

Table 1-1 Patent Statistics

	Application	Pre-grant Publication	Patent Granted	Rejection	Invalidation
2016	72,442	44,355	76,406	16,317	548
2017	73,791	43,676	71,877	11,078	525
2018	73,421	44,073	62,193	9,402	567
2019	74,652	48,020	57,886	10,499	431
2020	72,238	46,834	58,719	12,352	467
Q1, 2020	16,680	11,791	14,601	2,935	132
Q2, 2020	17,274	11,559	14,870	3,167	99
Q3, 2020	18,895	11,390	14,832	3,274	130
Q4, 2020	19,389	12,094	14,416	2,976	106
Q1-Q4, 2020	72,238	46,834	58,719	12,352	467
Q1, 2021	17,156	12,212	13,812	2,939	141
Q2, 2021	18,108	11,584	14,644	2,906	98
Q3, 2021	18,139	11,829	14,670	3,001	93
Q4, 2021	19,210	12,326	16,350	2,783	106
Q1-Q4, 2021	72,613	47,951	59,476	11,629	438
Q4, 2021 compared to Q4, 2020(%)	-1	2	13	-6	-
Q1-Q4, 2021 compared to Q1-Q4, 2020(%)	1	2	1	-6	-6

Table 1-2 The Number of Patent Applications-Residents and Non-Residents

	Total			Invention			Utility Model			Design		
	Total	Residents	Non-Residents	Subtotal	Residents	Non-Residents	Subtotal	Residents	Non-Residents	Subtotal	Residents	Non-Residents
2016	72,442	40,443	31,999	43,836	16,866	26,970	20,161	18,998	1,163	8,445	4,579	3,866
2017	73,791	40,835	32,956	46,122	18,199	27,923	19,549	18,343	1,206	8,120	4,293	3,827
2018	73,421	39,278	34,143	47,429	18,365	29,064	17,910	16,661	1,249	8,082	4,252	3,830
2019	74,652	39,604	35,048	48,268	18,984	29,284	17,580	16,412	1,168	8,804	4,208	4,596
2020	72,238	39,404	32,834	46,664	19,012	27,652	17,555	16,445	1,110	8,019	3,947	4,072
Q1, 2020	16,680	8,384	8,296	10,970	3,966	7,004	3,800	3,572	228	1,910	846	1,064
Q2, 2020	17,274	9,873	7,401	10,941	4,657	6,284	4,527	4,265	262	1,806	951	855
Q3, 2020	18,895	10,396	8,499	12,013	4,963	7,050	4,681	4,351	330	2,201	1,082	1,119
Q4, 2020	19,389	10,751	8,638	12,740	5,426	7,314	4,547	4,257	290	2,102	1,068	1,034
Q1-Q4, 2020	72,238	39,404	32,834	46,664	19,012	27,652	17,555	16,445	1,110	8,019	3,947	4,072
Q1, 2021	17,156	8,754	8,402	11,888	4,742	7,146	3,554	3,238	316	1,714	774	940
Q2, 2021	18,108	9,772	8,336	11,988	5,007	6,981	4,124	3,841	283	1,996	924	1,072
Q3, 2021	18,139	9,354	8,785	12,248	4,829	7,419	3,912	3,607	305	1,979	918	1,061
Q4, 2021	19,210	9,744	9,466	12,992	4,969	8,023	4,206	3,857	349	2,012	918	1,094
Q1-Q4, 2021	72,613	37,624	34,989	49,116	19,547	29,569	15,796	14,543	1,253	7,701	3,534	4,167
Q4, 2021 compared to Q4, 2020(%)	-1	-9	10	2	-8	10	-7	-9	20	-4	-14	6
Q1-Q4, 2021 compared to Q1-Q4, 2020(%)	1	-5	7	5	3	7	-10	-12	13	-4	-10	2

