

Statistical Data

Applications

Application by IPR type

(unit: cases)

Category	2011	2012	2013	2014	2015
Patents	179,687	192,560	204,589	210,292	213,694
Utility models	11,894	12,463	10,968	9,184	8,711
Subtotal	191,581	205,023	215,557	219,476	222,405
Designs	56,540	63,152	66,940	64,345	67,326
Trademarks	124,000	132,611	147,667	150,226	172,512
Total	372,121	400,786	430,164	434,047	462,243

Note: Figures in parentheses include multiple applications.

PCT applications

(unit: cases)

Category	2011	2012	2013	2014	2015
Number of applications	10,413	11,869	12,439	13,138	14,594
Growth rate	8%	13.9%	4.8%	5.6%	11.1%

International trademark applications under the Madrid System

(unit: cases)

Category	2011	2012	2013	2014	2015
Korea as office of origin	489	499	502	671	835
Korea as designated office	9,821	10,090	10,967	10,402	12,997

International design applications under the Hague System

(unit: cases)

Category	Korea as office of origin	Korea as designated office
January	11	23
February	18	31
March	6	36
April	4	65
May	6	36
June	18	55
July	16	47
August	2	52
September	5	84
October	9	68
November	9	58
December	4	73
2015 total	153	628

Comparison of domestic and foreign applications

(unit: cases)

Category		Domestic		Foreign		Total
		Cases	Ratio	Cases	Ratio	
Patents	2011	138,034	77.7%	40,890	22.3%	178,924
	2012	148,136	78.4%	40,779	21.6%	188,915
	2013	159,978	78.2%	44,611	21.8%	204,589
	2014	164,069	78.0%	46,223	22.0%	210,292
	2015	167,275	78.3%	46,419	21.7%	213,694
Utility models	2011	11,462	96.7%	392	3.3%	11,854
	2012	11,899	95.8%	525	4.2%	12,424
	2013	10,463	95.4%	505	4.6%	10,968
	2014	8,754	95.3%	430	4.7%	9,184
	2015	8,294	95.2%	417	4.8%	8,711

(unit: cases)

Category		Domestic		Foreign		Total
		Cases	Ratio	Cases	Ratio	
Designs	2011	52,812 (54,300)	93.5% (92.8%)	3,712 (4,271)	6.5% (7.2%)	56,524 (58,571)
	2012	59,487 (60,867)	94.2% (93.0%)	3,648 (4,602)	5.8% (7.0%)	63,135 (65,469)
	2013	63,117 (65,441)	94.3% (93.5%)	3,823 (4,550)	5.7% (6.5%)	66,940 (69,991)
	2014	60,796 (63,083)	94.5% (93.3%)	3,549 (4,519)	5.5% (6.7%)	64,345 (67,602)
	2015	64,078 (65,889)	95.2% (93.9%)	3,248 (4,309)	4.8% (6.1%)	67,326 (70,198)
Trademarks	2011	112,575 (132,864)	91.0% (88.1%)	11,239 (18,113)	9.0% (11.9%)	123,814 (150,977)
	2012	120,341 (140,908)	90.8% (87.8%)	12,181 (19,539)	9.2% (12.2%)	132,522 (160,447)
	2013	135,317 (158,077)	91.6% (89.1%)	12,350 (19,401)	8.4% (10.1%)	147,667 (177,478)
	2014	138,098 (164,287)	91.9% (89.4%)	12,128 (19,519)	8.1% (10.6%)	150,226 (183,806)
	2015	160,061 (191,504)	92.8% (90.5%)	12,451 (20,043)	7.2% (9.5%)	172,512 (211,547)
Total	2011	314,883 (336,660)	84.8% (84.1%)	56,233 (63,666)	15.2% (15.9%)	371,116 (400,326)
	2012	339,863 (361,810)	85.6% (84.7%)	57,133 (65,445)	14.4% (15.3%)	396,996 (427,255)
	2013	368,875 (393,959)	85.8% (85.1%)	61,289 (69,067)	14.2% (14.9%)	430,164 (463,026)
	2014	371,717 (400,193)	85.6% (85.0%)	62,330 (70,691)	14.4% (15.0%)	434,047 (470,884)
	2015	399,708 (432,962)	86.5% (85.9%)	62,535 (71,188)	14.5% (14.1%)	462,243 (504,150)

Note: Figures in parentheses include multiple applications.

Patent and utility model applications by technological field in 2015

(unit: cases)

Classification	Patents			Utility models		
	Domestic	Foreign	Subtotal	Domestic	Foreign	Subtotal
Agriculture	2,770	223	2,993	389	6	395
Foodstuffs, Tobacco	4,534	499	5,033	109	5	114
Personal of domestic articles	7,523	560	8,083	1,872	62	1,934
Health, Amusement	8,065	1,952	10,017	633	53	686
Dental, or toilet purposes	4,025	1,945	5,970	5	-	5
Separating, Mixing	3,845	1,043	4,888	119	14	133

(unit: cases)

