

2 Annual Statistics

I. Patent Applications Filed & Disposed

A. General Statistics on Patent Cases (2011-2020)

Year \ Item	Application	Approval	Certificate Issued	Grant
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
2019	74,652	0	57,887	57,886
2020	72,238	0	58,719	58,719

Reporting Date: January 11, 2021

Note: "Application" refers to the numbers of applications filed each individual calendar year. "Approval" refers the numbers of published approvals. This approval system was replaced by the patent grant system on July 1, 2004, which a certificate is approved and issued at the same time. "Certificate Issued" refers to the numbers of certificates being issued.

B. Statistics on Patent from 2011 to 2020

1. Patent Cases Filed & Disposed

Year \ Item	Application	Reexamination	Invalidation	Assignment	Licensing
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
2019	74,652	5,220	431	5,241	98
2020	72,238	6,500	467	6,221	140

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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
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
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

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Note: 1. "Rejection" refers to that rejections are rendered after the examination and reexamination process. "Grant" refers to the approved certificates are published and issued at the same time.

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

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
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
2019	17,580	109	16,300	1,189	1,291	264
2020	17,555	105	17,489	1,075	850	274

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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
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
2019	8,804	144	753	6,660	44
2020	8,019	217	1,043	7,419	41

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Note: "Rejection" refers to the counts of rejections rendered after the examination and reexamination process. "Grants" refers to the counts of approved patent certificates 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
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
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

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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

Item Year	Administrative Appeals					
	Cases Filed	Decisions of Administrative Appeals				
		Original Decisions Revoked	Others	Administrative Appeals Rejected	Other Disposals	Rate of Revocation
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%
2019	211	7	1	242	2	3.2%
2020	201	5	0	205	0	2.4%

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 Court

Item Year	Cases Received	Cases Concluded							
		Withdrawn	Plaintiff Won	Plaintiff Lost	Partially Sustained	Dismissals	Settlements	Others	Total
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
2019	95	3	22	77	3	2	0	0	107
2020	67	4	14	51	7	0	0	0	76

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. Resident and Non-Resident Patent Applications Filed

Item Year	Residents				Non-Residents			
	Invention	Utility Model	Design	Total	Invention	Utility Model	Design	Total
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
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

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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
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
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

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Note: "Grants" refer to the counts of approved patent certificates 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		
	2017	2018	2019	2018	2019	2020
A01	373	415	393	277	307	309
A21	30	40	29	11	24	20
A22	4	10	2	1	4	8
A23	263	276	323	165	211	218
A24	116	107	183	79	71	46
A41	62	69	86	40	45	69
A42	18	25	26	13	16	12
A43	135	110	73	141	98	75
A44	127	58	57	118	60	37
A45	104	100	100	79	69	56
A46	28	27	30	9	13	12
A47	616	643	551	419	435	460
A61	2,540	2,744	2,767	1,639	1,635	1,497
A62	73	70	49	37	60	37
A63	304	301	318	254	242	244
A99	1	1	0	0	0	0
B01	457	466	517	454	385	281
B02	13	8	20	9	11	16
B03	12	12	27	7	10	17
B04	3	5	6	3	3	10
B05	206	171	146	151	166	139
B06	2	5	13	4	2	7
B07	11	14	22	12	11	9
B08	105	101	92	47	97	80
B09	18	17	26	13	18	13
B21	125	103	99	148	127	64
B22	67	93	96	66	76	53
B23	490	497	529	488	418	301
B24	228	215	206	204	186	144
B25	392	402	483	352	296	346
B26	55	49	58	41	47	49

Classification	Application			Grant		
	2017	2018	2019	2018	2019	2020
B27	25	32	22	17	25	20
B28	31	24	19	39	27	28
B29	472	470	409	479	346	311
B30	10	6	10	11	5	3
B31	8	6	12	7	4	9
B32	680	689	777	534	567	449
B33	4	19	5	7	4	2
B41	169	155	158	188	202	137
B42	12	12	11	8	8	8
B43	32	21	19	20	18	20
B44	25	16	14	13	14	16
B60	413	534	424	346	320	281
B61	25	35	31	27	20	19
B62	477	492	422	415	385	371
B63	40	39	48	32	27	23
B64	41	31	34	45	19	21
B65	682	670	749	568	554	483
B66	50	51	50	70	50	38
B67	16	18	14	20	19	9
B68	1	1	0	1	0	0
B81	71	58	41	57	62	59
B82	47	32	28	45	37	31
C01	322	291	349	292	232	197
C02	161	142	151	112	94	86
C03	362	383	369	314	349	234
C04	141	150	161	86	110	116
C05	17	20	28	15	21	16
C06	1	2	1	0	2	0
C07	1,735	1,740	1,868	1,266	1,173	1,173
C08	1,945	2,004	2,070	1,344	1,331	1,123
C09	1,385	1,652	1,592	1,074	1,098	927
C10	57	67	37	53	53	44
C11	89	94	88	49	46	40

Classification	Application			Grant		
	2017	2018	2019	2018	2019	2020
C12	438	457	516	272	274	271
C13	5	1	2	2	3	1
C14	1	0	3	1	3	0
C21	52	63	51	51	78	53
C22	293	294	306	259	241	234
C23	671	662	783	551	553	541
C25	192	211	184	131	151	171
C30	98	93	117	90	93	70
C40	4	1	1	2	5	2
D01	72	97	82	75	55	65
D02	31	20	18	11	8	13
D03	33	46	26	36	21	16
D04	71	85	95	58	37	45
D05	47	44	53	48	32	38
D06	136	159	174	106	113	108
D07	2	0	1	1	2	0
D21	29	59	50	29	28	30
D99	0	0	0	0	0	0
E01	29	35	27	25	25	12
E02	42	38	40	41	31	18
E03	83	38	65	52	52	38
E04	188	189	213	119	144	148
E05	178	118	127	127	130	84
E06	116	99	73	94	107	66
E21	11	9	10	5	7	7
F01	62	40	40	57	44	30
F02	63	45	40	64	64	30
F03	115	129	129	64	67	70
F04	234	275	270	233	207	221
F15	32	25	38	28	23	33
F16	670	684	667	554	574	517
F17	21	18	28	27	15	14
F21	180	167	164	201	122	124

Classification	Application			Grant		
	2017	2018	2019	2018	2019	2020
F22	3	8	12	5	5	6
F23	61	59	57	61	42	43
F24	260	231	215	221	208	170
F25	92	88	72	84	70	51
F26	29	31	24	26	19	16
F27	24	33	25	45	28	22
F28	106	113	166	107	80	104
F41	25	36	36	26	28	29
F42	2	2	0	6	1	1
G01	1,782	2,007	2,052	1,606	1,504	1,379
G02	1,492	1,627	1,538	1,406	1,373	1,320
G03	1,091	999	1,053	963	849	932
G04	27	21	10	29	26	32
G05	343	317	308	210	290	248
G06	4,868	5,071	5,149	3,389	3,125	3,490
G07	66	62	85	62	45	40
G08	218	213	201	165	161	95
G09	475	556	566	445	404	535
G10	161	190	153	113	125	107
G11	679	610	660	618	554	658
G12	6	3	3	6	4	3
G16	14	127	185	3	27	83
G21	24	23	15	29	17	21
G99	0	0	0	0	0	0
H01	7,567	7,451	7,844	6,467	6,196	6,269
H02	983	1,027	944	770	868	860
H03	535	533	481	393	503	434
H04	2,935	3,270	3,164	1,721	1,970	2,062
H05	795	868	966	922	730	808
H99	0	0	0	0	0	0
X	736	542	553	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		
	2017	2018	2019	2018	2019	2020
A01	728	598	497	609	527	504
A21	64	59	49	64	46	57
A22	5	8	6	6	7	4
A23	158	149	169	153	141	154
A24	19	12	21	13	11	31
A41	241	262	192	261	189	221
A42	70	56	48	67	44	47
A43	221	181	160	196	150	147
A44	106	77	73	91	70	60
A45	505	419	393	446	354	387
A46	24	24	38	24	25	31
A47	1,547	1,331	1,403	1,399	1,315	1,280
A61	1,261	1,132	1,176	1,177	1,065	1,267
A62	124	122	102	121	104	244
A63	572	489	497	506	453	453
A99	2	2	0	0	0	1
B01	261	215	204	233	202	235
B02	19	7	22	16	13	20
B03	4	7	7	2	11	8
B04	5	1	9	3	7	4
B05	102	82	90	82	75	110
B06	0	8	1	6	2	1
B07	18	15	14	18	13	16
B08	50	63	45	59	50	47
B09	19	21	19	22	21	17
B21	95	69	74	75	66	78
B22	19	19	21	18	17	20
B23	387	340	327	373	313	361
B24	120	90	80	104	77	89
B25	341	348	276	337	285	291
B26	100	67	70	86	58	71
B27	40	39	36	37	35	25

