,213	8,117	6,057	4,676	119	-	1	-	522	1,319	44	2,803	164,871
2010	153,969	9,015	6,198	4,171	112	-	1	-	497	1,257	58	2,882	178,160
2011	160,858	8,444	6,224	4,312	74	-	-	-	399	1,116	82	2,322	183,831
2012	153,039	8,376	6,382	5,167	39	-	-	-	365	1,027	68	2,140	176,603
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

Note: 1. The new Patent Act took effect on July 1, 2004. Accordingly, utility model patent applications shall be subject to formality examination and technical evaluation reports shall be required in said applications.

2. The statistics above excludes the number of applications not requesting for substantial examination. (2009: 8,501; 2010: 10,705; 2011:12,671; 2012:10,932; 2013:9,959; 2014:10,734; 2015:9,684; 2016: 10,142; 2017: 9,707; 2018: 7,716).

3. Some new applications were collected via E-filing starting April 2008. Since operation procedures were different, there was a slight discrepancy in statistical data for 2008 on the number of pending cases.

D. Trend Table of Invention Requests for Examination

Number and Percentage of Requests for Examination (Shown by the Year of Filing)

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
2009	46,582	28,508	61.20%	1,390	2.98%	11,520	24.73%	465	1.00%	41,883	89.91%
2010	47,327	27,829	58.80%	1,669	3.53%	11,947	25.24%	417	0.88%	41,862	88.45%
2011	49,919	29,092	58.28%	1,545	3.10%	12,473	24.99%	604	1.21%	43,714	87.57%
2012	51,189	30,520	59.62%	1,102	2.15%	12,137	23.71%	887	1.73%	44,646	87.22%
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%	40,966	88.33%
2015	44,415	24,799	55.83%	1,372	3.09%	12,153	27.36%	1,446	3.26%	39,772	89.55%
2016	43,835	23,321	53.20%	1,462	3.34%	2,641	6.02%	1,613	3.68%	29,037	66.24%
2017	46,122	24,967	54.13%	965	2.09%	269	0.58%	1,579	3.42%	27,780	60.23%
2018	47,429	26,518	55.91%	302	0.64%	160	0.34%	1,191	2.51%	28,171	59.40%

- 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 new Patent Act of the ROC.
2. Except for the divisional applications and conversion applications conforming to Article 34 or 108 of the new 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 the total number of the requests for examination in each year within three years from the filing dates, applications divided or converted in 30 days from the filing date according to Articles 34 and 108 of the new Patent Act, 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
2009	30	27
2010	50	48
2011	144	120
2012	159	124
2013	146	83
2014	87	195
2015	113	120
2016	114	133
2017	58	68
2018	95	96

II. Trademark Cases Filed & Disposed

A. General Statistics of Trademark Cases (2009-2018)

Year \ Item	Application	Registration	Rejection
2009	59,669	48,075	7,728
2010	66,496	54,292	8,356
2011	67,620	48,315	6,480
2012	74,357	61,918	8,724
2013	74,031	60,557	8,581
2014	75,933	66,257	7,641
2015	78,523	62,993	7,692
2016	79,300	68,177	8,956
2017	83,802	74,226	8,903
2018	84,816	71,809	8,464

Note: 1. The figures for "Application" are calculated based on the total number of registration applications collected each year.

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

B. Statistics of Trademark (2009-2018)

1. Statistics of Applications

Year	Item	Application		Opposition	Invalidation	Revocation
		By case	By class			
2009		59,669	74,177	1,033	389	354
2010		66,496	83,072	1,010	373	648
2011		67,620	85,958	881	444	441
2012		74,357	95,435	1,009	345	570
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

Year	Item	Renewal	License	Assignment	Alteration
2009		30,386	1,432	8,925	8,703
2010		33,554	1,148	7,937	9,722
2011		37,530	1,082	8,743	7,848
2012		35,547	1,077	9,188	8,808
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

Note: 1. The figures 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 registration may contain two or more types of goods or services. Therefore, the number of applications and the number of classes are not the same.