Classification	Patents			Utility models		
	Domestic	Foreign	Subtotal	Domestic	Foreign	Subtotal
Shaping	3,364	1,016	4,380	91	15	106
Grinding, Polishing, etc	3,975	1,213	5,188	214	10	224
Printing	903	195	1,098	144	2	146
Transporting	14,152	2,204	16,356	1,289	40	1,329
Technology, Nano-technology	88	36	124	-	-	-
Chemistry	3,623	984	4,607	19	5	24
Organic chemistry	1,997	2,752	4,749	-	-	-
Organic macromolecular compounds	2,350	2,163	4,513	-	-	-
Dyes, Petroleum	2,567	1,486	4,053	11	1	12
Biochemistry	2,444	669	3,113	7	-	7
Metallurgy	1,766	1,189	2,955	11	3	14
Textiles or flexible materials	1,707	293	2,000	48	9	57
Paper	204	78	282	4	-	4
Building	8,623	563	9,186	774	16	790
Earth or rock drilling, Mining	362	49	411	16	-	16
Engines of pumps	3,117	1,458	4,575	95	8	103
Engineering in general	3,206	1,089	4,295	225	19	244
Lighting, Heating	6,173	663	6,836	501	24	525
Weapons, Blasting	340	34	374	18	1	19
Instruments	11,706	3,499	15,205	220	21	241
Horology, Computing	19,067	3,461	22,528	194	13	207
Educating, Information storage	4,022	765	4,787	203	4	207
Nucleonics	350	112	462	6	-	6
Electric elements, Electric techniques	21,103	8,047	29,150	485	55	540
Electric communication technique	12,538	4,654	17,192	114	15	129
Others	6,766	1,525	8,291	478	16	494
Total	167,275	46,419	213,694	8,294	417	8,711

Note: Figures for 2015 are preliminary.

Patent applications in biotechnology

(unit: cases)

Category	2011		2012		2013		2014		2015	
	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio
Domestic	4,556	72.2%	4,852	74.6%	5,152	72.8%	5,091	73.3%	5,601	74.0%
Foreign	1,750	27.8%	1,654	25.4%	1,929	27.2%	1,856	26.7%	1,972	26.0%
Total	6,306	100%	6,506	100%	7,081	100%	6,947	100%	7,572	100%

Note1: Figures for 2015 are preliminary.

Note2: Based on the following biotechnological categories of the Eighth Edition of the International Patent Classification: A01H; A01K 67/00-67/04; A01N 63/00-65/00; A61K 8/97-8/99; A61K 8/64-8/68; A61K 35/12-35/76; 36/00-36/9068; A61K 38/00-38/58, 39/00-39/44, 48/00, 51/00-51/10; C02F 3/00-3/34, 11/02-11/04; C07H 19/00-21/04; C07K; C12C-M; C12N; C12P; C12Q; C12S; G01N 33/50-33/98.

Patent applications in business methods

(unit: cases)

Category	2011		2012		2013		2014		2015	
	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio
Domestic	6,167	94.2%	7,259	95.8%	6,828	94.9%	6,813	93.5%	8,621	94.4%
Foreign	375	5.8%	315	4.2%	365	5.1%	476	6.5%	510	5.6%
Total	6,542	100%	7,574	100%	7,193	100%	7,289	100%	9,131	100%

Note1: Figures for 2015 are preliminary.

Note2: Based on the Eighth Edition of the International Patent Classification.

Applications by residents of foreign countries in 2015

(unit: cases)

Countries	Patents	Utility models	Designs	Trademarks	International Trademarks	Total
United States of America	14,655	83	1,172 (1,518)	4,006 (6,795)	2,810 (4,758)	22,726 (27,809)
Japan	15,283	29	923 (1,116)	1,929 (3,292)	1,254 (2,434)	19,418 (22,154)
Germany	4,087	14	171 (244)	241 (488)	1,624 (4,423)	6,137 (9,256)
China	1,947	91	217 (251)	2,654 (3,449)	829 (1,238)	5,738 (6,976)
France	1,984	1	65 (72)	326 (498)	1,015 (2,217)	3,391 (4,772)
Switzerland	1,365	2	76 (143)	221 (296)	844 (1,848)	2,508 (3,654)
United Kingdom	922	3	115 (183)	529 (1,084)	726 (1,964)	2,295 (4,156)
Taiwan	920	148	55 (66)	417 (575)	-	1,540 (1,709)
Italy	469	4	54 (64)	165 (248)	836 (1,736)	1,528 (2,521)
Netherlands	824	7	94 (279)	163 (239)	264 (681)	1,352 (2,030)
Sweden	659	2	40 (50)	39 (53)	202 (570)	942 (1,334)
Canada	362	3	31 (33)	309 (551)	21 (39)	726 (988)
Australia	174	4	14 (15)	129 (262)	350 (788)	671 (1,243)
Austria	334	1	3 (7)	27 (43)	132 (346)	497 (731)
Spain	146	1	8 (14)	71 (108)	267 (466)	493 (735)
Finland	273	-	27 (49)	26 (104)	134 (787)	460 (1,213)
Singapore	156	-	11 (11)	123 (202)	152 (283)	442 (652)
Belgium	229	3	34 (34)	34 (53)	125 (229)	425 (548)
Israel	271	1	13 (13)	38 (57)	75 (114)	398 (456)
Luxembourg	153	1	13 (13)	77 (101)	134 (327)	378 (595)
Denmark	170	5	12 (22)	30 (67)	140 (360)	357 (624)
Norway	110	1	12 (13)	13 (40)	68 (228)	204 (392)
India	139	-	1 (1)	25 (32)	29 (65)	194 (237)
Ireland	94	-	3 (3)	36 (68)	57 (88)	190 (253)
Russian Federation	49	2	4 (8)	6 (6)	125 (294)	186 (359)
Turkey	32	-	-	7 (11)	134 (276)	173 (319)
New Zealand	53	-	5 (6)	45 (76)	60 (105)	163 (240)
Thailand	13	1	7 (9)	121 (147)	-	142 (170)
Brazil	40	-	6 (10)	53 (86)	1 (2)	100 (138)
Poland	30	1	-	14 (22)	47 (110)	92 (163)
Malaysia	17	1	7 (7)	64 (75)	2 (3)	91 (103)
Cayman Islands	51	-	-	34 (153)	3 (8)	88 (212)
Liechtenstein	23	-	18 (18)	3 (4)	40 (110)	84 (155)
Virgin Islands (British)	15	-	-	44 (94)	23 (65)	82 (174)
Czech Republic	22	-	-	7 (22)	50 (81)	79 (125)