Classification	Application			Grant		
	2017	2018	2019	2018	2019	2020
B28	10	10	19	12	13	15
B29	159	140	129	153	131	114
B30	10	7	16	7	14	10
B31	5	6	14	6	5	21
B32	142	125	132	123	126	119
B33	5	7	2	2	7	3
B41	70	60	53	70	48	48
B42	63	44	37	50	37	32
B43	76	56	48	68	45	42
B44	38	33	45	39	34	45
B60	537	542	442	517	452	418
B61	12	5	7	6	8	8
B62	562	430	435	475	381	476
B63	52	44	44	46	41	38
B64	22	20	33	24	25	23
B65	913	862	849	886	804	842
B66	90	77	76	75	69	92
B67	29	30	23	22	25	20
B68	0	1	0	0	1	2
B81	9	7	11	4	16	1
B82	3	1	1	2	0	1
C01	24	25	22	24	17	22
C02	105	89	77	101	73	73
C03	21	13	15	18	7	16
C04	4	3	13	2	13	5
C05	10	10	13	7	15	11
C06	0	0	0	0	0	0
C07	1	0	3	0	1	2
C08	8	13	11	11	8	12
C09	19	15	18	15	15	23
C10	6	7	8	3	8	8
C11	19	13	14	13	17	9
C12	31	23	34	24	33	36

Classification	Application			Grant		
	2017	2018	2019	2018	2019	2020
C13	0	0	0	0	0	0
C14	2	2	0	1	2	0
C21	21	18	12	20	12	11
C22	3	5	5	4	4	9
C23	16	15	19	18	13	21
C25	54	36	46	42	45	46
C30	10	4	2	4	3	2
C40	0	0	0	0	0	0
D01	9	14	19	13	16	17
D02	16	17	11	24	12	9
D03	42	30	31	38	25	33
D04	46	33	52	38	36	55
D05	41	44	34	46	37	24
D06	75	72	49	76	59	64
D07	7	4	2	5	5	3
D21	9	7	9	12	6	11
D99	0	0	0	0	0	0
E01	44	53	51	56	47	43
E02	50	49	44	52	43	43
E03	98	75	74	83	66	78
E04	376	330	371	350	322	375
E05	221	181	163	197	171	138
E06	213	162	153	193	134	174
E21	13	4	10	8	6	10
F01	49	35	42	44	38	27
F02	49	60	40	51	48	43
F03	99	97	81	98	72	79
F04	203	203	188	225	183	164
F15	15	18	11	19	14	11
F16	684	599	633	653	600	618
F17	21	26	17	24	20	11
F21	283	256	257	248	222	227
F22	4	3	5	1	2	5

Classification	Application			Grant		
	2017	2018	2019	2018	2019	2020
F23	62	69	62	80	72	59
F24	398	325	315	384	305	273
F25	53	45	54	40	49	46
F26	19	23	23	20	23	21
F27	11	9	16	12	10	23
F28	47	43	66	49	48	70
F41	58	72	57	80	45	55
F42	8	8	6	7	5	7
G01	423	481	436	466	432	452
G02	355	373	332	379	328	317
G03	130	109	91	129	85	91
G04	25	25	28	29	29	19
G05	57	82	57	68	70	58
G06	1,499	1,605	1,611	1,644	1,502	1,780
G07	61	83	63	85	59	67
G08	182	163	164	168	157	163
G09	168	163	163	161	149	192
G10	71	67	71	71	65	67
G11	39	48	38	46	48	36
G12	3	0	1	1	1	2
G16	0	25	80	5	63	81
G21	0	0	1	0	0	2
G99	0	1	0	0	0	1
H01	1,373	1,216	1,267	1,316	1,118	1,226
H02	400	444	395	426	406	364
H03	23	26	25	30	25	30
H04	387	329	332	343	314	315
H05	451	434	422	468	394	453
H99	0	0	0	0	0	0
X	191	160	210	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.

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

Classification	Application			Grant		
	2017	2018	2019	2018	2019	2020
01	40	46	68	25	30	26
02	358	327	324	343	268	254
03	265	210	213	217	182	155
04	74	56	59	60	50	68
05	52	65	48	44	59	30
06	426	353	412	350	292	302
07	380	428	395	311	338	312
08	341	376	426	360	285	376
09	483	519	509	494	413	462
10	221	208	307	189	228	258
11	266	194	318	224	188	278
12	813	831	897	840	646	831
13	507	507	771	477	400	639
14	1,006	1,128	1,018	870	914	900
15	494	405	422	441	327	349
16	255	239	246	221	204	241
17	9	14	15	13	15	6
18	37	25	23	30	22	30
19	94	90	85	100	65	83
20	27	23	49	26	37	31
21	257	263	328	259	254	211
22	41	61	37	55	51	31
23	419	381	485	419	352	412
24	176	179	203	149	177	185
25	139	184	146	136	117	131
26	434	482	438	450	393	428
27	11	17	38	6	21	11
28	301	268	310	279	226	273
29	20	20	25	22	12	33
30	55	50	56	50	44	32
31	39	38	62	27	50	41
32	0	0	0	0	0	0
X	80	95	71	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.

4. Counts of Invention Patent Applications Ranked by International Patent Classification (IPC) in 2019 (TOP 20)

Rank	IPC	IPC Subject	Total
1	H01L	Semiconductor devices; electric solid state devices not otherwise provided for	5,839
2	G06F	Electric digital data processing	2,785
3	A61K	Preparations for medical, dental, or toilet purposes	1,551
4	G06Q	Electronic commerce	1,389
5	H04W	Wireless communication networks	986
6	H04N	Pictorial communication	924
7	G02B	Optical elements, systems, or apparatus	920
8	C07D	Heterocyclic compounds	853
9	G03F	Photomechanical production of textured or patterned surfaces; materials therefor; originals therefor; apparatus specially adapted therefor; exposure apparatus	801
10	B32B	Layered products	777
11	H04L	Transmission of digital information	741
12	C23C	Coating metallic material; coating material with metallic material	729
13	G01N	Investigating or analysing materials by determining their chemical or physical properties	720
14	H05K	Printed circuits; casings or constructional details of electric apparatus; manufacture of assemblages of electrical components	682
15	C08G	Macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds	643
16	C09K	Materials for applications not otherwise provided for; applications of materials not otherwise provided for	635
17	C08L	Compositions of Macromolecular Compounds	598
17	G11C	Static stores	598
19	G02F	Liquid crystal display (LCD), electrophoresis display (EPD)	579
20	C09J	Adhesives; non-mechanical aspects of adhesive processes in general; adhesive processes not provided for elsewhere; use of materials as adhesives	532