Table 1-3 Patents Granted to Residents and Non-Residents

	Total			Invention			Utility Model			Design		
	Total	Residents	Non-Residents	Subtotal	Residents	Non-Residents	Subtotal	Residents	Non-Residents	Subtotal	Residents	Non-Residents
2016	76,406	43,971	32,435	48,947	21,178	27,769	19,793	18,608	1,185	7,666	4,185	3,481
2017	71,877	40,132	31,745	45,710	18,569	27,141	19,037	17,934	1,103	7,130	3,629	3,501
2018	62,193	35,824	26,369	36,147	14,651	21,496	18,559	17,270	1,289	7,487	3,903	3,584
2019	57,886	33,065	24,821	34,926	14,481	20,445	16,300	15,213	1,087	6,660	3,371	3,289
2020	58,719	33,682	25,037	33,811	13,986	19,825	17,489	16,345	1,144	7,419	3,351	4,068
Q1, 2020	14,601	8,307	6,294	8,535	3,445	5,090	4,220	3,961	259	1,846	901	945
Q2, 2020	14,870	8,891	5,979	8,029	3,430	4,599	4,919	4,566	353	1,922	895	1,027
Q3, 2020	14,832	8,509	6,323	8,484	3,556	4,928	4,394	4,097	297	1,954	856	1,098
Q4, 2020	14,416	7,975	6,441	8,763	3,555	5,208	3,956	3,721	235	1,697	699	998
Q1-Q4, 2020	58,719	33,682	25,037	33,811	13,986	19,825	17,489	16,345	1,144	7,419	3,351	4,068
Q1, 2021	13,812	7,654	6,158	8,456	3,509	4,947	3,746	3,453	293	1,610	692	918
Q2, 2021	14,644	8,424	6,220	8,858	3,816	5,042	4,148	3,834	314	1,638	774	864
Q3, 2021	14,670	8,238	6,432	8,966	3,768	5,198	3,748	3,479	269	1,956	991	965
Q4, 2021	16,350	8,955	7,395	10,296	4,308	5,988	4,100	3,793	307	1,954	854	1,100
Q1-Q4, 2021	59,476	33,271	26,205	36,576	15,401	21,175	15,742	14,559	1,183	7,158	3,311	3,847
Q4, 2021 compared to Q4, 2020(%)	13	12	15	17	21	15	4	2	31	15	22	10
Q1-Q4, 2021 compared to Q1- Q4, 2020(%)	1	-1	5	8	10	7	-10	-11	3	-4	-1	-5

Table 1-4 Patent Statistics-Invalidation

	Invalidation											
	Total	Sustained				Partial Sustained			Denied			
		Subtotal	Invention	Utility Model	Design	Subtotal	Invention	Utility Model	Subtotal	Invention	Utility Model	Design
2016	644	270	52	175	43	93	25	68	281	75	158	48
2017	663	304	53	210	41	86	25	61	273	104	142	27
2018	571	261	47	180	34	84	23	61	226	94	113	19
2019	463	222	46	162	14	63	22	41	178	71	103	4
2020	400	204	43	132	29	70	16	54	126	37	68	21
Q1, 2020	94	39	9	22	8	17	4	13	38	9	26	3
Q2, 2020	117	67	15	43	9	17	4	13	33	13	13	7
Q3, 2020	107	64	12	45	7	16	4	12	27	8	14	5
Q4, 2020	82	34	7	22	5	20	4	16	28	7	15	6
Q1-Q4, 2020	400	204	43	132	29	70	16	54	126	37	68	21
Q1, 2021	103	56	15	35	6	17	8	9	30	11	15	4
Q2, 2021	90	52	20	24	8	15	5	10	23	9	13	1
Q3, 2021	107	50	15	31	4	23	8	15	34	11	13	10
Q4, 2021	99	44	18	23	3	15	3	12	40	14	19	7
Q1-Q4, 2021	399	202	68	113	21	70	24	46	127	45	60	22
Q4, 2021 compared to Q4, 2020(%)	21	29	157	5	-40	-25	-25	-25	43	100	27	17
Q1-Q4, 2021 compared to Q1-Q4, 2020(%)	-0.2	-1	58	-14	-28	-	50	-15	1	22	-12	5