Statistical Data

(unit: cases)

Countries	Patents	Utility models	Designs	Trademarks	International Trademarks	Total
Saudi Arabia	71	-	-	4 (7)	1 (1)	76 (79)
Barbados	37	-	10 (10)	9 (13)	8 (10)	64 (70)
Mexico	12	-	-	31 (42)	19 (30)	62 (84)
Cyprus	16	1	-	10 (12)	32 (80)	59 (109)
Bulgaria	5	-	-	4 (4)	40 (58)	49 (67)
Chile	7	-	-	39 (70)	-	46 (77)
Vietnam	10	-	-	12 (12)	24 (44)	46 (66)
Hong Kong	4	2	17 (17)	21 (28)	-	44 (51)
Portugal	11	-	-	4 (5)	28 (43)	43 (59)
United Arab Emirates	10	-	1 (1)	28 (42)	4 (12)	43 (65)
South Africa	17	1	2 (2)	20 (23)	-	40 (43)
Qatar	1	-	-	35 (76)	-	36 (77)
Hungary	20	2	1 (1)	3 (3)	9 (18)	35 (44)
Malta	17	1	-	7 (9)	9 (27)	34 (54)
Greece	12	-	-	5 (21)	14 (30)	31 (63)
Indonesia	2	-	-	28 (35)	1 (4)	31 (41)
Bermuda	12	-	2 (2)	16 (24)	1 (3)	31 (41)
Ukraine	4	-	-	4 (5)	16 (22)	24 (31)
Monaco	2	-	-	13 (14)	8 (57)	23 (73)
Philippines	5	1	1 (1)	6 (8)	8 (13)	21 (28)
Lithuania	3	-	-	11 (13)	5 (10)	19 (26)
Slovakia	4	-	-	-	15 (28)	19 (32)
Bahamas	8	-	-	10 (21)	1 (1)	19 (30)
Iran	1	-	-	-	17 (56)	18 (57)
Iceland	1	-	-	-	12 (26)	13 (27)
Belize	2	-	-	9 (16)	1 (3)	12 (21)
Seychelles	2	-	-	8 (8)	-	10 (10)
Samoa	-	-	-	10 (21)	-	10 (21)
Romania	1	-	-	-	9 (16)	10 (17)
Slovenia	3	-	-	1 (1)	5 (14)	9 (18)
Sri Lanka	-	-	-	8 (9)	-	8 (9)
Jersey (U.K.)	-	-	-	7 (9)	1 (2)	8 (11)
Estonia	1	-	-	-	7 (11)	8 (12)
Latvia	3	-	-	-	5 (10)	8 (13)

(unit: cases)

Countries	Patents	Utility models	Designs	Trademarks	International Trademarks	Total
Cuba	6	-	-	2 (2)	-	8 (8)
Colombia	1	-	-	4 (4)	-	8 (8)
Morocco	-	-	-	1 (1)	5 (8)	7 (10)
Mongolia	-	-	-	7 (13)	-	7 (13)
Macao	-	-	-	6 (6)	-	6 (6)
Mauritius	3	-	-	5 (7)	1 (1)	6 (8)
Kazakhstan	-	-	-	-	3 (6)	6 (9)
Brunei Darussalam	2	-	-	5 (5)	-	5 (5)
Panama	-	-	-	2 (8)	1 (2)	5 (12)
Croatia	3	-	1 (1)	-	4 (7)	5 (8)
Jordan	-	-	-	2 (4)	-	5 (7)
Curacao	5	-	-	-	5 (7)	5 (7)
Bangladesh	2	-	-	-	-	5 (5)
Serbia	-	-	-	-	2 (4)	4 (6)
Paraguay	-	-	-	4 (4)	-	4 (4)
Belarus	1	-	-	-	4 (4)	4 (4)
Argentina	-	-	1 (1)	3 (8)	-	4 (9)
Ecuador	2	-	-	4 (4)	-	4 (4)
Uzbekistan	2	-	-	1 (1)	1 (4)	4 (7)
Saint Vincent and the Grenadines	3	-	-	1 (1)	-	3 (3)
Uruguay	1	-	-	-	-	3 (3)
Syrian Arab Republic	2	-	-	2 (2)	-	3 (3)
Armenia	-	-	-	-	1 (1)	3 (3)
Lebanon	-	-	-	2 (9)	1 (2)	3 (11)
Puerto Rico	-	-	1 (1)	-	1 (1)	2 (2)
Guernsey	-	-	-	-	2 (4)	2 (4)
Dominican Republic	-	-	-	2 (2)	-	2 (2)
Albania	-	-	-	-	2 (4)	2 (4)
Georgia	2	-	-	-	2 (2)	2 (2)
Liberia	2	-	-	-	-	2 (2)
Gibraltar	-	-	-	-	-	2 (2)
Antigua and Barbuda	-	-	-	-	2 (2)	2 (2)
Montenegro	-	-	-	-	2 (7)	2 (7)
Kuwait	-	-	-	2 (2)	-	2 (2)
Ethiopia	-	-	-	1 (1)	-	1 (1)

(unit: cases)

Countries	Patents	Utility models	Designs	Trademarks	International Trademarks	Total
Yemen	-	-	-	1 (1)	-	1 (1)
Isle of Man	-	-	-	-	1 (5)	1 (5)
San Marino	-	-	-	-	1 (3)	1 (3)
Azerbaijan	-	-	-	-	1 (1)	1 (1)
Costa Rica	1	-	-	-	-	1 (1)
Algeria	1	-	-	-	-	1 (1)
Egypt	-	-	-	1 (1)	-	1 (1)
Netherlands Antilles	-	-	-	1 (1)	-	1 (1)
Libya	-	-	-	1 (1)	-	1 (1)
Nigeria	1	-	-	-	-	1 (1)
Sierra Leone	-	-	-	-	1 (2)	1 (2)
Cambodia	-	-	-	1 (2)	-	1 (2)
Afghanistan	-	-	1 (1)	-	-	1 (1)
Kyrgyzstan	-	-	-	1 (1)	-	1 (1)
Total	46,419	417	3,248 (4,309)	12,451 (20,043)	12,916 (27,749)	75,451 (98,937)

Note: Figures in parentheses include multiple applications.