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

2. Please refer to International Patent Classification version 2020.01 for detailed classification descriptions.

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 2019 (TOP 20)

Rank	IPC	IPC Subject	Total
1	G06Q	Electronic commerce	925
2	G06F	Electric digital data processing	531
3	B65D	Containers for storage or transport of articles or materials	508
4	H01R	Electrically-conductive connections	491
5	A47G	Household or table equipment	433
6	H05K	Printed circuits; casings or constructional details of electric apparatus; manufacture of assemblages of electrical components	376
7	H01L	Semiconductor devices; electric solid state devices not otherwise provided for	370
8	A47J	Kitchen equipment; coffee mills; spice mills; apparatus for making beverages	320
9	A63B	Apparatus for physical training, gymnastics, swimming, climbing, or fencing; ball games; training equipment	277
10	A01K	Animal husbandry; care of birds, fishes, insects; fishing; rearing or breeding animals, not otherwise provided for; new breeds of animals	255
11	A61H	Physical therapy apparatus	218
12	A61B	Diagnosis; surgery; identification	214
13	A47B	Tables; desks; office furniture; cabinets; drawers; general details of furniture	207
14	A47C	Chairs; sofas; beds	168
15	A61F	Filters implantable into blood vessels; prostheses; devices providing patency to, or preventing collapsing of, tubular structures of the body	167
16	B01D	Separation	163
16	B25B	Tools or bench devices	163
18	A45C	Purses; luggage; hand carried bags	157
19	F21V	Lighting devices	156
20	F16B	Devices for fastening or securing constructional elements or machine parts together	153

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

2. Please refer to International Patent Classification version 2020.01 for detailed classification descriptions.

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.

6. Counts of Design Patent Applications Ranked by International Classification for Industrial Designs (LOC) in 2019 (TOP 20)

Rank	LOC	LOC Subject	Total
1	12-16	Parts, equipment and accessories for vehicles, not included in other classes or subclasses	550
2	13-03	Equipment for distribution or control of electric power	443
3	14-02	Data processing equipment as well as peripheral apparatus and devices	360
4	26-06	Luminous devices for vehicles	297
5	28-03	Toilet articles and beauty parlor equipment	273
6	14-03	Communications equipment, wireless remote controls and radio amplifiers	256
7	02-04	Footwear, socks and stockings	226
8	14-04	Screen displays and icons	200
9	13-02	Power transformers, rectifiers, batteries and accumulators	197
10	23-01	Fluid distribution equipment	194
11	07-02	Cooking appliances, utensils and containers	192
12	03-01	Trunks, suitcases, briefcases, handbags, keyholders, cases specially designed for their contents, wallets and similar articles	186
12	06-04	Storage furniture	186
14	11-01	Jewellery	181
15	09-03	Boxes, cases, containers, (preserve) tins or cans	180
16	09-01	Bottles, flasks, pots, carboys, demijohns, and containers with dynamic dispensing means	175
17	21-01	Games and toys	166
18	23-04	Ventilation and air-conditioning equipment	164
19	16-06	Optical articles	159
20	14-01	Equipment for the recording or reproduction of sounds or pictures	145

Reporting Date: January 11, 2021

Note: 1. The table displays in descending order, which 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 11th edition.

7. Counts of Invention Patent Grants Ranked by International Patent Classification (IPC) in 2020 (TOP 20)

Rank	IPC	IPC Subject	Total
1	H01L	Semiconductor devices; electric solid state devices not otherwise provided for	4,600
2	G06F	Electric digital data processing	2,258
3	G02B	Optical elements, systems, or apparatus	731
4	G03F	Photomechanical production of textured or patterned surfaces; materials therefor; originals therefor; apparatus specially adapted therefor; exposure apparatus	683
5	G06Q	Electronic commerce	678
6	A61K	Preparations for medical, dental, or toilet purposes	639
7	G11C	Static stores	623
8	H04L	Transmission of digital information	586
8	H05K	Printed circuits; casings or constructional details of electric apparatus; manufacture of assemblages of electrical components	586
10	H04W	Wireless communication networks	566
11	C07D	Heterocyclic compounds	561
12	H04N	Pictorial communication	554
13	G02F	Liquid crystal display (LCD), electrophoresis display (EPD)	547
14	C23C	Coating metallic material; coating material with metallic material	505
15	G01N	Investigation or analysing materials by determining their chemical or physical properties	492
16	B32B	Layered products	449
17	G09G	Arrangements or circuits for control of indicating devices using static means to present variable information	426
18	C08L	Compositions of Macromolecular Compounds	424
19	G01R	Measuring electric variables; measuring magnetic variables	380
20	H01R	Electrically-conductive connections	368

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

2. Please refer to International Patent Classification version 2020.01 for detailed classification descriptions.

8. Counts of Utility Model Patent Grants Ranked by International Patent Classification (IPC) in 2020 (TOP 20)

Rank	IPC	IPC Subject	Total
1	G06Q	Electronic commerce	1,003
2	G06F	Electric digital data processing	582
3	B65D	Containers for storage or transport of articles or materials	500
4	H01R	Electrically-conductive connections	484
5	H05K	Printed circuits; casings or constructional details of electric apparatus; manufacture of assemblages of electrical components	390
6	H01L	Semiconductor devices; electric solid state devices not otherwise provided for	381
7	A47G	Household or table equipment	376
8	A47J	Kitchen equipment; coffee mills; spice mills; apparatus for making beverages	288
9	A63B	Apparatus for physical training, gymnastics, swimming, climbing, or fencing; ball games; training equipment	256
10	A01K	Animal husbandry; care of birds, fishes, insects; fishing; rearing or breeding animals, not otherwise provided for; new breeds of animals	241
11	A61B	Physical therapy apparatus	221
12	A62B	Devices, apparatus or methods for life-saving	216
13	A61H	Physical therapy apparatus	199
14	A47B	Tables; desks; office furniture; cabinets; drawers; general details of furniture	197
15	A61F	Filters implantable into blood vessels; prostheses; devices providing patency to, or preventing collapsing of, tubular structures of the body	183
15	B01D	Separation	183
17	B23Q	Details, components, or accessories for machine tools	174
18	B25B	Tools or bench devices	171
19	E06B	Fixed or movable closures for openings in buildings, vehicles, fences, or like enclosures, in general	167
20	A47C	Chairs; sofas; beds	165

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

2. Please refer to International Patent Classification version 2020.01 for detailed classification descriptions.

9. Counts of Design Patent Grants Ranked by International Classification for Industrial Design System (LOC) in 2020 (TOP 20)

Rank	LOC	LOC Subject	Total
1	12-16	Parts, equipment and accessories for vehicles, not included in other classes or subclasses	521
2	13-03	Equipment for distribution or control of electric power	369
3	14-02	Data processing equipment as well as peripheral apparatus and devices	314
4	26-06	Luminous devices for vehicles	294
5	28-03	Toilet articles and beauty parlor equipment	246
6	14-03	Communications equipment, wireless remote controls and radio amplifiers	226
7	14-04	Screen displays and icons	192
8	11-01	Jewellery	191
9	02-04	Footwear, socks and stockings	190
10	13-02	Power transformers, rectifiers, batteries and accumulators	188
11	09-01	Bottles, flasks, pots, carboys, demijohns, and containers with dynamic dispensing means	168
12	23-04	Ventilation and air-conditioning equipment	161
13	16-06	Optical articles	157
14	07-02	Cooking appliances, utensils and containers	146
14	09-03	Boxes, cases, containers, (preserve) tins or cans	146
16	23-01	Fluid distribution equipment	141
17	03-01	Trunks, suitcases, briefcases, handbags, keyholders, cases specially designed for their contents, wallets and similar articles	139
18	06-04	Storage furniture	124
19	08-05	Other tools and implements	116
20	12-11	Cycles and motorcycles	115

