

2. Annual Statistics

I. Patent Applications Filed & Disposed

A. General Statistics on Patent Cases (2015-2024)

Year \ Item	Application	Certificate Issued	Grant
2015	73,627	78,089	78,087
2016	72,442	76,406	76,406
2017	73,791	71,878	71,877
2018	73,421	62,193	62,193
2019	74,652	57,887	57,886
2020	72,238	58,719	58,719
2021	72,613	59,478	59,476
2022	72,059	58,015	58,014
2023	72,607	59,698	59,698
2024	72,742	61,975	61,974

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

B. Statistics on Patent from 2015 to 2024

1. Patent Cases Filed & Disposed

Year \ Item	Application	Reexamination	Invalidation	Assignment	Licensing
2015	73,627	6,871	602	5,965	63
2016	72,442	6,329	548	6,621	107
2017	73,791	5,448	525	6,176	137
2018	73,421	4,513	567	5,886	111
2019	74,652	5,220	431	5,241	98
2020	72,238	6,500	467	6,221	140
2021	72,613	6,655	438	5,665	79
2022	72,059	6,540	431	5,851	123
2023	72,607	6,664	360	4,287	66
2024	72,742	6,696	393	4,525	74

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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
2015	44,415	47,363	40,475	6,667	21,372	48,315	122
2016	43,836	44,355	38,382	6,239	15,427	48,947	163
2017	46,122	43,676	40,124	5,343	10,383	45,710	163
2018	47,429	44,073	41,991	4,430	8,601	36,147	145
2019	48,268	48,020	42,987	5,076	9,640	34,926	123
2020	46,664	46,834	43,035	6,283	11,206	33,811	152
2021	49,116	47,951	43,576	6,496	10,628	36,576	161
2022	50,242	49,559	44,402	6,426	9,904	37,175	180
2023	50,854	50,024	44,206	6,538	9,984	39,253	142
2024	50,823	50,413	45,847	6,577	9,787	40,516	170

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

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

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

3. Utility Model Patent Applications Filed & Disposed

Item Year	Application	Rejection	Grant	Requests for Technical Evaluation Report	Issuance of Technical Evaluation Report	Invalidation
2015	21,404	193	22,106	1,964	2,155	406
2016	20,161	191	19,793	1,607	2,049	329
2017	19,549	174	19,037	1,553	2,075	314
2018	17,910	160	18,559	1,397	1,515	368
2019	17,580	109	16,300	1,189	1,291	264
2020	17,555	105	17,489	1,075	850	274
2021	15,796	147	15,742	817	970	224
2022	14,662	146	14,212	758	831	219
2023	14,466	156	14,035	731	787	196
2024	14,559	186	15,037	636	705	206

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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
2015		7,808	204	877	7,666	74
2016		8,445	90	672	7,666	56
2017		8,120	104	521	7,130	48
2018		8,082	83	643	7,487	54
2019		8,804	144	753	6,660	44
2020		8,019	217	1,043	7,419	41
2021		7,701	159	853	7,158	53
2022		7,155	114	629	6,627	32
2023		7,287	125	697	6,410	22
2024		7,360	119	628	6,421	17

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

5. Patent Opposition and Invalidation

Year	Item	Opposition		Invalidation										
		Sustained	Denied	Sustained				Partially Sustained			Denied			
				Invention	Utility Model	Design	Subtotal	Invention	Utility Model	Subtotal	Invention	Utility Model	Design	Subtotal
2015		0	0	—	—	—	294	—	—	99	—	—	—	245
2016		0	0	—	—	—	277	—	—	100	—	—	—	300
2017		0	0	—	—	—	310	—	—	91	—	—	—	287
2018		0	0	—	—	—	266	—	—	86	—	—	—	233
2019		0	0	46	162	14	222	22	41	63	71	104	4	179
2020		0	0	43	132	29	204	16	54	70	37	68	21	126
2021		0	0	68	113	21	202	24	46	70	45	60	22	127
2022		0	0	45	99	24	168	18	28	46	99	85	34	218
2023		0	0	41	87	9	137	21	36	57	101	99	7	207
2024		0	0	48	86	14	148	12	32	44	88	88	8	184

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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. 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.

3. 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
2015	367	15	4	386	6	4.6%
2016	313	14	2	296	6	5.0%
2017	288	11	3	284	2	4.7%
2018	274	13	1	254	1	5.2%
2019	211	7	1	242	2	3.2%
2020	201	5	0	205	0	2.4%
2021	238	6	0	219	1	2.7%
2022	198	4	1	190	3	2.5%
2023	216	3	0	232	6	1.2%
2024	207	6	0	153	5	3.7%

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

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

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

Item Year	Cases Received	Cases Concluded							
		Withdrawn	Plaintiff Won	Plaintiff Lost	Partially Sustained	Dismissals	Settlements	Others	Total
2015	127	3	18	87	14	6	0	0	128
2016	104	18	17	57	11	4	0	0	107
2017	103	7	16	62	11	2	0	0	98
2018	103	6	20	76	8	2	0	0	112
2019	95	3	22	77	3	2	0	0	107
2020	67	4	14	51	7	0	0	0	76
2021	70	1	5	52	5	0	0	0	63
2022	83	9	11	59	1	2	0	0	82
2023	74	3	10	52	4	1	0	0	70
2024	68	18	10	47	4	2	1	0	82

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

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

8. Resident and Non-Resident Patent Applications

Item Year	Residents				Non-Residents			
	Invention	Utility Model	Design	Total	Invention	Utility Model	Design	Total
2015	17,262	20,132	4,450	41,844	27,153	1,272	3,358	31,783
2016	16,866	18,998	4,579	40,443	26,970	1,163	3,866	31,999
2017	18,199	18,343	4,293	40,835	27,923	1,206	3,827	32,956
2018	18,365	16,661	4,252	39,278	29,064	1,249	3,830	34,143
2019	18,984	16,412	4,208	39,604	29,284	1,168	4,596	35,048
2020	19,012	16,445	3,947	39,404	27,652	1,110	4,072	32,834
2021	19,547	14,543	3,534	37,624	29,569	1,253	4,167	34,989
2022	19,400	13,669	3,411	36,480	30,842	993	3,744	35,579
2023	19,634	13,309	3,437	36,380	31,220	1,157	3,850	36,227
2024	19,586	13,341	3,338	36,265	31,237	1,218	4,022	36,477