Examinations

Patents and utility models

(unit: cases)

Category		First Action					Final Decisions			
		Approval of registration	Notice of preliminary rejection or amendment	Other notices	Withdrawal or abandonment	Total	Approval of registration	Rejection or cancellation	Withdrawal abandonment, annulment, or rejection	Total
Patents	2011	17,280	153,326	676	3,001	174,283	98,979	49,204	3,001	115,184
	2012	17,115	141,890	477	3,764	163,246	108,236	51,912	3,764	163,912
	2013	18,713	158,828	431	3,899	181,871	121,866	54,029	3,899	179,794
	2014	15,798	146,959	879	3,288	166,924	120,353	53,611	3,288	177,252
	2015	10,433	149,484	947	3,909	164,773	92,748	52,963	3,909	149,620
	Utility models	2011	2,220	14,968	72	536	17,796	7,013	8,010	536
	2012	1,714	11,352	51	432	13,549	7,003	7,459	432	14,894
	2013	1,451	10,085	41	441	12,018	6,086	6,192	441	12,719
	2014	874	8,015	45	390	9,324	5,067	4,937	390	10,394
	2015	425	6,856	39	249	7,569	3,204	3,775	249	7,228

Designs and trademarks

(unit: cases)

Category		First Action				Final Decisions		
		Publication/approval of registration	Notice of preliminary rejection	Other notices	Total	Approval of registration	Rejection	Total
Designs	2011	28,104 (30,274)	26,977 (30,276)	-	55,081 (60,550)	45,379 (49,330)	8,166 (8,892)	53,545 (58,222)
	2012	30,398 (31,168)	32,436 (33,871)	-	62,834 (65,039)	50,960 (52,560)	10,165 (10,477)	61,125 (63,037)
	2013	29,809 (30,757)	34,612 (36,264)	-	64,421 (67,021)	51,636 (53,538)	10,945 (11,381)	62,581 (64,919)
	2014	33,182 (34,149)	35,665 (37,702)	-	68,847 (71,851)	58,878 (61,323)	11,075 (11,713)	69,953 (73,036)
	2015	27,800 (28,987)	38,041 (40,394)	-	65,841 (69,381)	57,006 (59,068)	9,404 (10,072)	66,410 (69,140)
Trademarks	2011	63,823 (72,732)	59,950 (80,590)	-	123,773 (153,322)	78,763 (94,913)	27,141 (32,820)	105,904 (127,733)
	2012	57,215 (63,777)	55,921 (73,897)	-	113,136 (137,674)	85,875 (103,660)	26,943 (32,711)	112,818 (136,371)
	2013	74,674 (81,674)	70,398 (90,933)	-	145,072 (172,607)	110,118 (130,158)	32,168 (38,601)	142,286 (168,759)
	2014	83,475 (94,136)	64,127 (84,104)	-	147,602 (178,240)	111,917 (134,745)	28,771 (34,092)	140,688 (168,837)
	2015	96,005 (108,545)	68,578 (90,758)	-	164,583 (199,303)	128,500 (154,670)	31,745 (38,463)	160,245 (193,133)

Note: Figures in parentheses include multiple applications.

Pendency period for patents, utility models, trademarks, and designs

Average first action pendency

(unit: month)

Category	2011	2012	2013	2014	2015
Patents / Utility models	16.8	14.8	13.2	11.0	10.0
Trademarks	10.0	8.9	7.7	6.4	4.7
Designs	10.0	8.8	7.3	6.5	4.4

Average total pendency

(unit: month)

Category	2011	2012	2013	2014	2015
Patents / Utility models	22.8	21.6	19.1	16.7	16.0
Trademarks	14.6	13.5	12.7	11.5	10.0
Designs	10.4	10.5	9.2	8.5	6.8

International search reports and preliminary examinations undertaken by KIPO

(unit: cases)

Category	2011	2012	2013	2014	2015
International Search Reports	25,666	27,080	29,531	30,160	28,468
International Preliminary Examinations	226	301	252	236	208

Note: Based on KIPO data

Registrations

Registrations by IPR type

(unit: cases)

Category	2011	2012	2013	2014	2015	Growth rate
Patents	94,720	113,467	127,330	129,786	101,873	-21.5%
Utility models	5,853	6,353	5,959	4,955	3,253	-34.3%
Subtotal	100,573	119,820	133,289	134,741	105,126	-22.0%
Designs	42,185	46,146	47,308	54,010	54,551	1.0%
Trademarks	71,255	77,903	100,093	99,791	114,746	15.0%
Total	214,013	243,869	280,690	288,542	274,423	-4.9%

Note: Trademark registration renewals are excluded.