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

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

10. Statistics on Patent Applications by Nationality (2020)

Nationality	Application				
	Invention	Utility Model	Design	Total	Percentage
TAIWAN, REPUBLIC OF CHINA	19,012	16,445	3,947	39,404	54.55%
JAPAN	12,110	66	1,071	13,247	18.34%
UNITED STATES OF AMERICA	6,265	94	999	7,358	10.19%
MAINLAND CHINA	2,669	638	454	3,761	5.21%
REPUBLIC OF KOREA	1,731	10	141	1,882	2.61%
GERMANY	931	12	222	1,165	1.61%
SWITZERLAND	550	6	283	839	1.16%
NETHERLANDS	571	4	137	712	0.99%
FRANCE	275	5	239	519	0.72%
SINGAPORE	416	34	63	513	0.71%
HONG KONG	230	87	97	414	0.57%
UNITED KINGDOM	337	1	25	363	0.50%
CAYMAN ISLANDS	288	46	24	358	0.50%
SWEDEN	154	0	61	215	0.30%
ITALY	100	2	64	166	0.23%
ISRAEL	116	10	10	136	0.19%
CANADA	116	3	9	128	0.18%
AUSTRIA	107	11	8	126	0.17%
BELGIUM	83	1	27	111	0.15%
FINLAND	66	0	16	82	0.11%
DENMARK	67	0	7	74	0.10%
AUSTRALIA	41	3	21	65	0.09%
IRELAND	54	2	6	62	0.09%
BRITISH VIRGIN ISLANDS	34	15	8	57	0.08%
NEW ZEALAND	22	1	34	57	0.08%
INDIA	44	0	6	50	0.07%
SAMOA	24	18	4	46	0.06%

Nationality	Application				
	Invention	Utility Model	Design	Total	Percentage
SPAIN	32	0	2	34	0.05%
MALAYSIA	21	11	0	32	0.04%
ANTIGUA AND BARBUDA	19	0	0	19	0.03%
NORWAY	14	0	4	18	0.02%
LUXEMBOURG	17	0	0	17	0.02%
THAILAND	13	2	1	16	0.02%
SEYCHELLES	3	9	2	14	0.02%
LIECHTENSTEIN	13	0	0	13	0.02%
SLOVENIA	0	0	11	11	0.02%
BRAZIL	9	0	1	10	0.01%
CZECH REPUBLIC	7	2	1	10	0.01%
TURKEY	8	0	0	8	0.01%
MEXICO	6	0	1	7	0.01%
ANGUILLA	3	4	0	7	0.01%
RUSSIAN FEDERATION	5	1	0	6	0.01%
VIETNAM	4	2	0	6	0.01%
OTHERS	77	10	13	100	0.13%
TOTAL	46,664	17,555	8,019	72,238	100.00%

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

11. Statistics on Pre-Grant Publications by Nationality (2020)

Nationality	Pre-Grant Publication	Percentage	Nationality	Pre-Grant Publication	Percentage
TAIWAN, REPUBLIC OF CHINA	19,514	41.67%	SAMOA	47	0.10%
JAPAN	12,020	25.67%	INDIA	36	0.08%
UNITED STATES OF AMERICA	5,731	12.24%	SEYCHELLES	32	0.07%
MAINLAND CHINA	2,688	5.74%	IRELAND	29	0.06%
REPUBLIC OF KOREA	1,663	3.55%	MALAYSIA	28	0.06%
HONG KONG	999	2.13%	BRITISH VIRGIN ISLANDS	28	0.06%
GERMANY	916	1.96%	LIECHTENSTEIN	25	0.05%
NETHERLANDS	517	1.10%	NEW ZEALAND	25	0.05%
SWITZERLAND	406	0.87%	SPAIN	23	0.05%
SINGAPORE	353	0.75%	ANTIGUA AND BARBUDA	22	0.05%
UNITED KINGDOM	352	0.75%	LUXEMBOURG	13	0.03%
FRANCE	199	0.42%	THAILAND	12	0.03%
CAYMAN ISLANDS	154	0.33%	BERMUDA	10	0.02%
SWEDEN	150	0.32%	PORTUGAL	9	0.02%
AUSTRIA	110	0.23%	BRAZIL	8	0.02%
ITALY	95	0.20%	NORWAY	8	0.02%
BELGIUM	85	0.18%	RUSSIAN FEDERATION	7	0.01%
ISRAEL	80	0.17%	CZECH REPUBLIC	6	0.01%
CANADA	72	0.15%	HUNGARY	6	0.01%
DENMARK	55	0.12%	OTHERS	197	0.42%
FINLAND	54	0.12%	TOTAL	46,834	100.00%
AUSTRALIA	50	0.11%			

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

12. Statistics on Patent Grants by Nationality (2020)

Nationality	Number of Granted Patents				
	Invention	Utility Model	Design	Total	Percentage
TAIWAN, REPUBLIC OF CHINA	13,986	16,345	3,351	33,682	57.36%
JAPAN	8,674	74	1,120	9,868	16.81%
UNITED STATES OF AMERICA	4,099	151	778	5,028	8.56%
MAINLAND CHINA	1,837	601	368	2,806	4.78%
REPUBLIC OF KOREA	1,518	12	132	1,662	2.83%
GERMANY	760	7	216	983	1.67%
CAYMAN ISLANDS	712	38	39	789	1.34%
SWITZERLAND	246	0	284	530	0.90%
NETHERLANDS	382	10	101	493	0.84%
FRANCE	131	1	335	467	0.80%
HONG KONG	210	102	120	432	0.74%
SINGAPORE	283	40	66	389	0.66%
SWEDEN	131	1	186	318	0.54%
ITALY	99	1	115	215	0.37%
UNITED KINGDOM	185	6	16	207	0.35%
AUSTRIA	87	13	5	105	0.18%
AUSTRALIA	39	2	24	65	0.11%
ISRAEL	39	11	13	63	0.11%
BELGIUM	49	1	8	58	0.10%
FINLAND	38	0	18	56	0.10%
IRELAND	47	2	0	49	0.08%
CANADA	36	3	10	49	0.08%
DENMARK	28	0	15	43	0.07%
NEW ZEALAND	7	2	30	39	0.07%
SAMOA	24	11	0	35	0.06%
BRITISH VIRGIN ISLANDS	16	9	9	34	0.06%

Nationality	Number of Granted Patents				
	Invention	Utility Model	Design	Total	Percentage
MALAYSIA	16	13	2	31	0.05%
NORWAY	16	0	2	18	0.03%
LUXEMBOURG	16	0	1	17	0.03%
SPAIN	14	1	1	16	0.03%
THAILAND	7	7	2	16	0.03%
INDIA	13	0	1	14	0.02%
BARBADOS	7	3	4	14	0.02%
MACAO	5	1	8	14	0.02%
BERMUDA	10	0	1	11	0.02%
SLOVENIA	0	0	11	11	0.02%
HUNGARY	4	1	4	9	0.02%
LIECHTENSTEIN	4	0	4	8	0.01%
RUSSIAN FEDERATION	4	1	1	6	0.01%
SEYCHELLES	2	4	0	6	0.01%
GREECE	0	0	6	6	0.01%
OTHERS	30	15	12	57	0.10%
TOTAL	33,811	17,489	7,419	58,719	100.00%