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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
2015	21,401	20,787	4,258	46,446	26,914	1,319	3,408	31,641
2016	21,178	18,608	4,185	43,971	27,769	1,185	3,481	32,435
2017	18,569	17,934	3,629	40,132	27,141	1,103	3,501	31,745
2018	14,651	17,270	3,903	35,824	21,496	1,289	3,584	26,369
2019	14,481	15,213	3,371	33,065	20,445	1,087	3,289	24,821
2020	13,986	16,345	3,351	33,682	19,825	1,144	4,068	25,037
2021	15,395	14,555	3,311	33,261	21,181	1,187	3,847	26,215
2022	15,899	13,114	2,916	31,929	21,276	1,098	3,711	26,085
2023	16,540	13,107	3,148	32,795	22,713	928	3,262	26,903
2024	16,485	13,711	2,894	33,090	24,031	1,326	3,527	28,884

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

C. Statistics on Patent by Class

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

Classification	Application			Grant		
	2021	2022	2023	2022	2023	2024
A01	354	373	408	272	395	326
A21	25	24	21	8	19	27
A22	4	6	9	3	2	9
A23	295	233	244	176	149	161
A24	142	86	157	47	61	82
A41	71	57	43	38	37	40
A42	17	20	17	9	12	19
A43	78	82	91	61	70	109
A44	42	46	39	33	40	41
A45	75	75	86	79	68	72
A46	30	19	17	15	12	22
A47	476	473	479	392	387	454
A61	3,168	3,271	3,236	1,942	2,149	2,227
A62	104	71	45	59	48	46
A63	306	304	301	242	297	300
A99	0	0	0	0	0	0
B01	499	518	543	352	368	355
B02	19	6	11	7	12	12
B03	14	10	10	16	13	8
B04	4	7	0	2	4	2
B05	179	161	155	167	163	125
B06	6	14	20	3	11	13
B07	17	19	17	18	22	12
B08	139	144	142	100	138	110
B09	38	40	43	31	35	38
B21	103	86	101	89	86	60
B22	73	83	106	59	51	62
B23	528	552	533	423	370	376
B24	248	328	305	167	195	299
B25	460	514	524	376	438	363
B26	61	43	53	43	51	35

Classification	Application			Grant		
	2021	2022	2023	2022	2023	2024
B27	11	18	16	6	9	6
B28	38	24	45	18	29	37
B29	433	396	437	366	334	284
B30	8	15	11	3	6	16
B31	12	9	14	6	6	6
B32	698	691	630	475	443	472
B33	17	12	5	12	11	5
B41	110	94	136	95	89	58
B42	13	9	9	12	5	4
B43	23	26	21	14	20	6
B44	6	13	15	5	5	7
B60	523	502	526	358	413	433
B61	31	29	30	23	27	26
B62	451	492	552	362	424	398
B63	40	49	65	33	25	40
B64	42	31	57	25	26	20
B65	693	701	781	487	547	628
B66	74	49	75	51	52	40
B67	15	15	17	13	2	9
B68	1	1	0	1	0	0
B81	34	39	43	34	29	43
B82	25	30	26	26	20	17
C01	325	370	366	243	244	271
C02	147	140	154	90	78	110
C03	286	268	281	238	244	211
C04	163	138	155	129	99	93
C05	17	27	17	12	11	22
C06	0	0	0	1	0	0
C07	2,391	2,336	2,028	1,293	1,401	1,447
C08	2,212	2,340	2,233	1,535	1,687	1,893
C09	1,317	1,201	1,138	1,069	1,139	1,214
C10	71	69	75	35	34	56
C11	95	96	102	67	73	67

Classification	Application			Grant		
	2021	2022	2023	2022	2023	2024
C12	647	683	630	312	305	409
C13	0	0	1	1	0	0
C14	0	1	2	0	3	0
C21	73	78	75	47	73	53
C22	218	219	247	208	166	178
C23	844	759	845	491	636	689
C25	236	220	265	178	169	167
C30	157	209	222	110	108	152
C40	0	0	0	0	1	0
D01	77	68	56	71	47	63
D02	24	18	26	23	22	15
D03	31	35	35	27	23	22
D04	79	51	46	68	69	59
D05	32	36	22	35	31	40
D06	133	95	121	97	107	114
D07	0	2	0	0	1	1
D21	24	18	37	26	27	29
D99	0	0	0	0	0	0
E01	21	17	23	18	18	17
E02	36	49	30	35	34	34
E03	50	25	47	50	35	40
E04	220	218	200	233	224	163
E05	138	120	109	94	102	113
E06	61	81	74	71	59	65
E21	7	19	5	12	18	6
F01	35	40	34	26	26	32
F02	22	31	36	21	19	30
F03	102	105	92	78	65	56
F04	250	192	207	177	173	153
F15	21	13	21	16	17	11
F16	590	563	611	454	478	457
F17	18	38	53	24	26	28
F21	144	123	123	120	133	85

Classification	Application			Grant		
	2021	2022	2023	2022	2023	2024
F22	11	7	7	9	10	8
F23	68	82	72	30	65	56
F24	206	216	187	142	158	140
F25	55	94	101	39	56	38
F26	21	23	30	17	27	21
F27	35	28	34	36	21	22
F28	157	201	161	109	198	134
F41	47	64	64	21	50	47
F42	5	4	3	2	2	4
G01	2,157	2,145	2,091	1,612	1,903	1,775
G02	1,473	1,593	1,790	1,219	1,259	1,504
G03	1,062	982	1,066	818	939	931
G04	10	5	10	11	10	8
G05	402	432	402	233	289	326
G06	4,583	4,610	4,525	4,299	4,044	3,792
G07	45	32	55	52	36	43
G08	152	141	141	133	119	128
G09	612	697	685	545	610	633
G10	209	178	170	149	156	173
G11	715	799	642	707	500	588
G12	1	0	2	0	0	2
G16	276	274	271	176	225	205
G21	38	28	29	26	36	35
G99	0	0	0	0	0	0
H01	9,018	9,162	8,118	6,738	7,560	7,612
H02	893	1,020	962	748	776	800
H03	535	521	470	434	434	388
H04	2,568	2,461	2,731	2,463	2,363	2,116
H05	1,147	1,208	1,100	918	951	1,020
H10	0	740	2,405	0	6	942
H99	0	0	0	0	0	0
X	428	474	419	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		
	2021	2022	2023	2022	2023	2024
A01	446	412	406	412	408	353
A21	42	41	29	43	29	33
A22	5	2	3	5	3	7
A23	142	130	133	131	120	121
A24	18	7	8	12	3	9
A41	228	161	127	180	122	129
A42	56	52	41	45	47	43
A43	124	90	119	108	93	130
A44	81	41	48	59	43	50
A45	227	235	215	217	206	249
A46	15	18	11	12	21	18
A47	1,000	921	857	861	895	920
A61	1,086	833	767	915	804	810
A62	199	112	73	137	84	65
A63	364	360	330	346	330	320
A99	0	0	1	0	1	0
B01	240	202	176	247	174	217
B02	19	20	17	17	17	15
B03	7	2	10	6	8	10
B04	2	3	2	0	6	1
B05	82	85	82	74	81	88
B06	1	1	1	1	0	2
B07	16	12	22	17	15	16
B08	42	50	69	43	59	62
B09	23	32	21	25	22	25
B21	50	48	50	43	46	48
B22	19	14	9	13	9	9
B23	284	274	252	257	278	272
B24	60	67	63	64	55	73
B25	227	235	221	213	217	238
B26	43	54	37	46	43	45
B27	12	16	20	15	19	20