Table1-5 Patent Administrative Remedies -Filed and Reversed

	Total		Appeals		Administrative Suits	
	Filed	TIPO Decisions Reversed	Filed	TIPO Decisions Reversed	Filed	TIPO Decisions Reversed
2016	417	44	313	16	104	28
2017	391	41	288	14	103	27
2018	377	43	274	14	103	28
2019	306	33	211	8	95	25
2020	268	26	201	5	67	21
Q1, 2020	63	4	47	-	16	4
Q2, 2020	64	5	48	-	16	5
Q3, 2020	76	10	58	3	18	7
Q4, 2020	65	7	48	2	17	5
Q1-Q4, 2020	268	26	201	5	67	21
Q1, 2021	74	2	59	1	15	1
Q2, 2021	67	2	53	-	14	2
Q3, 2021	85	5	63	2	22	3
Q4, 2021	82	7	63	3	19	4
Q1-Q4, 2021	308	16	238	6	70	10
Q4, 2021 compared to Q4, 2020(%)	26	-	31	50	12	-20
Q1-Q4, 2021 compared to Q1-Q4, 2020(%)	15	-38	18	20	4	-52

Table 1-6 Invention Patent Applications by Country of Origin (Foreign)

Rank	Country of Origin	Q4			Q1-Q4		
		2021	2020	2021 compared to 2020 (%)	2021	2020	2021 compared to 2020 (%)
1	Japan	3,117	2,929	6	12,221	12,110	1
2	United States of America	1,925	1,692	14	7,011	6,265	12
3	Mainland China	836	759	10	3,022	2,669	13
4	Republic of Korea	686	570	20	2,223	1,731	28
5	Germany	310	253	23	1,047	931	12
6	Switzerland	201	187	7	616	550	12
7	Netherlands	175	160	9	596	571	4
8	Singapore	128	99	29	490	416	18
9	France	87	80	9	265	275	-4
10	United Kingdom	81	85	-5	346	337	3

Table 1-7 Residents Invention Patent Applications

Rank	Applicant	Q4			Q1-Q4		
		2021	2020	2021 compared to 2020 (%)	2021	2020	2021 compared to 2020 (%)
1	INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE	252	183	38	392	337	16
2	REALTEK SEMICONDUCTOR CORPORATION	137	106	29	440	412	7
3	AU OPTRONICS CORPORATION	118	118	-	460	439	5
4	ACER INCORPORATED	111	85	31	312	334	-7
5	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY LTD	107	332	-68	1,950	1,096	78
6	NANYA TECHNOLOGY CORPORATION	83	39	113	290	134	116
7	MEDIATEK INC.	78	59	32	249	322	-23
8	METAL INDUSTRIES RESEARCH & DEVELOPMENT CENTRE	67	58	16	82	77	6
9	NUVOTON TECHNOLOGY CORPORATION	56	44	27	132	101	31
10	CHUNGHWA TELECOM CO., LTD.	49	79	-38	135	161	-16

Table 1-8 Non-Residents Invention Patent Applications

Rank	Applicant	Nationality	Q4			Q1-Q4		
			2021	2020	2021 compared to 2020 (%)	2021	2020	2021 compared to 2020 (%)
1	APPLIED MATERIALS, INC.	US	234	143	64	758	615	23
2	QUALCOMM INCORPORATED	US	201	203	-1	845	720	17
3	TOKYO ELECTRON LIMITED	JP	113	114	-1	463	435	6
4	NITTO DENKO CORPORATION	JP	111	110	1	529	461	15
5	SAMSUNG ELECTRONICS CO., LTD.	KR	98	70	40	510	247	106
6	ASML NETHERLANDS B.V.	NL	88	67	31	265	239	11
7	KIOXIA CORPORATION	JP	66	52	27	457	337	36
8	LG DISPLAY CO., LTD.	KR	63	52	21	104	82	27
9	SUMITOMO CHEMICAL CO., LTD.	JP	61	69	-12	276	266	4
10	DISCO CORPORATION	JP	54	75	-28	225	291	-23