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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 2020 (Top 20)

Rank	Applicant	Number of Applications			
		Invention	Utility Model	Design	Total
1	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY LTD.	1,096	0	0	1,096
2	ACER INCORPORATED	334	85	104	523
3	AU OPTRONICS CORPORATION	439	3	24	466
4	REALTEK SEMICONDUCTOR CORPORATION	412	0	8	420
5	INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE	337	13	2	352
6	MEDIATEK INC.	322	8	0	330
7	INVENTEC CORPORATION	236	0	0	236
8	HON HAI PRECISION INDUSTRY CO., LTD.	219	5	7	231
9	COMPAL ELECTRONICS, INC.	144	18	47	209
10	TAIPEI CHENGSHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY	7	174	0	181
11	CHINA STEEL CORPORATION	102	78	0	180
12	FAR-EAST-UNIVERSITY	52	126	0	178
13	DELTA ELECTRONICS, INC.	138	24	11	173
14	CHUNGHWA TELECOM CO., LTD.	161	2	0	163
15	QUANTA COMPUTER INC.	68	74	17	159
16	WINBOND ELECTRONICS CORP.	151	0	0	151
17	ASUSTEK COMPUTER INC.	71	68	2	141
18	NANYA TECHNOLOGY CORPORATION	134	0	0	134
19	LAND BANK OF TAIWAN	42	90	1	133
20	NATIONAL CHENG KUNG UNIVERSITY	109	20	1	130

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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 2020 (Top 20)

Rank	Applicant	Number of Grants			
		Invention	Utility Model	Design	Total
1	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY LTD.	680	0	0	680
2	AU OPTRONICS CORPORATION	545	3	9	557
3	ACER INCORPORATED	234	98	56	388
4	INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE	287	10	3	300
5	MEDIATEK INC.	280	11	0	291
6	REALTEK SEMICONDUCTOR CORPORATION	255	0	0	255
7	FAR-EAST-UNIVERSITY	30	170	0	200
8	HON HAI PRECISION INDUSTRY CO., LTD.	174	16	7	197
9	CHINA STEEL CORPORATION	90	89	0	179
10	COMPAL ELECTRONICS, INC.	77	12	83	172
11	WISTRON CORPORATION	130	34	5	169
12	QUANTA COMPUTER INC.	93	35	27	155
13	CHUNGHWA TELECOM CO., LTD.	153	1	0	154
14	INVENTEC CORPORATION	153	0	0	153
14	DELTA ELECTRONICS, INC.	123	22	8	153
16	ASUSTEK COMPUTER INC.	66	66	7	139
17	WINBOND ELECTRONICS CORP.	138	0	0	138
18	TAIPEI CHENGSHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY	2	128	0	130
19	BANK OF TAIWAN	13	105	4	122
20	VANUNG UNIVERSITY	2	94	16	112

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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 2020 (Top 20)

Rank	Applicant	Number of Applications			
		Invention	Utility Model	Design	Total
1	QUALCOMM INCORPORATED	720	0	0	720
2	APPLIED MATERIALS, INC.	615	6	31	652
3	NITTO DENKO CORPORATION	461	0	0	461
4	TOKYO ELECTRON LIMITED	435	1	24	460
5	KIOXIA CORPORATION	337	0	1	338
6	DISCO CORPORATION	291	0	0	291
7	SUMITOMO CHEMICAL CO., LTD.	266	0	0	266
8	SAMSUNG ELECTRONICS CO., LTD.	247	0	15	262
9	FUJIFILM CORPORATION	259	0	0	259
10	FORD GLOBAL TECHNOLOGIES, LLC	0	0	243	243
11	ASML NETHERLANDS B.V.	239	1	0	240
12	SHIN-ETSU CHEMICAL CO., LTD.	207	0	0	207
13	INTEL CORPORATION	205	0	0	205
14	SEMICONDUCTOR ENERGY LABORATORY CO., LTD.	204	0	0	204
15	MITSUBISHI ELECTRIC CORPORATION	162	0	32	194
16	PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.	161	1	28	190
17	CORNING INCORPORATED	187	0	0	187
18	LG CHEM, LTD.	178	0	1	179
19	LAM RESEARCH CORPORATION	159	6	2	167
20	YANGTZE MEMORY TECHNOLOGIES CO., LTD.	166	0	0	166

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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 2020 (Top 20)

Rank	Applicant	Number of Grants			
		Invention	Utility Model	Design	Total
1	ADVANCED NEW TECHNOLOGIES CO., LTD.	561	0	27	588
2	APPLIED MATERIALS, INC.	361	21	6	388
3	SEMICONDUCTOR ENERGY LABORATORY CO., LTD.	295	0	0	295
4	SAMSUNG ELECTRONICS CO., LTD.	281	0	11	292
5	QUALCOMM INCORPORATED	290	0	0	290
6	TOSHIBA MEMORY CORPORATION	264	0	0	264
7	INTEL CORPORATION	233	0	0	233
8	TOKYO ELECTRON LIMITED	196	1	1	198
9	LG CHEM, LTD.	193	0	0	193
10	NITTO DENKO CORPORATION	178	0	1	179
11	RENAULT S.A.S.	0	0	178	178
12	SCREEN HOLDINGS CO., LTD.	175	0	0	175
12	SHIMANO INC.	160	3	12	175
14	ASML NETHERLANDS B.V.	166	1	0	167
15	APPLE INC.	89	0	75	164
16	FORD GLOBAL TECHNOLOGIES, LLC	0	0	157	157
17	MICRON TECHNOLOGY, INC.	156	0	0	156
17	FUJIFILM CORPORATION	153	0	3	156
19	SHIN-ETSU CHEMICAL CO., LTD.	148	0	0	148
20	MITSUBISHI ELECTRIC CORPORATION	103	0	42	145

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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 2020

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)	145	485	109	13	752	1.47%
Foods & Tobacco	A21-A24	120	228	172	18	538	1.05%
Domestic Articles	A41-A47	422	2,062	299	111	2,894	5.64%
Pharmaceutical & Entertainment	A61-A63, (exclude A61K,&A61P,A61Q)	713	1,808	422	77	3,020	5.89%
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	242	60	502	2	806	1.57%
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	175	75	359	2	611	1.19%
Separation & Mixing	B01-B09	206	435	366	23	1,030	2.01%
Working of Metal	B21-B32, (exclude B31)	677	1,147	1,091	46	2,961	5.77%
Printing	B41-B44	60	163	121	4	348	0.68%
Transporting	B60-B68	604	1,823	641	96	3,164	6.17%
Micro-structural technology; nano-technology	B81-B82	40	2	50	0	92	0.18%
Inorganic Chemistry, Treatment of Waste Water	C01-C05,C30	173	118	546	11	848	1.65%
Organic Chemistry	C07, (exclude C07K,C07M)	86	1	857	0	944	1.84%
Organic Macromolecular Compound	C08	163	10	960	2	1,135	2.21%
Dyes, Petroleum, Animal or Vegetable Oils	C09-C11	134	34	877	6	1,051	2.05%
Sugar Industries & Pelts/Leather	C13-C14	0	0	1	0	1	0.00%
Metallurgy, Coating Metallic Material & Alloys	C21-C23,C25 (exclude C22K)	185	71	814	16	1,086	2.12%
Textiles & Flexible Materials	D01-D07	128	185	157	20	490	0.96%
Paper Making & Making Paper Articles	D21,B31	8	29	31	3	71	0.14%