Classification	Application			Grant		
	2021	2022	2023	2022	2023	2024
B28	18	6	5	9	6	9
B29	96	141	82	100	113	103
B30	13	9	15	9	12	15
B31	6	9	6	3	12	10
B32	99	78	90	86	93	86
B33	0	1	1	0	2	2
B41	39	31	51	34	42	48
B42	27	20	24	29	12	24
B43	28	30	14	32	17	21
B44	31	22	22	30	22	29
B60	428	371	370	365	371	420
B61	8	8	12	6	11	12
B62	408	376	404	373	369	451
B63	50	31	36	37	33	43
B64	26	23	38	18	23	41
B65	706	713	713	722	650	727
B66	77	69	62	76	59	74
B67	25	22	23	25	16	20
B68	1	3	1	0	3	2
B81	1	0	2	0	2	0
B82	0	0	3	0	1	2
C01	16	8	20	9	12	11
C02	99	79	74	83	70	94
C03	7	7	12	7	8	12
C04	5	6	3	4	5	3
C05	8	7	9	7	9	8
C06	0	0	0	0	0	0
C07	2	4	2	5	2	0
C08	14	11	9	13	11	11
C09	15	20	14	16	16	11
C10	11	4	8	8	2	6
C11	13	6	15	11	13	6
C12	33	30	41	37	30	31

Classification	Application			Grant		
	2021	2022	2023	2022	2023	2024
C13	0	0	0	0	0	0
C14	0	0	1	0	1	0
C21	8	14	7	11	8	11
C22	5	1	4	3	1	5
C23	38	38	32	31	33	40
C25	25	30	36	27	38	26
C30	4	4	15	5	1	16
C40	0	0	0	0	0	0
D01	18	11	15	15	9	14
D02	16	9	4	12	4	4
D03	22	21	16	17	21	17
D04	31	26	23	24	23	17
D05	21	23	34	23	32	18
D06	61	34	67	50	37	72
D07	0	0	0	0	0	2
D21	6	4	6	6	4	4
D99	0	0	0	0	0	0
E01	37	24	29	29	26	24
E02	31	37	27	31	33	25
E03	73	62	69	67	57	67
E04	315	318	338	299	314	306
E05	132	118	108	111	130	120
E06	134	130	148	98	161	106
E21	8	6	8	4	8	7
F01	33	27	27	24	30	30
F02	26	31	26	34	27	19
F03	69	80	47	75	52	57
F04	151	133	130	154	123	158
F15	15	16	8	13	12	5
F16	565	491	573	501	533	577
F17	14	20	20	17	23	21
F21	156	151	148	153	152	124
F22	5	0	3	1	1	4

Classification	Application			Grant		
	2021	2022	2023	2022	2023	2024
F23	56	36	37	42	38	35
F24	250	198	195	213	198	179
F25	42	35	51	41	45	52
F26	18	22	26	19	23	24
F27	14	7	10	7	6	20
F28	98	104	86	108	86	107
F41	44	50	65	43	52	59
F42	8	4	3	3	6	3
G01	436	349	356	360	349	397
G02	283	299	286	285	286	308
G03	78	85	70	76	87	65
G04	14	11	7	10	6	10
G05	59	48	45	49	41	52
G06	1,809	1,897	1,915	1,660	1,935	2,097
G07	78	62	58	61	58	71
G08	158	133	111	139	109	117
G09	166	194	192	143	188	212
G10	64	33	42	39	34	50
G11	31	25	23	23	28	19
G12	3	1	1	3	1	0
G16	87	86	65	92	61	76
G21	4	0	1	1	0	3
G99	1	0	0	0	0	0
H01	1,303	1,190	1,189	1,190	1,123	1,303
H02	308	330	334	295	330	342
H03	37	30	30	33	33	26
H04	264	275	250	256	240	298
H05	436	473	489	468	473	477
H10	0	1	8	0	0	9
H99	0	0	0	0	0	0
X	158	149	151	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		
	2021	2022	2023	2022	2023	2024
01	57	43	42	28	24	25
02	267	201	270	176	204	262
03	220	126	231	151	146	203
04	53	44	23	36	45	29
05	42	32	42	38	21	34
06	323	332	294	275	316	214
07	288	310	309	247	299	235
08	292	303	296	268	249	243
09	461	406	338	416	406	300
10	218	259	279	235	232	255
11	395	314	294	323	285	264
12	808	788	762	802	608	801
13	547	557	603	394	493	573
14	1,037	872	1,015	918	788	787
15	327	327	370	311	305	330
16	184	186	222	118	153	202
17	5	7	4	3	5	4
18	9	3	5	10	3	1
19	88	102	90	86	95	68
20	16	22	22	19	19	25
21	246	223	257	246	186	225
22	65	49	55	48	40	53
23	455	478	342	426	438	283
24	236	241	208	235	233	166
25	117	125	127	72	116	102
26	463	356	327	396	356	363
27	36	23	8	56	13	9
28	237	239	212	194	198	231
29	68	60	63	42	68	49
30	31	43	52	24	30	46
31	33	33	34	30	35	34
32	6	4	2	4	1	5
X	71	48	89	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 2023 (TOP 20)