2. Trademark Opposition

Year \ Item	Sustained	Denied	Others
2009	753	295	256
2010	514	195	223
2011	436	124	260
2012	324	177	250
2013	421	377	273
2014	427	265	216
2015	470	177	261
2016	426	232	228
2017	386	183	227
2018	461	272	129

Note: 1. The chart shows the number of cases disposed each year.

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

3. Trademark Invalidation

Year \ Item	Sustained	Denied	Others
2009	295	149	107
2010	220	76	91
2011	194	50	122
2012	130	70	129
2013	116	130	89
2014	108	75	101
2015	122	60	74
2016	116	41	60
2017	106	32	80
2018	139	34	33

Note: 1. The chart shows the number of cases disposed each year.

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

4. Trademark Revocation (Cancellation)

Year \ Item	Sustained	Denied	Others
2009	248	62	76
2010	484	27	56
2011	310	33	112
2012	343	41	116
2013	331	52	136
2014	405	47	115
2015	487	35	157
2016	379	47	193
2017	345	28	195
2018	372	34	145

Note: 1. The chart shows the number of cases disposed each year.
 2. The item "Others" includes rejection because of formal deficiency, withdrawal, and other types of rejection.
 3. Beginning from November 28, 2003, "disciplinary cancellation" has been changed to "revocation."

5. Trademark Administrative Appeals, 2009-2018

Year \ Item	Administrative Appeals					
	Cases Filed	Decisions of Administrative Appeals				
		Original Decisions Revoked	Administrative Appeals Rejected	Others	Other Concluded Cases	Rate of Revocation
2009	1,048	78	920	0	35	7.55%
2010	906	68	930	0	27	6.63%
2011	674	34	648	0	31	4.77%
2012	835	37	771	1	11	4.63%
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%

Note: 1. The above statistics are based on figures published by the Petitions and Appeals Committee, MOEA.
 2. The "Administrative Appeals Rejected" column includes cases inadmissible and rejected. The "Other Concluded Cases" column includes withdrawals by appellants, jurisdictional transfers, and consolidated reviews.
 3. The "Others" category for concluded appeals refers to partial rejection and partial cancellation.

6. Trademark Administrative Litigation Processed by the Intellectual Property Court

Year \ Item	Cases Received	Cases Concluded							
		Withdrawn	Plaintiff Won	Plaintiff Lost	Partially Sustained	Dismissals	Settlements	Others	Total
2009	263	10	20	197	11	13	10	1	262
2010	254	14	14	188	14	12	1	0	243
2011	173	9	16	162	16	8	5	1	217
2012	192	8	18	122	19	1	3	0	171
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

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

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

7. Residents and Non-Residents Trademark Applications (By Case)

Year \ Item	Residents	Non-Residents
2009	47,009	12,677
2010	50,998	15,498
2011	50,895	16,725
2012	55,696	18,661
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

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

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

Year \ Item	Residents	Non-Residents
2009	35,650	12,425
2010	41,410	12,882
2011	36,687	11,628
2012	45,659	16,259
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

APPENDIX

C. Statistics of Trademarks by Class and Nationality

1. Trademark Applications and Registrations by Class (2016-2018)

Class	Application			Registration		
	2016	2017	2018	2016	2017	2018
Total	101,257	108,656	109,979	88,196	96,655	93,974
1	1,328	1,457	1,342	1,174	1,251	1,340
2	390	338	325	303	356	348
3	6,838	6,818	7,079	5,400	6,337	5,483
4	475	520	470	422	446	476
5	5,963	6,754	6,781	4,838	5,765	5,519
6	947	967	949	826	983	873
7	1,903	2,083	2,140	1,696	1,888	2,110
8	716	746	662	646	724	689
9	7,572	8,325	8,583	6,829	7,057	7,934
10	1,729	1,821	1,845	1,455	1,840	1,545
11	2,087	2,046	1,922	1,780	1,876	2,018
12	1,709	1,699	1,613	1,564	1,515	1,581
13	61	73	79	53	57	77
14	1,242	1,383	1,393	1,292	1,278	1,273