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	234	827	132	24	1,217	2.37%
Mining or Quarrying	E21	3	9	4	1	17	0.03%
Engines and Pumps	F01-F04	198	298	153	15	664	1.29%
Hydraulics or Pneumatics in General	F15-F17	247	620	317	20	1,204	2.35%
Lighting; Heating	F21-F28	290	682	246	42	1,260	2.46%
Weapons; Explosive Charges	F41-F42,C06	16	59	14	3	92	0.18%
Optics	G01-G03, (exclude G01N33)	1,439	779	2,111	64	4,393	8.56%
Measuring	G04-G08, (exclude G06F,G06Q)	498	456	439	27	1,420	2.77%
Semi-Conductor Applications	G09-G12	687	275	616	22	1,600	3.12%
Nuclear Engineering	G21	1	2	20	0	23	0.04%
Electric Power; Generation, Distribution or Conversion of Electric Power, Electric Heating	H02,H05	1,000	721	668	96	2,485	4.84%
Basic Electronic Elements	01, (exclude H01L)	682	657	987	188	2,514	4.90%
Semiconductor Devices	H01L	1,668	288	2,932	93	4,981	9.71%
Basic Electronic Circuitry; Electric Communication Technique	H03,H04	1,088	320	1,408	25	2,841	5.54%
Electric Digital Data Processing	G06F (exclude 17/60)	1,177	523	1,081	59	2,840	5.54%
E-business	G06F17/60,G06Q	404	993	274	10	1,681	3.28%
Others		73	100	48	5	226	0.44%
Total		13,986	16,345	19,825	1,144	51,300	100.00%

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18. Statistics on Valid Patents

Invention & Utility Model

Classification	Invention	Utility Model
A01	2,193	2,684
A21	142	294
A22	24	30
A23	1,408	702
A24	344	62
A41	309	1,077
A42	80	237
A43	548	926
A44	858	419
A45	410	1,899
A46	71	115
A47	2,524	6,580
A61	12,997	6,084
A62	267	676
A63	1,874	2,427
A99	0	1
B01	3,376	1,314
B02	122	115
B03	86	43
B04	51	24
B05	1,494	568
B06	26	12
B07	90	90
B08	534	259
B09	130	80
B21	1,042	478
B22	611	110
B23	3,535	2,185
B24	1,654	586
B25	2,833	1,960
B26	418	438
B27	146	181
B28	176	67
B29	2,786	898

Classification	Invention	Utility Model
B30	100	96
B31	57	67
B32	3,563	696
B33	15	16
B41	1,597	428
B42	76	233
B43	156	259
B44	144	175
B60	2,402	2,690
B61	206	43
B62	3,158	2,645
B63	243	191
B64	137	92
B65	4,488	4,371
B66	405	441
B67	116	110
B68	6	5
B81	426	18
B82	373	6
C01	2,108	91
C02	869	437
C03	2,262	118
C04	974	31
C05	96	52
C06	6	3
C07	8,856	4
C08	11,675	47
C09	8,466	96
C10	534	30
C11	497	65
C12	2,123	180
C13	8	0
C14	16	3
C21	490	49

Classification	Invention	Utility Model
C22	2,174	25
C23	4,893	137
C25	1,411	281
C30	811	37
C40	17	0
D01	601	92
D02	93	72
D03	212	154
D04	441	296
D05	466	223
D06	824	350
D07	14	23
D21	243	47
D99	1	0
E01	143	207
E02	268	249
E03	298	402
E04	1,009	1,808
E05	918	1,079
E06	604	1,077
E21	71	51
F01	340	186
F02	509	309
F03	424	346
F04	1,685	1,020
F15	190	65
F16	5,050	3,883
F17	180	95
F21	1,535	1,395
F22	45	26
F23	515	369

Classification	Invention	Utility Model
F24	1,399	1,726
F25	628	292
F26	134	128
F27	242	86
F28	752	301
F41	230	369
F42	24	31
G01	13,401	2,375
G02	15,617	2,065
G03	9,492	544
G04	201	105
G05	2,630	317
G06	31,211	7,852
G07	408	275
G08	1,086	738
G09	6,746	791
G10	1,234	333
G11	7,178	330
G12	40	10
G16	106	142
G21	262	3
G99	1	1
H01	68,299	8,976
H02	8,335	2,156
H03	5,469	133
H04	22,971	1,950
H05	9,882	3,062
H99	1	0
Total	333,771	96,804

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Note: Counts of valid patents are calculated based on existing patents as of December 31, 2020.

Design

Classification	Design
01	196
02	1,725
03	1,078
04	361
05	298
06	1,920
07	2,026
08	2,429
09	3,144
10	1,614
11	1,397
12	6,032
13	3,554
14	5,534
15	2,835
16	1,552
17	63
18	152
19	612
20	223

Classification	Design
21	1,447
22	305
23	2,631
24	1,237
25	915
26	2,695
27	95
28	1,439
29	124
30	205
31	300
99	11
Total	48,149

Data Collection Date: January 11, 2021

Note: Counts of valid patents are calculated based on existing patents as of December 31, 2020.

19. Statistics on Pending Patent Applications for Examination (2011~2020)

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		
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
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

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Note: 1. According to the Patent Act, which took effect on July 1, 2004, utility model patent applications shall be subjected to formality examination and technical evaluation reports thereof shall be submitted afterwards.

2. The above statistics exclude the number of applications not requesting 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; 2019: 9,261; 2020: 8,007).

3. Some data on new applications were collected via E-filing, which was launched in April 2008. Given varying operation procedures, there is a slight difference in the 2008 data on pending cases.

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
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%	40,965	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%	1,731	3.75%	41,387	89.73%
2018	47,429	27,177	57.30%	1,251	2.64%	2,633	5.55%	1,199	2.53%	32,260	68.02%
2019	48,268	27,736	57.46%	809	1.68%	200	0.41%	1,041	2.16%	29,786	61.71%
2020	46,664	26,548	56.89%	378	0.81%	164	0.35%	1,151	2.47%	28,241	60.52%

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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
2011	144	120
2012	159	124
2013	146	83
2014	87	195
2015	113	120
2016	114	133
2017	58	68
2018	95	96
2019	118	86
2020	75	101

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II. Trademark Cases Filed & Disposed

A. General Statistics on Trademark Cases (2011-2020)

Year	Item	Application	Registration		Rejection	
		Cases	Cases	Percentage	Cases	Percentage
2011		67,620	48,315	71.45%	6,480	9.58%
2012		74,357	61,918	83.27%	8,724	11.73%
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%

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 2011 to 2020

1. Trademark Applications

Year \ Item	Application		Opposition	Invalidation	Revocation
	By case	By class			
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
2019	86,794	111,681	664	192	642
2020	94,089	119,660	784	162	832

Year \ Item	Renewal	License	Assignment	Alteration
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
2019	45,524	1,202	10,596	9,291
2020	48,129	782	9,885	10,289

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

Item Year	Sustained		Denied		Partially Sustained		Others	
	Cases	Percentage	Cases	Percentage	Cases	Percentage	Cases	Percentage
2011	436	53.17%	124	15.12%	80	9.76%	180	21.95%
2012	324	43.14%	177	23.57%	42	5.59%	208	27.70%
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%

Note: 1. The chart 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 total disposals as the denominator, "Sustained", "Denied", "Partially Sustained" and "Others" as the numerators.