Comparison of domestic and foreign registrations

(unit: cases)

Category		Domestic		Foreign		Total
		Cases	Ratio	Cases	Ratio	
Patents	2011	72,258	76.3%	22,462	23.7%	94,720
	2012	84,061	74.1%	29,406	25.9%	113,467
	2013	95,667	75.1%	31,663	24.9%	127,330
	2014	97,294	75.0%	32,492	25.0%	129,786
	2015	76,319	74.9%	25,554	25.1%	101,873
Utility models	2011	5,705	97.5%	148	2.5%	5,853
	2012	6,151	96.8%	202	3.2%	6,353
	2013	5,718	96.0%	241	4.0%	5,959
	2014	4,682	94.5%	273	5.5%	4,955
	2015	3,073	94.5%	180	5.5%	3,253
Designs	2011	39,443	93.5%	2,742	6.5%	42,185
	2012	42,628	92.4%	3,518	7.6%	46,146
	2013	43,866	92.7%	3,442	7.3%	47,308
	2014	49,856	92.3%	4,154	7.7%	54,010
	2015	49,933	91.5%	4,618	8.5%	54,551

(unit: cases)

Category		Domestic		Foreign		Total
		Cases	Ratio	Cases	Ratio	
Trademarks	2011	55,571	78.0%	15,684	22.0%	71,255
	2012	61,505	79.0%	16,398	21.0%	77,903
	2013	80,372	80.3%	19,721	19.7%	100,093
	2014	80,645	80.8%	19,146	19.2%	99,791
	2015	95,484	83.2%	19,262	16.8%	114,746
Total	2011	172,977	80.8%	41,036	19.2%	214,013
	2012	194,345	79.7%	49,524	20.3%	243,869
	2013	225,623	80.4%	55,067	19.6%	280,690
	2014	232,477	80.6%	56,065	19.4%	288,542
	2015	224,809	81.9%	49,614	18.1%	274,423

Note: Figures in parentheses include multiple applications.

Patent and utility model registrations by technological field in 2015

(unit: cases)

Classification	Patents			Utility models		
	Domestic	Foreign	Subtotal	Domestic	Foreign	Subtotal
Agriculture	1,266	85	1,351	162	-	162
Foodstuffs, Tobacco	1,454	134	1,588	33	-	33
Personal of domestic articles	2,870	322	3,192	736	23	759
Health, Amusement	3,493	1,007	4,500	238	15	253
Preparations for medical, dental, or cosmetic usage	1,733	745	2,478	4	-	4
Separating, Mixing	2,263	581	2,844	59	3	62
Shaping	2,548	582	3,130	60	8	68
Grinding, Polishing	1,816	606	2,422	82	6	88
Printing	381	185	566	49	1	50

(unit: cases)

Classification	Patents			Utility models		
	Domestic	Foreign	Subtotal	Domestic	Foreign	Subtotal
Transporting	6,902	1,244	8,146	540	23	563
Micro-structural technology, Nano-technology	173	45	218	-	-	-
Chemistry	1,536	548	2,084	8	2	10
Organic chemistry	998	1,403	2,401	-	-	-
Organic macromolecular compounds	1,165	1,187	2,352	1	-	1
Dyes, Petroleum	1,266	904	2,170	3	-	3
Biochemistry	1,488	339	1,827	6	-	6
Metallurgy	1,472	677	2,149	7	-	7
Textiles or flexible materials	1,117	257	1,374	23	10	33
Paper	128	69	197	3	-	3
Building	4,467	270	4,737	292	6	298
Earth or rock drilling, Mining	236	26	262	5	-	5
Engines of pumps	1,683	686	2,369	45	4	49
Engineering in general	1,556	627	2,183	91	4	95
Lighting, Heating	2,944	388	3,332	174	5	179
Weapons, Blasting	299	26	325	5	2	7
Instruments	5,356	1,757	7,113	87	10	97
Horology, Computing	7,340	1,938	9,278	56	22	78
Educating, Information storage	1,342	633	1,975	59	1	60
Nucleonics	348	62	410	8	-	8
Electric elements, Electric techniques	9,031	4,641	13,672	188	29	217
Electric circuitry, Electriccommunicationtechnique	7,450	3,567	11,017	44	6	50
Others	198	13	211	5	-	5
Total	76,319	25,554	101,873	3,073	180	3,253

Note: Figures for 2015 are preliminary.

Patent registrations in biotechnology

(unit: cases)

Category	2011		2012		2013		2014		2015	
	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio
Domestic	2,207	82.7%	2,757	74.4%	3,294	76.9%	3,604	79.6%	2,917	77.3%
Foreign	462	17.3%	951	25.6%	989	23.1%	926	20.4%	857	22.7%
Total	2,669	100.0%	3,708	100.0%	4,283	100.0%	4,530	100.0%	3,774	100%

Note1: Figures for 2015 are preliminary.

Note2: Based on the following biotechnological categories of the Eighth Edition of the International Patent Classification: A01H; A01K 67/00-67/04; A01N 63/00-65/00; A61K 8/97-8/99; A61K 8/64-8/68; A61K 35/12-35/76; 36/00-36/9068; A61K 38/00-38/58, 39/00-39/44, 48/00, 51/00-51/10; C02F 3/00-3/34, 11/02-11/04; C07H 19/00-21/04; C07K; C12C-M; C12N; C12P; C12Q; C12S; G01N 33/50-33/98.

Patent registrations in business methods

(unit: cases)

Category	2011		2012		2013		2014		2015	
	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio
Domestic	1,579	91.4%	1,959	89.0%	1,860	91.0%	2,087	92.8%	2,023	92.9%
Foreign	148	8.6%	243	11.0%	185	9.0%	162	7.2%	154	7.1%
Total	1,727	100.0%	2,202	100.0%	2,045	100.0%	2,249	100.0%	2,177	100%

Note1: Figures for 2015 are preliminary.

Note2: Based on the Eighth Edition of the International Patent Classification.