Table 2 IC Layout - Filed and Certificates Issued

	Filed	Certificates Issued
2016	114	133
2017	58	68
2018	95	96
2019	118	86
2020	75	101
Q1, 2020	11	38
Q2, 2020	10	-
Q3, 2020	38	10
Q4, 2020	16	53
Q1-Q4, 2020	75	101
Q1, 2021	17	-
Q2, 2021	15	30
Q3, 2021	18	11
Q4, 2021	19	10
Q1-Q4, 2021	69	51
Q4, 2021 compared to Q4, 2020(%)	19	-81
Q1-Q4, 2021 compared to Q1-Q4, 2020(%)	-8	-50

Table 3-1 Trademark Statistics

	Application	Application (no. of classes)	Registration	Registration (no. of classes)	Rejection	Opposition	Invalidation	Revocation	Renewal	License	Assignment
2016	79,300	101,331	68,177	88,274	8,956	822	187	515	43,030	763	9,469
2017	83,802	108,758	74,226	96,721	8,903	913	248	640	41,013	696	9,147
2018	84,816	110,074	71,809	94,042	8,464	872	199	543	44,444	928	8,907
2019	86,794	111,681	70,785	93,500	8,187	664	192	642	45,523	1,202	10,596
2020	94,089	119,660	78,849	100,444	9,013	784	162	832	48,129	782	9,885
Q1, 2020	20,310	26,460	17,990	23,303	2,317	189	32	147	13,112	171	2,289
Q2, 2020	23,075	29,303	18,226	23,185	2,351	178	54	235	13,354	153	2,199
Q3, 2020	26,113	32,475	20,652	26,642	2,032	187	33	228	12,529	194	2,593
Q4, 2020	24,591	31,422	21,981	27,314	2,313	230	43	222	9,134	264	2,804
Q1-Q4, 2020	94,089	119,660	78,849	100,444	9,013	784	162	832	48,129	782	9,885
Q1, 2021	22,385	28,827	19,417	24,400	2,023	192	47	172	11,785	123	2,058
Q2, 2021	23,994	30,987	20,181	25,232	2,094	173	34	181	16,813	198	3,219
Q3, 2021	24,699	31,594	21,817	27,070	2,190	159	33	191	14,153	155	2,676
Q4, 2021	24,839	31,809	20,045	25,737	2,175	172	38	187	12,294	105	2,993
Q1-Q4, 2021	95,917	123,217	81,460	102,439	8,482	696	152	731	55,045	581	10,946
Q4, 2021 compared to Q4, 2020(%)	1	1	-9	-6	-6	-25	-12	-16	35	-60	7
Q1-Q4, 2021 compared to Q1- Q4, 2020(%)	2	3	3	2	-6	-11	-6	-12	14	-26	11

Note : Multi-class applications became possible from 28 November 2003.

Table 3-2 Trademark Application & Registration - Residents and Non-Residents

	Applications			Registrations		
	Total	Residents	Non-residents	Total	Residents	Non-residents
2016	79,300	57,548	21,752	68,177	48,828	19,349
2017	83,802	61,215	22,587	74,226	53,202	21,024
2018	84,816	59,840	24,976	71,809	50,463	21,346
2019	86,794	61,928	24,866	70,785	48,921	21,864
2020	94,089	72,170	21,919	78,849	56,736	22,113
Q1, 2020	20,310	15,008	5,302	17,990	12,493	5,497
Q2, 2020	23,075	17,835	5,240	18,226	12,685	5,541
Q3, 2020	26,113	20,493	5,620	20,652	14,844	5,808
Q4, 2020	24,591	18,834	5,757	21,981	16,714	5,267
Q1-Q4, 2020	94,089	72,170	21,919	78,849	56,736	22,113
Q1, 2021	22,385	16,940	5,445	19,417	15,145	4,272
Q2, 2021	23,994	18,108	5,886	20,181	15,508	4,673
Q3, 2021	24,699	19,079	5,620	21,817	16,528	5,289
Q4, 2021	24,839	19,247	5,592	20,045	14,890	5,155
Q1-Q4, 2021	95,917	73,374	22,543	81,460	62,071	19,389
Q4, 2021 compared to Q4, 2020(%)	1	2	-3	-9	-11	-2
Q1-Q4, 2021 compared to Q1-Q4, 2020(%)	2	2	3	3	9	-12