Class	Application			Registration		
	2016	2017	2018	2016	2017	2018
15	187	164	156	138	185	140
16	2,702	2,935	2,860	2,473	2,686	2,729
17	599	537	553	562	586	548
18	2,226	2,218	2,166	2,153	2,244	1,901
19	423	529	506	410	463	457
20	1,478	1,602	1,652	1,384	1,566	1,411
21	2,092	2,284	2,182	1,873	2,028	2,107
22	219	230	225	206	215	213
23	99	90	100	89	84	87
24	1,066	986	1,096	868	1,065	912
25	4,598	4,602	4,358	3,971	4,388	3,657
26	343	383	334	330	378	313
27	296	250	267	196	309	227
28	1,996	2,287	2,196	1,956	2,015	1,939
29	3,648	4,025	4,075	3,156	3,544	3,328
30	7,074	7,407	7,216	5,800	6,343	5,934
31	1,454	1,586	1,537	1,259	1,374	1,266
32	2,142	2,167	2,197	1,549	1,932	1,708
33	944	1,000	1,031	744	855	893
34	372	324	320	364	313	305
35	11,362	12,938	13,597	10,286	11,158	11,301
36	1,372	1,632	1,887	1,293	1,424	1,435
37	1,319	1,445	1,520	1,193	1,304	1,333
38	1,209	1,340	1,346	1,131	1,185	1,124
39	1,068	1,133	1,085	1,053	977	966
40	626	694	668	591	641	652
41	4,746	5,400	5,440	4,131	4,537	4,623
42	3,139	3,427	3,956	2,843	2,907	3,180
43	6,746	7,076	7,226	5,557	5,897	5,599
44	1,757	1,945	2,041	1,470	1,718	1,607
45	995	990	1,003	889	961	813

Note: The above figures do not include the applications and registrations of certification mark and collective membership mark.

2. Trademark Applications by Nationality in 2018 (By Case)

Nationality	Application	Percentage	Nationality	Application	Percentage
TAIWAN, REPUBLIC OF CHINA	59,840	70.55%	SEYCHELLES	44	0.05%
MAINLAND CHINA	5,770	6.80%	NORWAY	41	0.05%
JAPAN	4,728	5.57%	UNITED ARAB EMIRATES	40	0.05%
UNITED STATES OF AMERICA	4,187	4.94%	RUSSIAN FEDERATION	37	0.04%
HONG KONG	1,649	1.94%	MEXICO	29	0.03%
REPUBLIC OF KOREA	1,440	1.70%	CZECH REPUBLIC	28	0.03%
GERMANY	862	1.02%	TURKEY	28	0.03%
FRANCE	758	0.89%	ISRAEL	27	0.03%
UNITED KINGDOM	598	0.71%	MACAO	26	0.03%
SWITZERLAND	526	0.62%	BELIZE	25	0.03%
SINGAPORE	446	0.53%	INDIA	23	0.03%
ITALY	443	0.52%	PHILIPPINES	23	0.03%
CAYMAN ISLANDS	382	0.45%	POLAND	22	0.03%
MALAYSIA	292	0.34%	BERMUDA	17	0.02%
THAILAND	275	0.32%	ICELAND	17	0.02%
AUSTRALIA	261	0.31%	MALTA	17	0.02%
BRITISH VIRGIN ISLANDS	239	0.28%	BRAZIL	15	0.02%
CANADA	230	0.27%	MONACO	13	0.02%
NETHERLANDS	180	0.21%	MAURITIUS	12	0.01%
SPAIN	140	0.17%	BULGARIA	11	0.01%
SWEDEN	103	0.12%	BARBADOS	9	0.01%
SAMOA	101	0.12%	GREECE	9	0.01%
NEW ZEALAND	97	0.11%	PORTUGAL	9	0.01%
BELGIUM	92	0.11%	ANGUILLA	8	0.01%
INDONESIA	79	0.09%	SAUDI ARABIA	8	0.01%
DENMARK	67	0.08%	CHILE	7	0.01%
IRELAND	62	0.07%	CYPRUS	7	0.01%
FINLAND	61	0.07%	ARGENTINA	6	0.01%
LUXEMBOURG	56	0.07%	ESTONIA	6	0.01%
AUSTRIA	54	0.06%	ISLE OF MAN	6	0.01%
LIECHTENSTEIN	53	0.06%	OTHERS	122	0.14%
VIETNAM	53	0.06%			

	Subtotal	Ratio
Residents	59,840	70.55%
Non-Residents	24,976	29.45%
Total	84,816	100.00%

Note: 1. Receipt of applications for joint ownership of trademark began on July 13, 2006. The numbers in this table are counted by the number of applicants' nationalities.