Registrations by resident of foreign countries in 2015

(unit: cases)

Countries	Patents	Utility models	Designs	Trademarks	International Trademarks	Total
United States of America	7,337	26	1,217 (1,265)	3,922 (6,375)	1,444 (2,345)	13,946
Japan	9,615	16	1,186 (1,199)	2,155 (3,422)	803 (1,694)	13,776
Germany	2,201	8	266 (364)	211 (355)	1,114 (2,713)	3,895
China	853	22	164 (167)	1,699 (2,329)	566 (812)	3,304
France	1,195	2	124 (267)	284 (441)	645 (1,412)	2,392
Switzerland	711	1	123 (306)	346 (525)	563 (1,136)	1,917
United Kingdom	333	-	264 (272)	585 (1,096)	417 (1,065)	1,607
Italy	224	-	61 (133)	214 (322)	541 (1,139)	1,111
Netherlands	529	-	248 (273)	141 (224)	154 (366)	1,097
Taiwan	468	89	55 (55)	421(553)	-	1,033
Sweden	402	1	59 (63)	72 (132)	131 (326)	669
Canada	269	-	33 (34)	251 (499)	17 (29)	571
Finland	205	2	49 (51)	10 (35)	85 (468)	353
Australia	67	4	11 (13)	117 (171)	148 (278)	349
Singapore	122	-	11 (12)	119 (298)	64 (125)	317
Spain	46	-	9 (10)	51 (77)	154 (242)	261
Austria	143	1	4 (4)	7 (13)	89 (210)	244
Belgium	141	-	9 (9)	19 (25)	75 (211)	244
Denmark	74	1	21 (21)	29 (71)	111 (238)	236
Israel	112	2	14 (14)	25 (33)	50 (70)	203
Luxembourg	82	-	6 (8)	46 (86)	62 (161)	198
Ireland	45	1	4 (4)	36 (45)	59 (106)	145
India	66	-	1 (1)	26 (33)	12 (18)	105
Norway	40	-	12 (12)	19 (39)	25 (72)	96
Russian Federation	12	2	2 (2)	11 (23)	62 (168)	89
Thailand	5	-	1 (1)	80 (103)	1 (2)	87
New Zealand	10	-	6 (6)	30 (41)	34 (74)	80
Virgin Islands (British)	23	-	-	37 (104)	16 (72)	76
Brazil	16	-	28 (28)	27 (44)	2 (3)	73
Turkey	9	-	1 (1)	4 (4)	52 (90)	66
Liechtenstein	8	-	18 (24)	5 (6)	24 (41)	61
Malaysia	9	-	6 (6)	39 (50)	2 (2)	56
Saudi Arabia	22	-	-	30 (68)	1 (1)	53
Mexico	17	-	-	32 (38)	1 (1)	50
Chile	2	-	-	47 (50)	-	49

Statistical Data

(unit: cases)

Countries	Patents	Utility models	Designs	Trademarks	International Trademarks	Total
Malta	1	-	-	10 (19)	34 (113)	45
Portugal	7	-	-	7 (15)	26 (45)	40
United Arab Emirates	-	-	18 (18)	17 (21)	5 (8)	40
South Africa	18	-	1 (1)	20 (50)	-	39
Cayman Islands	25	-	-	11 (41)	2 (3)	38
Czech Republic	2	-	1 (1)	1 (1)	32 (54)	36
Hong Kong	-	-	10 (10)	26 (44)	-	36
Bermuda	3	-	8 (36)	16 (24)	5 (25)	32
Poland	6	-	6 (6)	2 (2)	17 (42)	31
Bahamas	8	-	-	17 (35)	3 (10)	28
Indonesia	1	-	-	26 (47)	-	27
Vietnam	-	-	-	10 (12)	16 (23)	26
Barbados	18	-	4 (4)	3 (5)	1 (2)	26
Bulgaria	2	-	- (4)	-	18 (27)	24
Cyprus	4	-	-	7 (8)	11 (28)	22
Ukraine	4	-	-	3 (5)	14 (30)	21
Greece	9	-	- (1)	-	8 (11)	18
Philippines	-	-	1 (1)	13 (15)	4 (4)	18
Iceland	3	-	-	1 (1)	12 (27)	16
Hungary	3	-	1 (1)	3 (5)	8 (21)	15
Monaco	-	-	-	11 (15)	3 (19)	14
Mauritius	1	-	-	11 (13)	1 (1)	13
Slovakia	1	-	5 (5)	-	6 (17)	12
Republic of Korea	-	-	- (3)	-	8 (12)	11
Romania	-	-	-	-	9 (10)	10
Samoa	-	-	-	10 (15)	-	10
Cuba	7	-	-	-	2 (2)	9
Lithuania	-	-	-	3 (3)	5 (13)	8
Colombia	1	-	-	5 (9)	2 (2)	8
Slovenia	4	-	2 (2)	-	2 (8)	8
Croatia	-	-	1 (1)	6 (6)	1 (3)	8
Jersey (U.K.)	-	-	-	8 (12)	-	8
Qatar	-	-	-	8 (17)	-	8
Iran	1	-	-	3 (7)	3 (4)	7
Argentina	1	-	-	6 (6)	-	7
Morocco	-	-	-	3 (7)	3 (3)	6
Estonia	-	-	3 (-)	-	2 (2)	5
Belize	-	2	-	2 (2)	1 (2)	6

(unit: cases)