3. Trademark Invalidation

Item Year	Sustained		Denied		Partially Sustained		Others	
	Cases	Percentage	Cases	Percentage	Cases	Percentage	Cases	Percentage
2011	194	53.01%	50	13.66%	37	10.11%	85	23.22%
2012	130	39.51%	70	21.28%	15	4.56%	114	34.65%
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%

Note: 1. The chart 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 total disposals as the denominator, "Sustained", "Denied", "Partially Sustained" and "Others" as the numerators.

4. Trademark Revocation (Cancellation)

Item Year	Sustained		Denied		Partially Sustained		Others	
	Cases	Percentage	Cases	Percentage	Cases	Percentage	Cases	Percentage
2011	310	68.13%	33	7.25%	39	8.57%	73	16.04%
2012	343	68.60%	41	8.20%	46	9.20%	70	14.00%
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%

Note: 1. The chart 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 total disposals as the denominator, "Sustained", "Denied", "Partially Sustained" and "Others" as the numerators.

5. Trademark Administrative Appeals

Item Year	Administrative Appeals					
	Cases Filed	Decisions on Administrative Appeals				
		Original Decisions Revoked	Administrative Appeals Rejected	Others	Other Concluded Cases	Rate of Revocation
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%
2019	636	16	636	8	3	3.62%
2020	535	14	578	7	3	3.49%

Note: 1. The counts above are based on the numbers 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" column refers to administrative appeals that are partially rejected and partially revoked.

6. Trademark Administrative Litigation Processed by the Intellectual Property Court

Item Year	Cases Received	Cases Concluded							
		Withdrawn	Plaintiff Won	Plaintiff Lost	Partially Sustained	Dismissals	Settlements	Others	Total
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
2019	152	10	29	96	5	5	3	0	148
2020	130	10	12	104	4	6	4	0	140

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 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)

Item Year	Cases	
	Residents	Non-Residents
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
2019	61,928	24,866
2020	72,170	21,919

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
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
2019		48,921	21,864
2020		56,736	22,113

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		
	2018	2019	2020	2018	2019	2020
Total	109,979	111,588	119,567	93,974	93,419	100,371
1	1,342	1,343	1,436	1,340	1,135	1,258
2	325	355	297	348	298	332
3	7,079	6,754	7,212	5,483	5,761	5,656
4	470	472	528	476	404	415
5	6,781	7,167	8,550	5,519	5,535	6,902
6	949	873	868	873	899	841
7	2,140	2,217	2,061	2,110	1,969	1,989
8	662	717	639	689	657	620
9	8,583	8,635	8,631	7,934	7,327	7,350
10	1,845	1,994	2,584	1,545	1,612	1,840
11	1,922	1,895	1,947	2,018	1,679	1,716
12	1,613	1,452	1,555	1,581	1,395	1,291
13	79	75	44	77	84	46
14	1,393	1,355	1,242	1,273	1,262	1,077
15	156	155	143	140	177	122
16	2,860	2,795	3,132	2,729	2,531	2,568
17	553	506	620	548	534	555
18	2,166	2,210	2,172	1,901	1,871	1,898
19	506	444	403	457	440	396
20	1,652	1,534	1,590	1,411	1,432	1,415
21	2,182	2,236	2,435	2,107	2,016	1,989
22	225	182	223	213	187	190
23	100	94	83	87	93	86
24	1,096	1,035	1,231	912	941	963
25	4,358	4,631	4,493	3,657	3,685	3,838
26	334	348	389	313	342	329
27	267	211	271	227	245	199
28	2,196	2,163	2,245	1,939	1,975	1,865
29	4,075	4,185	4,794	3,328	3,170	3,800
30	7,216	7,462	8,359	5,934	5,528	6,752

Class	Application			Registration		
	2018	2019	2020	2018	2019	2020
31	1,537	1,501	1,799	1,266	1,230	1,446
32	2,197	2,238	2,120	1,708	1,733	1,809
33	1,031	1,068	923	893	797	903
34	320	415	272	305	294	323
35	13,597	13,939	15,664	11,301	11,809	13,111
36	1,887	1,767	1,865	1,435	1,625	1,703
37	1,520	1,613	1,771	1,333	1,377	1,604
38	1,346	1,314	1,220	1,124	1,221	1,158
39	1,085	1,115	1,093	966	1,021	1,015
40	668	639	726	652	636	621
41	5,440	5,834	6,314	4,623	4,731	5,402
42	3,956	3,952	4,217	3,180	3,436	3,606
43	7,226	7,349	7,826	5,599	5,679	6,393
44	2,041	2,265	2,447	1,607	1,783	1,945
45	1,003	1,084	1,133	813	863	1,034

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

2. Statistics on Trademark Applications by Nationality in 2020 (By Case)

Nationality	Application	Percentage	Nationality	Application	Percentage
TAIWAN, REPUBLIC OF CHINA	72,170	76.70%	BELIZE	35	0.04%
MAINLAND CHINA	4,575	4.86%	INDIA	30	0.03%
JAPAN	4,013	4.27%	UNITED ARAB EMIRATES	28	0.03%
UNITED STATES OF AMERICA	3,814	4.05%	PHILIPPINES	27	0.03%
HONG KONG	1,577	1.68%	TURKEY	27	0.03%
REPUBLIC OF KOREA	1,541	1.64%	BULGARIA	26	0.03%
GERMANY	796	0.85%	PORTUGAL	23	0.02%
FRANCE	609	0.65%	BERMUDA	21	0.02%
SWITZERLAND	538	0.57%	POLAND	19	0.02%
UNITED KINGDOM	451	0.48%	BRAZIL	18	0.02%
SINGAPORE	428	0.45%	SOUTH AFRICA	18	0.02%
ITALY	414	0.44%	MACAO	17	0.02%
BRITISH VIRGIN ISLANDS	383	0.41%	RUSSIAN FEDERATION	16	0.02%
CAYMAN ISLANDS	257	0.27%	MEXICO	13	0.01%
AUSTRALIA	253	0.27%	SAUDI ARABIA	13	0.01%
CANADA	201	0.21%	MONACO	12	0.01%
NETHERLANDS	201	0.21%	CHILE	11	0.01%
SPAIN	175	0.19%	LIECHTENSTEIN	11	0.01%
SWEDEN	156	0.17%	ARGENTINA	8	0.01%
MALAYSIA	143	0.15%	GREECE	8	0.01%
THAILAND	98	0.10%	ANGUILLA	7	0.01%
DENMARK	92	0.10%	LITHUANIA	7	0.01%
NEW ZEALAND	88	0.09%	MAURITIUS	7	0.01%
BELGIUM	79	0.08%	CYPRUS	6	0.01%
IRELAND	72	0.08%	MALTA	6	0.01%
VIETNAM	62	0.07%	SLOVAKIA	6	0.01%
SAMOA	59	0.06%	CZECH REPUBLIC	5	0.01%
INDONESIA	51	0.05%	ESTONIA	5	0.01%
NORWAY	50	0.05%	HUNGARY	5	0.01%
LUXEMBOURG	47	0.05%	IRAQ	5	0.01%
SEYCHELLES	46	0.05%	ICELAND	5	0.01%
ISRAEL	42	0.04%	PERU	5	0.01%
AUSTRIA	40	0.04%	OTHERS	78	0.08%
FINLAND	40	0.04%			

	Subtotal	Ratio
Residents	72,170	76.70%
Non-Residents	21,919	23.30%
Total	94,089	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 2020 (By Case)