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

3. Trademark Registrations by Nationality in 2018 (By Case)

Nationality	Registration	Percentage	Nationality	Registration	Percentage
TAIWAN, REPUBLIC OF CHINA	50,463	70.27%	AUSTRIA	58	0.08%
MAINLAND CHINA	4,661	6.49%	FINLAND	54	0.08%
JAPAN	3,759	5.23%	SEYCHELLES	53	0.07%
UNITED STATES OF AMERICA	3,536	4.92%	RUSSIAN FEDERATION	40	0.06%
HONG KONG	1,448	2.02%	BELIZE	35	0.05%
REPUBLIC OF KOREA	1,369	1.91%	NORWAY	34	0.05%
GERMANY	828	1.15%	UNITED ARAB EMIRATES	31	0.04%
FRANCE	581	0.81%	LIECHTENSTEIN	30	0.04%
SWITZERLAND	557	0.78%	PHILIPPINES	26	0.04%
UNITED KINGDOM	508	0.71%	TURKEY	25	0.03%
SINGAPORE	462	0.64%	VIETNAM	24	0.03%
ITALY	366	0.51%	POLAND	19	0.03%
CAYMAN ISLANDS	297	0.41%	PORTUGAL	19	0.03%
BRITISH VIRGIN ISLANDS	275	0.38%	BULGARIA	18	0.03%
AUSTRALIA	261	0.36%	MACAO	18	0.03%
THAILAND	252	0.35%	BERMUDA	13	0.02%
CANADA	181	0.25%	CZECH REPUBLIC	13	0.02%
MALAYSIA	176	0.25%	ICELAND	13	0.02%
NETHERLANDS	170	0.24%	MAURITIUS	13	0.02%
SWEDEN	118	0.16%	MEXICO	13	0.02%
NEW ZEALAND	114	0.16%	BRAZIL	10	0.01%
SPAIN	108	0.15%	CHILE	10	0.01%
SAMOA	101	0.14%	GREECE	9	0.01%
BELGIUM	91	0.13%	BARBADOS	8	0.01%
LUXEMBOURG	83	0.12%	HUNGARY	8	0.01%
INDIA	73	0.10%	EL SALVADOR	8	0.01%
DENMARK	68	0.09%	CYPRUS	6	0.01%
INDONESIA	61	0.08%	SOUTH AFRICA	6	0.01%
ISRAEL	60	0.08%	OTHERS	109	0.15%
IRELAND	59	0.08%			

	Subtotal	Ratio
Residents	50,463	70.27%
Non-Residents	21,346	29.73%
Total	71,809	100.00%

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

D. Statistics on Certification Mark and Collective Membership Mark

Year	Item	Certification Mark		Collective Membership Mark	
		Application	Registration	Application	Registration
2009		43	27	57	41
2010		33	39	83	55
2011		64	21	70	56
2012		37	42	71	39
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