Countries	Patents	Utility models	Designs	Trademarks	International Trademarks	Total
Seychelles	1	-	-	4 (4)	-	5
Ecuador	-	-	-	4 (4)	-	4
Panama	2	-	-	2 (2)	-	4
Belarus	-	-	-	-	3 (17)	3
Georgia	-	-	-	-	3 (3)	3
Egypt	-	-	-	1 (1)	2 (2)	3
Lebanon	-	-	-	1 (1)	2 (3)	3
Sri Lanka	-	-	-	3 (4)	-	3
Peru	-	-	-	3 (3)	-	3
Pakistan	-	-	-	3 (3)	-	3
Fiji	-	-	-	-	2 (2)	2
Kazakhstan	1	-	-	-	1 (2)	2
Latvia	1	-	-	-	1 (1)	2
Serbia	1	-	-	-	1 (4)	2
Armenia	-	-	-	2 (2)	-	2
Brunei Darussalam	-	-	-	2 (2)	-	2
Jamaica	2	-	-	-	-	2
Mongolia	-	-	-	2 (2)	-	2
Andorra	-	-	-	-	1 (2)	1
Antigua and Barbuda	-	-	-	-	1 (3)	1
Bosnia and Herzegovina	-	-	-	-	1 (1)	1
Curacao	-	-	-	-	1 (1)	1
Gibraltar	-	-	-	-	1 (1)	1
Republic of Macedonia	-	-	-	-	1 (1)	1
Sierra Leone	-	-	-	-	1 (2)	1
Tunisia	-	-	-	-	1 (1)	1
The West Indies	-	-	-	1 (3)	-	1
Dominican Republic	-	-	-	1 (1)	-	1
Iraq	-	-	-	1 (1)	-	1
Jordan	-	-	1 (1)	-	-	1
Kenya	1	-	-	-	-	1
Saint Lucia	-	-	-	1 (3)	-	1
Marshall Islands	1	-	-	-	-	1
Macao	-	-	-	1 (2)	-	1
Nepal	-	-	-	1 (1)	-	1
Oman	-	-	-	1 (1)	-	1
San Marino	-	-	-	1 (1)	-	1
Uruguay	1	-	-	-	-	1

Trials and appeals

Trials and appeals requested

(unit: cases)

Category		2011	2012	2013	2014	2015
Rejection	Patents	8,421	8,887	7,019	6,123	6,093
	Utility models	245	190	147	116	112
	Designs	135 (136)	141 (141)	124 (135)	154 (156)	119
	Trademarks	1,977 (2,949)	1,854 (2,899)	1,907 (2,776)	1,816 (2,656)	1,559 (2,293)
	Subtotal	10,778 (11,751)	11,072 (12,117)	9,197 (10,077)	8,209 (9,051)	7,883 (8,617)
Appeals against examiner's decision to dismiss amendment	Patents	2	3	1	-	-
	Utility models	-	-	-	-	-
	Designs	3 (3)	4 (4)	12 (12)	11 (11)	7 (15)
	Trademarks	2 (2)	1 (1)	4 (8)	1 (1)	6 (7)
	Subtotal	7 (7)	8 (8)	17 (21)	12 (12)	13 (22)
Appeals against examiner's decision of cancellation	Patents	1	-	1	-	-
	Utility models	8	9	2	1	1
	Designs	2 (2)	10 (10)	2 (1)	4 (4)	4
	Trademarks	-	-	-	-	-
	Subtotal	11 (11)	19 (19)	5 (5)	5 (5)	5
Trials for correction	Patents	111	131	142	140	134
	Utility models	7	9	6	6	6
	Designs	-	-	-	-	-
	Trademarks	-	-	-	-	-
	Subtotal	118 (118)	140 (140)	148 (148)	146 (146)	140
Invalidation	Patents	722	664	573	687	2,194
	Utility models	121	101	96	64	80
	Designs	179 (179)	260 (267)	191 (201)	254 (255)	209 (210)
	Trademarks	411 (502)	423 (493)	443 (544)	467 (550)	584 (658)
	Subtotal	1,433 (1,524)	1,448 (1,525)	1,303 (1,414)	1,472 (1,556)	3,067 (3,142)

(unit: cases)

Category		2011	2012	2013	2014	2015
Trials to confirm scope of IP right	Patents	405	354	375	385	691
	Utility models	92	93	84	64	53
	Designs	119 (119)	154 (155)	125 (126)	149 (149)	138
	Trademarks	89 (109)	80 (122)	83 (186)	90 (119)	93 (132)
	Subtotal	705 (725)	681 (724)	667 (771)	688 (717)	975 (1,014)
Cancellation trials on trademark registration	Patents	2	-	-	-	-
	Utility models	-	-	1	-	-
	Designs	-	-	-	-	-
	Trademarks	1,376 (1,745)	1,379 (1,686)	1,676 (2,069)	1,449 (1,826)	1903 (2305)
	Subtotal	1,378 (1,747)	1,379 (1,686)	1,677 (2,070)	1,449 (1,826)	1903 (2305)
Grand total	Patents	9,664	10,039	8,111	7,335	9,112
	Utility models	473	402	336	251	252
	Designs	438 (439)	569 (577)	454 (476)	572 (575)	477 (486)
	Trademarks	3,855 (5,307)	3,737 (5,201)	4,113 (5,583)	3,823 (5,152)	4,145 (5,395)
	Grand total	14,430 (15,883)	14,747 (16,219)	13,014 (14,506)	11,981 (13,313)	13,986 (15,245)

Note: Figures in parentheses include multiple applications.

· Ex partes: Appeals against examiners' decisions of refusal / Appeals against examiners' decisions of cancellation / Appeals against examiners' decisions to dismiss amendments / Trials for correction

· Inter partes: Invalidation trials / Trials to confirm scope of IP rights / Trials for invalidation of correction / Trials for granting non-exclusive licenses / Trials for invalidation of registrations for extension of patent right term / Trials for invalidation of registration for renewals of trademark right term / Cancellation trials on trademark registrations / Cancellation trials on registrations of exclusive or non-exclusive licenses / Trials for invalidation on registrations for conversion of classification of goods

* Rejection refers to appeals against examiners' decisions of refusal and appeals against examiners' decisions to dismiss utility models.