Rank	IPC	IPC Subject	Total
1	H01L	Semiconductor devices; electric solid state devices not otherwise provided for	5,496
2	G06F	Electric digital data processing	2,558
3	A61K	Preparations for medical, dental, or toilet purposes	2,032
4	G06Q	Electronic commerce	1,153
5	G02B	Optical elements, systems, or apparatus	1,126
6	G03F	Photomechanical production of textured or patterned surfaces; materials therefor; originals therefor; apparatus specially adapted therefor	910
7	H05K	Printed circuits; casings or constructional details of electric apparatus; manufacture of assemblages of electrical components	864
8	C07D	Heterocyclic compounds	812
9	C23C	Coating metallic material; coating material with metallic material	805
10	H10D	Inorganic electric semiconductor devices	798
11	H04W	Wireless communication networks	765
12	H04N	Pictorial communication	759
13	C07K	Peptides	727
14	H10B	Electronic memory devices	715
15	C08G	Macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds	681
16	G01N	Investigating or analyzing materials by determining their chemical or physical properties	672
17	G01R	Measuring electric variables; measuring magnetic variables	657
18	B32B	Layered products	630
19	H01J	Electric discharge tubes or discharge lamps	623
19	H04L	Transmission of digital information	623

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

2. For detailed classification descriptions, please refer to International Patent Classification version 2024.01.

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

5. Counts of Utility Model Patent Applications Ranked by International Patent Classification (IPC) in 2023 (TOP 20)

Rank	IPC	IPC Subject	Total
1	G06Q	Electronic commerce	1,270
2	G06F	Electric digital data processing	522
3	H01R	Electrically-conductive connections	515
4	H05K	Printed circuits; casings or constructional details of electric apparatus; manufacture of assemblages of electrical components	449
5	B65D	Containers for storage or transport of articles or materials	421
6	H01L	Semiconductor devices; electric solid state devices not otherwise provided for	286
7	A47G	Household or table equipment	219
8	A63B	Apparatus for physical training, gymnastics, swimming, climbing, or fencing; ball games; training equipment	213
9	A01K	Animal husbandry; care of birds, fishes, insects; fishing; rearing or breeding animals, not otherwise provided for; new breeds of animals	199
10	A47J	Kitchen equipment; coffee mills; spice mills; apparatus for making beverages	172
11	A61B	Diagnosis; surgery; identification	161
12	B62J	Cycle saddles or seats	150
13	B65G	Transport or storage devices	146
14	A47B	Tables; desks; office furniture; cabinets; drawers; general details of furniture	145
15	G09B	Educational or demonstration appliances; appliances for teaching, or communicating with, the blind, deaf or mute; models	141
16	B01D	Separation	140
17	E06B	Fixed or movable closures for openings in buildings, vehicles, fences, or like enclosures, in general	139
18	G02B	Optical elements, systems, or apparatus	131
19	A01G	Horticulture; cultivation of vegetables, flowers, rice, fruit, vines, hops or seaweed; forestry; watering	126
20	A47C	Chairs; sofas; beds	122

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

2. For detailed classification descriptions, please refer to International Patent Classification version 2024.01.

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

6. Counts of Design Patent Applications Ranked by International Classification for Industrial Designs (LOC) in 2023 (TOP 20)

Rank	LOC	LOC Subject	Total
1	12-16	Parts, equipment and accessories for vehicles, not included in other classes or subclasses	410
2	14-04	Screen displays and icons	366
3	14-02	Data processing equipment as well as peripheral apparatus and devices	362
4	13-03	Equipment for distribution or control of electric power	358
5	26-06	Luminous devices for vehicles	231
6	03-01	Trunks, suitcases, briefcases, handbags, keyholders, cases specially designed for their contents, wallets and similar articles	215
7	28-03	Toilet articles and beauty parlor equipment	194
8	11-01	Jewellery	192
9	07-02	Cooking appliances, utensils and containers	177
10	21-01	Games and toys	164
11	12-11	Cycles and motorcycles	151
12	23-01	Fluid distribution equipment	149
13	14-03	Telecommunications equipment, wireless remote controls and radio amplifiers	138
14	16-06	Optical articles	136
15	13-99	Miscellaneous	129
16	09-01	Bottles, flasks, pots, carboys, demijohns, and containers with dynamic dispensing means	125
17	02-04	Footwear, socks and stockings	114
18	09-03	Boxes, cases, containers, (preserve) tins or cans	108
19	13-02	Power transformers, rectifiers, batteries and accumulators	105
20	08-05	Other tools and implements	104

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

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

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

7. Counts of Invention Patent Grants Ranked by International Patent Classification (IPC) in 2024 (TOP 20)

Rank	IPC	IPC Subject	Total
1	H01L	Semiconductor devices; electric solid state devices not otherwise provided for	5,474
2	G06F	Electric digital data processing	2,188
3	A61K	Preparations for medical, dental, or toilet purposes	1,057
4	G06Q	Electronic commerce	919
5	G02B	Optical elements, systems, or apparatus	901
6	H05K	Printed circuits; casings or constructional details of electric apparatus; manufacture of assemblages of electrical components	830
7	G03F	Photomechanical production of textured or patterned surfaces; materials therefor; originals therefor; apparatus specially adapted therefor	753
8	C23C	Coating metallic material; coating material with metallic material	650
9	H04N	Pictorial communication	634
10	C07D	Heterocyclic compounds	623
11	H10B	Electronic memory devices	620
12	H04W	Wireless communication networks	605
13	C08G	Macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds	603
14	G01N	Investigating or analyzing materials by determining their chemical or physical properties	593
15	G11C	Static stores	564
16	G01R	Measuring electric variables; measuring magnetic variables	550
17	C08L	Compositions of macromolecular compounds	519
18	G02F	Optical devices or arrangements for the control of light by modification of the optical properties of the media of the elements involved therein	503
19	H01R	Electrically-conductive connections	501
20	G09G	Arrangements or circuits for control of indicating devices using static means to present variable information	489