Nationality	Registration	Percentage	Nationality	Registration	Percentage
TAIWAN, REPUBLIC OF CHINA	56,736	71.96%	NORWAY	44	0.06%
MAINLAND CHINA	5,190	6.58%	RUSSIAN FEDERATION	44	0.06%
JAPAN	4,115	5.22%	FINLAND	41	0.05%
UNITED STATES OF AMERICA	3,238	4.11%	GREECE	38	0.05%
HONG KONG	1,537	1.95%	LIECHTENSTEIN	35	0.04%
REPUBLIC OF KOREA	1,528	1.94%	SEYCHELLES	35	0.04%
GERMANY	757	0.96%	ISREAL	34	0.04%
FRANCE	609	0.77%	UNITED ARAB EMIRATES	33	0.04%
SWITZERLAND	593	0.75%	LUXEMBOURG	31	0.04%
UNITED KINGDOM	529	0.67%	BULGARIA	29	0.04%
ITALY	436	0.55%	PHILIPPINES	29	0.04%
SINGAPORE	399	0.51%	INDIA	28	0.04%
CAYMAN ISLANDS	314	0.40%	POLAND	28	0.04%
BRITISH VIRGIN ISLANDS	308	0.39%	CZECH REPUBLIC	21	0.03%
AUSTRALIA	209	0.27%	BRAZIL	19	0.02%
NETHERLANDS	190	0.24%	BELIZE	19	0.02%
CANADA	172	0.22%	PORTUGAL	19	0.02%
SPAIN	158	0.20%	TURKEY	17	0.02%
THAILAND	143	0.18%	SOUTH AFRICA	17	0.02%
MALAYSIA	137	0.17%	MEXICO	16	0.02%
SWEDEN	131	0.17%	BERMUDA	15	0.02%
NEW ZEALAND	88	0.11%	CHILE	15	0.02%
SAMOA	86	0.11%	ARGENTINA	10	0.01%
DENMARK	78	0.10%	CYPRUS	9	0.01%
MACAO	78	0.10%	MONACO	8	0.01%
ANGUILLA	68	0.09%	LATVIA	7	0.01%
IRELAND	61	0.08%	HUNGARY	6	0.01%
AUSTRIA	60	0.08%	DOMINICAN REPUBLIC	5	0.01%
INDONESIA	60	0.08%	IRAQ	5	0.01%
BELGIUM	56	0.07%	ICELAND	5	0.01%
VIETNAM	45	0.06%	OTHERS	78	0.10%

	Subtotal	Ratio
Residents	56,736	71.96%
Non-Residents	22,113	28.04%
Total	78,849	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
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
2019	40	44	53	37
2020	47	34	46	39

III. Top 20 e-Filing and e-Delivery Patent and Trademark Attorneys in 2020

1. Top 20 e-Filing Attorney Offices in 2020

Patent			Trademark		
Ranking	Attorney Offices	Rate of e-filing	Ranking	Attorney Offices	Rate of e-filing
1	Lee and Li, Attorneys-at-Law	15.54%	1	Saint Island International Patent & Law Offices	9.34%
2	Jianq Chyun Intellectual Property Office	9.06%	2	Lee and Li, Attorneys-at-Law	8.39%
3	Saint Island International Patent & Law Offices	7.09%	3	Tai E International Patent & Law Office	6.54%
4	Taiwan International Patent & Law Office	7.00%	4	Taiwan International Patent & Law Office	2.96%
5	Tai E International Patent & Law Office	6.85%	5	Gold Keen Intellectual Property Office	2.40%
6	TSAI, LEE & CHEN Patent Attorneys & Attorneys at Law	5.97%	6	Baker & McKenzie	1.96%
7	Top Team International Patent & Trademark Office	5.06%	7	Winkler Partners Attorneys at Law of Taiwan	1.90%
8	Li & Cai Intellectual Property Office	2.70%	8	Oger International Patent & Trademark Office	1.80%
9	North America Union Patent & Trademark Office	1.59%	9	Asia Lihui Intellectual Property Office	1.59%
10	Wideband IP Office	1.32%	10	Giant Group International Patent, Trademark & Law Office	1.43%
11	JOU & JOU Patent Offices	1.27%	11	Show Brand Intellectual Property Office	1.33%
12	Taiwan Advance Patent & Trademark Office	1.04%	12	World Patent & Trademark Law Office	1.28%
13	ScienBiziP Law Offices of International Commerce	1.03%	13	Union Patent Service Center	1.17%
14	SUNDIAL Intellectual Property Law Firm	0.96%	14	Long River International Patent, Trademark & Law Office	1.10%
14	Hua Ding International Patent & Trademark & Law Joint Office	0.96%	15	Titan International Patent & Trademark Office	1.08%
16	Giant Group International Patent, Trademark & Law Office	0.89%	16	Jaw-Hwa International Patent & Trademark & Law Offices	1.06%
17	Louis International Patent Office	0.85%	16	FLYING Intellectual Property Law Office	1.04%
18	Long River International Patent, Trademark & Law Office	0.77%	18	Nan E International Intellectual Property Office	0.94%
19	AIPT International Patent Office	0.76%	19	Asian Pacific	0.93%
20	WENPING & CO. International Patent & Trademark Office	0.74%	20	Yong Hsin International Patent and Trademark Office	0.89%

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 e-Delivery Attorney Offices in 2020

Patent			Trademark		
Ranking	Attorney Offices	Rate of e-Delivery	Ranking	Attorney Offices	Rate of e-Delivery
1	Lee and Li, Attorneys-at-Law	13.47%	1	Saint Island International Patent & Law Offices	9.68%
2	Taiwan International Patent & Law Office	10.47%	2	Tai E International Patent & Law Office	8.94%
3	Jianq Chyun Intellectual Property Office	7.37%	3	Lee and Li, Attorneys-at-Law	6.68%
4	Saint Island International Patent & Law Offices	6.58%	4	Taiwan International Patent & Law Office	3.54%
5	TSAL, LEE & CHEN Patent Attorneys & Attorneys at Law	5.67%	5	TSAL, LEE & CHEN Patent Attorneys & Attorneys at Law	1.74%
6	Tai E International Patent & Law Office	5.14%	6	Asia Lih Intellectual Property Office	1.61%
7	Top Team International Patent & Trademark Office	3.46%	7	Winkler Partners Attorneys at Law of Taiwan	1.58%
8	Louis International Patent Office	2.43%	8	Baker & McKenzie	1.50%
9	Li & Cai Intellectual Property Office	2.11%	9	WENPING & CO. International Patent & Trademark Office	1.37%
10	Long River International Patent, Trademark & Law Office	1.88%	10	Giant Group International Patent, Trademark & Law Office	1.33%
11	North America Union Patent & Trademark Office	1.57%	11	Union Patent Service Center	1.32%
12	WENPING & CO. International Patent & Trademark Office	1.53%	12	Taiwan Advance Patent & Trademark Office	1.29%
13	AIPT International Patent Office	1.11%	13	Jaw-Hwa International Patent & Trademark & Law Offices	1.26%
14	JOU & JOU Patent Offices	1.08%	14	Long River International Patent, Trademark & Law Office	1.17%
15	Union Patent Service Center	1.06%	15	Nan E International Intellectual Property Office	1.07%
16	Wideband IP Office	0.98%	16	World Patent & Trademark Law Office	1.04%
17	Taiwan Advance Patent & Trademark Office	0.97%	17	Titan International Patent & Trademark Office	0.97%
18	Tsar & Tsai Law Firm	0.93%	18	Wanlin International Trademark Office	0.89%
19	SUNDIAL Intellectual Property Law Firm	0.82%	19	AIPT International Patent Office	0.87%
20	Giant Group International Patent, Trademark & Law Office	0.78%	20	Tsar & Tsai Law Firm	0.83%