III. Top 20 e-Filing and e-Delivery Patent and Trademark Attorneys and Agents in 2018

1. Top 20 e-Filing Attorneys and Agents in 2018

Patent			Trademark		
Ranking	Attorney/Agent	Rate of e-filing	Ranking	Attorney/Agent	Rate of e-filing
1	Lee and Li, Attorneys-at-Law	22.32%	1	Lee and Li, Attorneys-at-Law	11.62%
2	Jianq Chyun Intellectual Property Office	11.30%	2	Saint Island International Patent & Law Offices	8.90%
3	Taiwan International Patent & Law Office	9.35%	3	Tai E International Patent & Law Office	4.03%
4	TSAL, LEE & CHEN Patent Attorneys & Attorneys at Law	4.34%	4	Taiwan International Patent & Law Office	3.24%
5	Saint Island International Patent & Law Offices	4.07%	5	Baker & McKenzie	2.84%
6	Tai E International Patent & Law Office	3.12%	6	Peter J. Dernbach	2.80%
7	Top Team International Patent & Trademark Office	2.83%	7	Oger International Patent & Trademark Office	2.33%
8	AIPT Patent, Trademark & Law Office	2.10%	8	Jaw-Hwa International Patent & Trademark & Law Offices	1.75%
9	North America Union Patent & Trademark Office	1.89%	8	Asia Lih Intellectual Property Office	1.75%
10	Taiwan Advance Patent & Trademark Office	1.60%	10	Gold Keen Intellectual Property Office	1.56%
11	Wideband IP Office	1.46%	11	Long River International Patent, Trademark & Law Office	1.49%
12	JOU & JOU Patent Offices	1.35%	12	Show Brand Intellectual Property Office	1.31%
13	Hua Ding International Patent & Trademark & Law Joint Office	1.34%	13	World Patent & Trademark Law Office	1.30%
14	SUNDIAL Intellectual Property Law Firm	1.16%	14	AIPT Patent, Trademark & Law Office	1.29%
15	Taiwan Mastermind Intellectual Property Office	0.88%	15	Nan E International Patent & Trademark Office	1.20%
16	World Patent & Trademark Law Office	0.85%	16	Titan International Patent & Trademark Office	1.15%
17	Long River International Patent, Trademark & Law Office	0.81%	16	Taiwan Patent and Trademark Office	1.15%
18	ScienBiziP Law Offices of International Commerce	0.79%	18	Yong Hsin International Patent and Trademark Office	0.98%
19	Jaw-Hwa International Patent & Trademark & Law Offices	0.76%	18	FLYING Intellectual Property Law Office	0.98%
20	WISPRO Law Office Of International Commerce	0.75%	20	Five Continents International Patent & Trademark Office	0.91%

2. Top 20 e-Delivery Attorneys and Agents in 2018

Patent			Trademark		
Ranking	Attorney	Rate of e-Delivery	Ranking	Attorney	Rate of e-Delivery
1	Lee and Li, Attorneys-at-Law	13.84%	1	Saint Island International Patent & Law Offices	10.86%
2	Taiwan International Patent & Law Office	11.05%	2	Tai E International Patent & Law Office	9.77%
3	Saint Island International Patent & Law Offices	6.96%	3	Lee and Li, Attorneys-at-Law	8.28%
4	Jianq Chyun Intellectual Property Office	6.82%	4	Taiwan International Patent & Law Office	4.44%
5	Tai E International Patent & Law Office	5.46%	5	Baker & McKenzie	2.16%
6	TSAI, LEE & CHEN Patent Attorneys & Attorneys at Law	5.42%	6	Winkler Partners	2.12%
7	Top Team International Patent & Trademark Office	3.24%	7	TSAI, LEE & CHEN Patent Attorneys & Attorneys at Law	2.09%
8	Louis International Patent Office	2.71%	8	WENPING & CO. International Patent & Trademark Office	1.91%
9	Li & Cai Intellectual Property Office	2.06%	9	Union Patent Service Center	1.76%
10	WENPING & CO. International Patent & Trademark Office	1.94%	10	Jaw-Hwa International Patent & Trademark & Law Offices	1.69%
11	North America Union Patent & Trademark Office	1.53%	11	Asia Lih Intellectual Property Office	1.50%
12	AIPT Patent, Trademark & Law Office	1.42%	12	AIPT Patent, Trademark & Law Office	1.48%
13	Long River International Patent, Trademark & Law Office	1.33%	13	Long River International Patent, Trademark & Law Office	1.46%
14	Union Patent Service Center	1.26%	14	Nan E International Patent & Trademark Office	1.28%
15	JOU & JOU Patent Offices	1.25%	14	Taiwan Advance Patent & Trademark Office	1.28%
16	Tsar & Tsai Law Firm	1.08%	16	Tsar & Tsai Law Firm	1.24%
17	SUNDIAL Intellectual Property Law Firm	1.06%	17	Giant Group International Patent Trademark & Law Office	1.15%
18	Taiwan Advance Patent & Trademark Office	0.98%	18	Wanlin International Trademark Office	1.05%
19	Wideband IP Office	0.74%	19	Taiwan Patent and Trademark Office	1.00%
19	Giant Group International Patent Trademark & Law Office	0.74%	20	Mission International Patent & Trademark Office	0.95%