Reporting Date: January 11, 2025

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

2. For detailed classification descriptions, please refer to International Patent Classification version 2024.01.

8. Counts of Utility Model Patent Grants Ranked by International Patent Classification (IPC) in 2024 (TOP 20)

Rank	IPC	IPC Subject	Total
1	G06Q	Electronic commerce	1,463
2	H01R	Electrically-conductive connections	552
3	G06F	Electric digital data processing	515
4	H05K	Printed circuits; casings or constructional details of electric apparatus; manufacture of assemblages of electrical components	440
5	B65D	Containers for storage or transport of articles or materials	408
6	H01L	Semiconductor devices; electric solid state devices not otherwise provided for	340
7	A47G	Household or table equipment	222
8	A63B	Apparatus for physical training, gymnastics, swimming, climbing, or fencing; ball games; training equipment	203
9	A47J	Kitchen equipment; coffee mills; spice mills; apparatus for making beverages	200
10	B01D	Separation	175
11	B62J	Cycle saddles or seats	170
12	B65G	Transport or storage devices	159
13	A01K	Animal husbandry; care of birds, fishes, insects; fishing; rearing or breeding animals, not otherwise provided for; new breeds of animals	157
14	A61B	Diagnosis; surgery; identification	155
15	G09B	Educational or demonstration appliances; appliances for teaching, or communicating with, the blind, deaf or mute; models	141
16	A47B	Tables; desks; office furniture; cabinets; drawers; general details of furniture	139
16	G02B	Optical elements, systems, or apparatus	139
18	A47C	Chairs; sofas; beds	133
19	B25B	Tools or bench devices not otherwise provided for, for fastening, connecting, disengaging, or holding	129
20	G01R	Measuring electric variables; measuring magnetic variables	122

Reporting Date: January 11, 2025

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

2. Please refer to International Patent Classification version 2024.01 for detailed classification descriptions.

9. Counts of Design Patent Grants Ranked by International Classification for Industrial Designs (LOC) in 2024 (TOP 20)

Rank	LOC	LOC Subject	Total
1	12-16	Parts, equipment and accessories for vehicles, not included in other classes or subclasses	437
2	13-03	Equipment for distribution or control of electric power	309
3	14-02	Data processing equipment as well as peripheral apparatus and devices	285
4	26-06	Luminous devices for vehicles	273
5	14-04	Screen displays and icons	247
6	28-03	Toilet articles and beauty parlor equipment	204
7	11-01	Jewellery	198
8	03-01	Trunks, suitcases, briefcases, handbags, keyholders, cases specially designed for their contents, wallets and similar articles	188
9	21-01	Games and toys	164
10	12-11	Cycles and motorcycles	154
11	13-99	Miscellaneous	144
12	02-04	Footwear, socks and stockings	132
13	16-06	Optical articles	129
14	07-02	Cooking appliances, utensils and containers	116
15	09-01	Bottles, flasks, pots, carboys, demijohns, and containers with dynamic dispensing means	114
16	14-03	Communications equipment, wireless remote controls and radio amplifiers	113
17	23-04	Ventilation and air-conditioning equipment	111
18	13-02	Power transformers, rectifiers, batteries and accumulators	109
19	23-01	Fluid distribution equipment	99
20	10-02	Watches and wrist watches	97

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

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

10. Statistics on Patent Applications by Nationality (2024)

Nationality	Application				
	Invention	Utility Model	Design	Total	Percentage
TAIWAN, REPUBLIC OF CHINA	19,586	13,341	3,338	36,265	49.85%
JAPAN	12,307	46	880	13,233	18.19%
UNITED STATES OF AMERICA	6,817	74	772	7,663	10.53%
MAINLAND CHINA	3,472	867	755	5,094	7.00%
REPUBLIC OF KOREA	3,365	37	198	3,600	4.95%
GERMANY	1,035	3	241	1,279	1.76%
SWITZERLAND	675	8	370	1,053	1.45%
NETHERLANDS	688	5	33	726	1.00%
SINGAPORE	461	39	80	580	0.80%
UNITED KINGDOM	454	0	55	509	0.70%
FRANCE	326	0	152	478	0.66%
HONG KONG	153	60	50	263	0.36%
ITALY	112	3	124	239	0.33%
SWEDEN	146	0	74	220	0.30%
ISRAEL	184	2	6	192	0.26%
CAYMAN ISLANDS	115	43	12	170	0.23%
CANADA	130	3	19	152	0.21%
FINLAND	112	1	2	115	0.16%
DENMARK	103	0	5	108	0.15%
BELGIUM	93	0	10	103	0.14%
NEW ZEALAND	37	1	61	99	0.14%
AUSTRIA	92	0	6	98	0.13%
AUSTRALIA	47	2	33	82	0.11%
IRELAND	51	0	2	53	0.07%
INDIA	35	0	17	52	0.07%
SPAIN	32	0	1	33	0.05%

Nationality	Application				
	Invention	Utility Model	Design	Total	Percentage
SLOVENIA	22	0	9	31	0.04%
SAMOA	18	9	2	29	0.04%
NORWAY	24	0	2	26	0.04%
MALAYSIA	18	1	7	26	0.04%
BRITISH VIRGIN ISLANDS	17	2	0	19	0.03%
INDONESIA	1	0	17	18	0.02%
LUXEMBOURG	15	0	0	15	0.02%
THAILAND	6	2	3	11	0.02%
MALTA	0	0	9	9	0.01%
RUSSIAN FEDERATION	7	0	0	7	0.01%
VIETNAM	1	2	4	7	0.01%
POLAND	6	0	0	6	0.01%
AMERICAN SAMOA	4	2	0	6	0.01%
PORTUGAL	4	0	1	5	0.01%
ARMENIA	0	0	5	5	0.01%
OTHERS	52	6	5	63	0.08%
TOTAL	50,823	14,559	7,360	72,742	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 (2024)