Table 3-3 Trademark Opposition & Invalidation

	Opposition			Invalidation		
	Total	Sustained	Denied	Total	Sustained	Denied
2016	658	426	232	157	116	41
2017	569	386	183	138	106	32
2018	733	461	272	175	141	34
2019	663	439	224	155	112	43
2020	418	307	111	107	68	39
Q1, 2020	98	77	21	32	20	12
Q2, 2020	130	99	31	26	16	10
Q3, 2020	103	68	35	26	16	10
Q4, 2020	87	63	24	23	16	7
Q1-Q4, 2020	418	307	111	107	68	39
Q1, 2021	101	73	28	17	9	8
Q2, 2021	97	74	23	29	20	9
Q3, 2021	99	56	43	29	15	14
Q4, 2021	118	58	60	26	17	9
Q1-Q4, 2021	415	261	154	101	61	40
Q4, 2021 compared to Q4, 2020(%)	36	-8	150	13	6	29
Q1-Q4, 2021 compared to Q1-Q4, 2020(%)	-1	-15	39	-6	-10	3

Note: The figures are based on number of cases being disposed. This table only presents the sustained and denied cases, ignoring rejection, revocation and other types of rejection.

Table 3-4 Trademark Administrative Remedies- Filed and Reversed

	Total		Administrative Appeal		Proceedings	
	Filed	TIPO Decisions Reversed	Filed	TIPO Decisions Reversed	Filed	TIPO Decisions Reversed
2016	846	36	688	19	158	17
2017	860	52	684	33	176	19
2018	800	38	683	14	117	24
2019	757	56	636	24	121	32
2020	646	40	535	21	111	19
Q1, 2020	174	9	151	6	23	3
Q2, 2020	199	7	157	4	42	3
Q3, 2020	140	14	122	7	18	7
Q4, 2020	133	10	105	4	28	6
Q1-Q4, 2020	646	40	535	21	111	19
Q1, 2021	115	5	89	3	26	2
Q2, 2021	133	4	115	1	18	3
Q3, 2021	151	6	124	4	27	2
Q4, 2021	179	4	149	2	30	2
Q1-Q4, 2021	578	19	477	10	101	9
Q4, 2021 compared to Q4, 2020(%)	35	-60	42	-50	7	-67
Q1-Q4, 2021 compared to Q1-Q4, 2020(%)	-11	-53	-11	-52	-9	-53

Note:

1. Since 2005, the statistics of "Administrative Appeal" are based on figures published by the Petitions and Appeals Committee, MOEA.
2. Since July 1, 2008, the statistics of "Administrative Proceedings" are based on figures provided by the Intellectual Property Court. "TIPO Decisions Reversed" include the suits that "plaintiff won" and "partly won and partly lost". The MOEA decisions of administrative appeal being reversed are also included.

Table 3-5 Trademark Applications by Country of Origin

Rank	Country of Origin	Q4			Q1-Q4		
		2021	2020	2021 compared to 2020 (%)	2021	2020	2021 compared to 2020 (%)
1	Taiwan, Republic of China	19,247	18,834	2	73,374	72,170	2
2	Mainland China	1,230	1,041	18	4,929	4,575	8
3	United States of America	1,016	1,162	-13	4,032	3,814	6
4	Japan	881	1,063	-17	3,437	4,013	-14
5	Republic of Korea	394	378	4	1,571	1,541	2
6	Hong Kong	331	357	-7	1,548	1,577	-2
7	Singapore	276	108	156	730	428	71
8	Germany	209	242	-14	798	796	0.3
9	France	153	185	-17	595	609	-2
10	Switzerland	141	137	3	628	538	17