Nationality	Pre-Grant Publication	Percentage	Nationality	Pre-Grant Publication	Percentage
TAIWAN, REPUBLIC OF CHINA	18,465	36.63%	BELGIUM	92	0.18%
JAPAN	12,785	25.36%	FINLAND	81	0.16%
UNITED STATES OF AMERICA	6,999	13.88%	AUSTRALIA	59	0.12%
MAINLAND CHINA	3,619	7.18%	IRELAND	53	0.11%
REPUBLIC OF KOREA	3,143	6.23%	NEW ZEALAND	32	0.06%
GERMANY	998	1.98%	INDIA	31	0.06%
NETHERLANDS	756	1.50%	SAMOA	31	0.06%
SWITZERLAND	698	1.38%	NORWAY	28	0.06%
UNITED KINGDOM	489	0.97%	SPAIN	25	0.05%
SINGAPORE	459	0.91%	BRITISH VIRGIN ISLANDS	24	0.05%
FRANCE	324	0.64%	MALAYSIA	16	0.03%
ISRAEL	165	0.33%	SLOVENIA	15	0.03%
SWEDEN	164	0.33%	LUXEMBOURG	13	0.03%
HONG KONG	127	0.25%	RUSSIAN FEDERATION	11	0.02%
CAYMAN ISLANDS	112	0.22%	ANTIGUA AND BARBUDA	7	0.01%
AUSTRIA	111	0.22%	BRAZIL	7	0.01%
CANADA	101	0.20%	LIECHTENSTEIN	5	0.01%
DENMARK	97	0.19%	OTHERS	176	0.36%
ITALY	95	0.19%	TOTAL	50,413	100.00%

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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 (2024)

Nationality	Number of Granted Patents				
	Invention	Utility Model	Design	Total	Percentage
TAIWAN, REPUBLIC OF CHINA	16,485	13,711	2,894	33,090	53.39%
JAPAN	10,014	61	855	10,930	17.64%
UNITED STATES OF AMERICA	5,057	95	735	5,887	9.50%
MAINLAND CHINA	2,934	910	447	4,291	6.92%
REPUBLIC OF KOREA	2,322	42	119	2,483	4.01%
GERMANY	705	3	230	938	1.51%
SWITZERLAND	479	5	376	860	1.39%
NETHERLANDS	516	15	37	568	0.92%
SINGAPORE	404	47	67	518	0.83%
FRANCE	178	2	229	409	0.66%
HONG KONG	122	68	69	259	0.42%
UNITED KINGDOM	205	0	28	233	0.38%
SWEDEN	105	0	64	169	0.27%
CAYMAN ISLANDS	124	35	7	166	0.27%
ITALY	75	4	86	165	0.27%
ISRAEL	126	3	6	135	0.22%
CANADA	91	4	5	100	0.16%
AUSTRIA	87	0	3	90	0.15%
AUSTRALIA	40	3	35	78	0.13%
BELGIUM	66	0	8	74	0.12%
NEW ZEALAND	24	0	35	59	0.10%
FINLAND	54	1	0	55	0.09%
DENMARK	45	0	6	51	0.08%
IRELAND	42	0	3	45	0.07%
INDONESIA	0	0	30	30	0.05%
INDIA	27	1	1	29	0.05%

Nationality	Number of Granted Patents				
	Invention	Utility Model	Design	Total	Percentage
SAMOA	19	8	1	28	0.05%
BRITISH VIRGIN ISLANDS	23	2	1	26	0.04%
SPAIN	21	1	2	24	0.04%
MALAYSIA	20	0	3	23	0.04%
NORWAY	14	1	7	22	0.04%
ANTIGUA AND BARBUDA	16	0	0	16	0.03%
LIECHTENSTEIN	14	0	0	14	0.02%
THAILAND	7	2	5	14	0.02%
LUXEMBOURG	13	0	0	13	0.02%
SLOVENIA	1	0	8	9	0.01%
VIETNAM	1	2	6	9	0.01%
MACAO	3	4	0	7	0.01%
MALTA	0	0	7	7	0.01%
RUSSIAN FEDERATION	5	1	0	6	0.01%
BRAZIL	5	0	0	5	0.01%
CZECH REPUBLIC	5	0	0	5	0.01%
OTHERS	22	6	6	34	0.03%
TOTAL	40,516	15,037	6,421	61,974	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 2024 (Top 20)

Rank	Applicant	Number of Applications			
		Invention	Utility Model	Design	Total
1	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY LTD.	1,412	0	0	1,412
2	NANYA TECHNOLOGY CORPORATION	466	0	0	466
3	AU OPTRONICS CORPORATION	425	3	16	444
4	HON HAI PRECISION INDUSTRY CO., LTD.	259	126	11	396
5	INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE	356	9	2	367
6	INVENTEC CORPORATION	321	28	0	349
7	INNOLUX CORPORATION	328	0	1	329
7	ACER INCORPORATED	277	14	38	329
9	DELTA ELECTRONICS, INC.	230	48	46	324
10	REALTEK SEMICONDUCTOR CORPORATION	309	0	0	309
11	MEGA INTERNATIONAL COMMERCIAL BANK CO., LTD.	42	217	11	270
12	CHINA STEEL CORPORATION	133	132	0	265
13	BANK OF TAIWAN	16	243	1	260
14	MEDIATEK INC.	239	0	0	239
15	UNITED MICROELECTRONICS CORP.	221	0	0	221
16	ASUSTEK COMPUTER INC.	100	81	2	183
17	TAIPEI CITY UNIVERSITY OF SCIENCE AND TECHNOLOGY	16	161	0	177
18	LAND BANK OF TAIWAN	12	157	0	169
19	CHUNGHWA TELECOM CO., LTD.	159	1	1	161
20	WINBOND ELECTRONICS CORP.	160	0	0	160

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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 2024 (Top 20)

Rank	Applicant	Number of Grants			
		Invention	Utility Model	Design	Total
1	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY LTD.	1,163	0	0	1,163
2	AU OPTRONICS CORPORATION	451	1	9	461
3	NANYA TECHNOLOGY CORPORATION	400	0	0	400
4	ACER INCORPORATED	241	18	73	332
5	MEDIATEK INC.	316	0	0	316
6	INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE	280	3	2	285
7	MEGA INTERNATIONAL COMMERCIAL BANK CO., LTD.	43	228	2	273
8	INVENTEC CORPORATION	245	24	0	269
9	REALTEK SEMICONDUCTOR CORPORATION	262	0	0	262
10	BANK OF TAIWAN	8	244	0	252
11	DELTA ELECTRONICS, INC.	159	41	36	236
12	CHINA STEEL CORPORATION	91	136	0	227
13	HON HAI PRECISION INDUSTRY CO., LTD.	151	28	12	191
14	ASUSTEK COMPUTER INC.	74	115	1	190
15	TAIWAN COOPERATIVE BANK CO., LTD.	31	158	0	189
16	LAND BANK OF TAIWAN	4	173	0	177
17	INNOLUX CORPORATION	171	0	1	172
18	CHUNGHWA TELECOM CO., LTD.	157	1	0	158
18	COMPAL ELECTRONICS, INC.	115	16	27	158
20	WISTRON CORPORATION	155	1	0	156

Reporting Date: January 11, 2025

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 2024 (Top 20)

Rank	Applicant	Number of Applications			
		Invention	Utility Model	Design	Total
1	APPLIED MATERIALS, INC.	950	2	18	970
2	SAMSUNG ELECTRONICS CO., LTD.	894	0	2	896
3	COUPANG CORP.	698	0	4	702
4	TOKYO ELECTRON LIMITED	661	0	5	666
5	QUALCOMM INCORPORATED	660	0	0	660
6	NITTO DENKO CORPORATION	417	0	0	417
7	ASML NETHERLANDS B.V.	344	0	0	344
8	SHIN-ETSU CHEMICAL CO., LTD.	279	2	12	293
9	SCREEN HOLDINGS CO., LTD.	253	0	35	288
10	LAM RESEARCH CORPORATION	276	0	10	286
11	RESONAC CORPORATION	251	0	14	265
12	FUJIFILM CORPORATION	249	0	2	251
13	WONDERLAND SWITZERLAND AG	167	2	69	238
14	KIOXIA CORPORATION	221	0	0	221
15	PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.	194	0	21	215
15	FANUC CORPORATION	193	0	22	215
17	SUMITOMO CHEMICAL CO., LTD.	213	0	0	213
18	HUAWEI TECHNOLOGIES CO., LTD.	184	0	0	184
19	APPLE INC.	58	0	115	173
20	ASM IP HOLDING B.V.	156	0	6	162

Reporting Date: January 11, 2025

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 2024 (Top 20)

Rank	Applicant	Number of Grants			
		Invention	Utility Model	Design	Total
1	APPLIED MATERIALS, INC.	697	2	32	731
2	SAMSUNG ELECTRONICS CO., LTD.	514	0	0	514
3	QUALCOMM INCORPORATED	435	0	0	435
4	TOKYO ELECTRON LIMITED	421	0	2	423
5	KIOXIA CORPORATION	395	0	1	396
6	NITTO DENKO CORPORATION	305	0	0	305
7	DISCO CORPORATION	246	0	0	246
7	SHIN-ETSU CHEMICAL CO., LTD.	214	4	28	246
9	ASML NETHERLANDS B.V.	231	0	0	231
10	COUPANG CORP.	220	0	0	220
11	SEMICONDUCTOR ENERGY LABORATORY CO., LTD.	219	0	0	219
12	SCREEN HOLDINGS CO., LTD.	210	0	3	213
13	LAM RESEARCH CORPORATION	190	1	20	211
14	APPLE INC.	32	0	169	201
15	RESONAC CORPORATION	188	0	8	196
16	FUJIFILM CORPORATION	176	0	8	184
17	WONDERLAND SWITZERLAND AG	140	5	23	168
18	XI'AN ESWIN MATERIAL TECHNOLOGY CO., LTD.	163	0	0	163
19	SONY SEMICONDUCTOR SOLUTIONS CORPORATION	162	0	0	162
20	LG DISPLAY CO., LTD.	153	0	4	157

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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 2024

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)	155	339	99	11	604	1.09%
Foods & Tobacco	A21-A24	84	166	195	4	449	0.81%
Domestic Articles	A41-A47	399	1,395	358	144	2,296	4.13%
Pharmaceutical & Entertainment	A61-A63 (exclude A61K&A61P,A61Q)	915	1,059	594	56	2,624	4.72%
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	296	37	840	2	1,175	2.12%
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	266	80	633	0	979	1.76%
Separation & Mixing	B01-B09	255	384	420	52	1,111	2.00%
Working of Metal	B21-B32 (exclude B31)	680	886	1,330	32	2,928	5.27%
Printing	B41-B44	24	116	51	6	197	0.35%
Transporting	B60-B68	741	1,666	853	124	3,384	6.09%
Micro-structural Technology; Nano-technology	B81-B82	23	2	37	0	62	0.11%
Inorganic Chemistry, Treatment of Waste Water	C01-C05,C30	199	129	660	15	1,003	1.81%
Organic Chemistry	C07 (exclude C07K \ C07M)	62	0	980	0	1,042	1.88%
Organic Macromolecular Compound	C08	309	10	1,584	1	1,904	3.43%
Dyes, Petroleum, Animal or Vegetable Oils	C09-C11	128	19	1,209	4	1,360	2.45%
Sugar Industries & Pelts/Leather	C13-C14	0	0	0	0	0	0.00%
Metallurgy, Coating Metallic Material & Alloys	C21-C23,C25 (exclude C22K)	174	69	913	13	1,169	2.10%
Textiles & Flexible Materials	D01-D07	109	106	205	38	458	0.82%
Paper Making & Making Paper Articles	D21,B31	10	11	25	3	49	0.09%

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	293	620	139	28	1,080	1.94%
Mining or Quarrying	E21	3	7	3	0	13	0.02%
Engines and Pumps	F01-F04	140	225	131	39	535	0.96%
Hydraulics or Pneumatics in General	F15-F17	268	561	228	42	1,099	1.98%
Lighting; Heating	F21-F28	293	495	211	50	1,049	1.89%
Weapons; Explosive Charges	F41-F42,C06	26	60	25	2	113	0.20%
Optics	G01-G03 (exclude G01N33)	1,646	668	2,479	97	4,890	8.80%
Measuring	G04-G08 (exclude G06F,G06Q)	677	348	505	11	1,541	2.77%
Semiconductor Applications	G09-G12	754	269	642	12	1,677	3.02%
Nuclear Engineering	G21	6	3	29	0	38	0.07%
Electric Power; Generation, Distribution or Conversion of Electric Power, Electric Heating	H02,H05	1,091	725	729	94	2,639	4.75%
Basic Electronic Elements	H01 (exclude H01L)	872	677	1,266	286	3,101	5.58%
Semiconductor Devices	H01L	2,222	294	3,252	46	5,814	10.47%
Basic Electronic Circuitry; Electric Communication Technique	H03,H04	987	267	1,517	57	2,828	5.09%
Electric Digital Data Processing	G06F (exclude 17/60)	1,301	466	887	49	2,703	4.87%
E-business	G06F17/60,G06Q	515	1,455	404	8	2,382	4.29%
Others		562	97	598	0	1,257	2.26%
Total		16,485	13,711	24,031	1,326	55,553	100.00%

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18. Statistics on Valid Patents

Invention & Utility Model

Classification	Invention	Utility Model
A01	2,474	2,052
A21	162	233
A22	35	24
A23	1,673	698
A24	393	60
A41	341	829
A42	127	203
A43	708	683
A44	812	294
A45	435	1,172
A46	104	83
A47	3,161	4,766
A61	15,837	4,776
A62	381	485
A63	2,161	1,796
A99	0	2
B01	3,600	1,192
B02	110	98
B03	92	44
B04	49	17
B05	1,541	464
B06	42	11
B07	136	88
B08	800	257
B09	201	105
B21	992	310
B22	563	82
B23	3,996	1,740
B24	2,035	444
B25	3,387	1,369
B26	395	299
B27	114	123
B28	203	60
B29	3,035	626

Classification	Invention	Utility Model
B30	82	64
B31	56	53
B32	4,389	550
B33	30	6
B41	1,150	306
B42	61	142
B43	147	108
B44	111	147
B60	2,998	2,245
B61	212	59
B62	3,780	2,376
B63	228	176
B64	192	125
B65	5,031	3,920
B66	402	415
B67	116	114
B68	5	7
B81	430	8
B82	369	3
C01	2,443	74
C02	906	445
C03	2,281	85
C04	1,082	27
C05	113	44
C06	8	0
C07	10,923	9
C08	14,478	59
C09	10,474	92
C10	503	31
C11	610	47
C12	2,748	177
C13	11	0
C14	12	1
C21	497	42

Classification	Invention	Utility Model
C22	2,172	25
C23	5,975	189
C25	1,700	224
C30	1,057	36
C40	15	0
D01	608	89
D02	116	58
D03	224	143
D04	509	175
D05	395	153
D06	899	298
D07	13	9
D21	257	39
D99	1	0
E01	141	157
E02	269	182
E03	356	319
E04	1,282	1,586
E05	1,022	796
E06	635	865
E21	86	37
F01	307	170
F02	377	209
F03	462	254
F04	1,951	832
F15	173	56
F16	5,469	3,486
F17	198	108
F21	1,327	828
F22	59	15
F23	522	299

Classification	Invention	Utility Model
F24	1,483	1,292
F25	539	227
F26	163	116
F27	246	80
F28	1,092	395
F41	307	342
F42	25	19
G01	15,880	2,151
G02	15,481	1,868
G03	10,516	473
G04	196	68
G05	2,901	273
G06	36,669	10,290
G07	386	301
G08	1,142	643
G09	6,532	813
G10	1,541	266
G11	7,426	208
G12	31	6
G16	747	339
G21	291	8
G99	1	1
H01	76,058	7,952
H02	8,808	1,834
H03	5,466	148
H04	24,380	1,589
H05	10,236	2,789
H10	873	9
H99	1	0
Total	374,967	83,579

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Note: Counts of valid patents are calculated based on existing patents as of December 31, 2024.

Design

Classification	Design
01	205
02	1,621
03	1,145
04	262
05	275
06	1,957
07	2,085
08	2,621
09	3,260
10	1,975
11	1,871
12	7,027
13	4,320
14	6,455
15	3,107
16	1,402
17	58
18	112
19	587
20	189

Classification	Design
21	1,600
22	359
23	3,012
24	1,580
25	875
26	3,013
27	167
28	1,424
29	276
30	202
31	301
32	10
99	4
Total	53,357

Data Collection Date: January 11, 2025

Note: Counts of valid patents are calculated based on existing patents as of December 31, 2024.

19. Statistics on Pending Patent Applications for Examination (2015~2024)

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		
2015	72,892	4,641	4,854	8,711	179	-	-	-	257	511	87	1,584	93,716
2016	50,293	3,953	4,848	8,390	72	-	-	-	235	408	49	1,125	69,373
2017	44,002	4,859	5,056	6,256	55	-	-	-	202	271	23	620	61,344
2018	46,443	3,287	4,748	4,436	45	-	-	-	162	266	24	492	59,903
2019	48,316	3,728	5,556	4,857	140	-	-	-	152	225	50	384	63,408
2020	49,297	3,855	5,084	6,478	180	-	-	-	205	250	38	604	65,991
2021	50,285	3,626	4,365	7,337	89	-	-	-	228	251	46	451	66,678
2022	52,007	3,669	4,118	7,182	99	-	-	-	238	248	18	369	67,948
2023	52,326	3,814	4,241	6,526	106	-	-	-	205	223	19	314	67,774
2024	52,712	2,431	4,092	5,966	107	-	-	-	213	210	15	245	65,991

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Note: The above statistics exclude the number of applications not requesting substantial examination. (2015:9,684; 2016: 10,142; 2017: 9,707; 2018: 7,716; 2019: 9,261; 2020: 8,007; 2021: 8,945; 2022: 8,871; 2023: 9,148; 2024: 8,515).

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
2015	44,415	24,799	55.83%	1,372	3.09%	12,153	27.36%	1,440	3.24%	39,764	89.52%
2016	43,836	23,321	53.20%	1,462	3.34%	12,788	29.17%	1,724	3.93%	39,295	89.64%
2017	46,122	24,967	54.13%	1,517	3.29%	13,173	28.56%	1,727	3.74%	41,384	89.72%
2018	47,429	27,177	57.30%	1,251	2.64%	12,994	27.40%	1,273	2.68%	42,695	90.02%
2019	48,268	27,736	57.46%	1,284	2.66%	13,335	27.63%	1,121	2.32%	43,476	90.07%
2020	46,664	27,067	58.00%	1,345	2.88%	12,981	27.82%	1,275	2.73%	42,668	91.43%
2021	49,116	27,839	56.68%	1,495	3.04%	13,998	28.50%	1,349	2.75%	44,681	90.97%
2022	50,242	28,008	55.75%	1,619	3.22%	2,981	5.93%	1,396	2.78%	34,004	67.68%
2023	50,854	27,923	54.91%	1,288	2.53%	345	0.68%	1,535	3.02%	31,091	61.14%
2024	50,823	27,031	53.19%	787	1.55%	328	0.65%	1,767	3.48%	29,913	58.87%

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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
2015	113	120
2016	114	133
2017	58	68
2018	95	96
2019	118	86
2020	75	101
2021	69	51
2022	86	112
2023	67	68
2024	92	93

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