** Invalidation refers to invalidation trials and trials for invalidation of corrections.

Successful petitions

(unit: cases)

Category	2011		2012		2013		2014		2015		
	Acceptance	Ratio	Acceptance	Ratio	Acceptance	Ratio	Acceptance	Ratio	Acceptance	Ratio	
Ex partes	Patents	1,248	28.8%	1,473	33.3%	1,394	32.1%	1,190	27.8%	1,046	30.4%
	Utility models	74	27.8%	61	30.2%	65	38.7%	29	25.0%	29	27.6%
	Designs	74 (74)	39.8% (39.8%)	50 (50)	37.3% (37.0%)	37 (37)	30.6% (30.6%)	66 (77)	42.0% (45.8%)	46 (54)	35.4% (39.1%)
	Trademarks	1,144 (1,894)	55.3% (61.0%)	1,025 (1,652)	53.1% (56.6%)	1,062 (1,825)	52.9% (58.1%)	864 (1,321)	49.3% (53.4%)	844 (1,368)	52.4% (58.7%)
	Subtotal	2,540 (3,290)	37.1% (41.7%)	2,609 (3,236)	39.0% (42.2%)	2,558 (3,321)	38.6% (42.8%)	2,149 (2,617)	34.0% (37.1%)	1,965 (2,497)	37.2% (41.5%)
Inter partes	Patents	552	48.5%	576	49.5%	463	45.6%	457	50.7%	687	38.7%
	Utility models	142	51.3%	105	47.3%	95	47.0%	52	38.8%	66	56.9%
	Designs	233 (233)	53.8% (53.8%)	173 (174)	48.7% (48.9%)	160 (176)	46.5% (48.9%)	167 (169)	51.1% (51.4%)	161 (161)	47.5% (47.5%)
	Trademarks	1,180 (1,402)	63.1% (61.6%)	1,194 (1,376)	61.6% (59.6%)	1,321 (1,579)	66.1% (66.3%)	1,218 (1,490)	65.1% (66.3%)	1,401 (1,653)	69.0% (68.1%)
	Subtotal	2,107 (2,329)	56.7% (56.5%)	2,048 (2,231)	55.7% (55.1%)	2,039 (2,313)	57.3% (58.4%)	1,894 (2,168)	58.6% (60.0%)	2,315 (2,567)	54.4% (55.1%)
Total	Patents	1,800	32.9%	2,049	36.7%	1,857	34.7%	1,647	31.7%	1,733	33.2%
	Utility models	216	39.8%	166	39.2%	160	43.2%	81	32.4%	95	43.0%
	Designs	307 (307)	49.6% (49.6%)	223 (224)	45.6% (45.6%)	197 (213)	42.4% (44.3%)	233 (246)	48.1% (49.5%)	207 (215)	44.1% (45.1%)
	Trademarks	2,324 (3,296)	59.0% (61.3%)	2,219 (3,028)	57.4% (57.9%)	2,383 (3,404)	59.5% (61.6%)	2,082 (2,811)	57.4% (59.5%)	2,245 (3,021)	61.7% (63.5%)
	Total	4,647 (5,619)	44.0% (46.8%)	4,657 (5,467)	44.9% (46.6%)	4,597 (5,634)	45.1% (48.0%)	4,043 (4,785)	42.3% (44.9%)	4,280 (5,064)	44.8% (47.5%)

Note1: Figures in parentheses include multiple applications.

Note2: The successful petitions refer to the number of petitions granted. These figures exclude cases where the registration was decided on the basis of an examiner's reconsideration before a trial and invalidation of a patent process. The figures in parentheses indicate the percentage of the petitions granted.

- Ex partes: Appeals against examiners' decisions of refusal / Appeals against examiners' decisions of cancellation / Appeals against examiners' decisions to dismiss amendments / Trials for correction

- Inter partes: Invalidation trials / Trials to confirm scope of IP rights / Trials for invalidation of correction / Trials for granting non-exclusive licenses / Trials for invalidation of registrations for extension of patent right term / Trials for invalidation of registration for renewals of trademark right term / Cancellation trials on trademark registrations / Cancellation trials on registrations of exclusive or non-exclusive licenses / Trials for invalidation on registrations for conversion of classification of goods

Comparison of domestic and foreign trial requests

(unit: cases)

Category	2011		2012		2013		2014		2015	
	Domestic	Foreign	Domestic	Foreign	Domestic	Foreign	Domestic	Foreign	Domestic	Foreign
Patents	5,813	3,851	4,848	5,191	4,098	4,013	3,814	3,521	5,809	3,303
Utility models	468	5	396	6	329	7	244	7	240	12
Designs	374	65	515	62	419	57	514	61	432	54
Trademarks	3,080	2,227	2,528	2,673	2,957	2,626	2,869	2,283	3,057	2,338
Total	9,735	6,148	8,287	7,932	7,803	6,703	7,441	5,872	9,538	5,707

Note: Multiple applications for trademarks and designs are treated as single applications.

Income and expenditures / KIPO staff

Income

(unit: US dollar)

Category	2011	2012	2013	2014	2015
Income from fees	315,743,636	345,367,273	375,804,545	394,844,545	414,455,455
Income carried over from the previous year	31,044,545	34,099,091	28,054,545	33,515,455	31,426,364
Internal income and others	5,895,455	8,350,000	15,750,000	15,640,000	49,564,545
Total	352,683,636	387,816,364	419,609,091	444,000,000	495,843,636

Exchange rates: US \$1 = 1,100 (in Korean won)

Expenditures

(unit: US dollar)

Category	2011	2012	2013	2014	2015
Non-personnel resources (projects)	207,110,000	228,000,909	236,025,455	263,656,364	276,374,545
Personnel resources	87,794,545	95,822,727	100,612,727	102,949,091	109,799,090
Deposit for special fund	27,272,727	41,818,182	52,727,273	48,370,000	91,670,000
Total	322,177,273	365,641,818	389,365,455	414,975,455	477,843,636

Exchange rates: US \$1 = 1,100 (in Korean won)

KIPO staff

(unit: number of positions)

Category	2011	2012	2013	2014	2015	
Examiners	Patent and utility models	692	711	710	724	741
	Industrial designs and Trademarks	135	145	148	151	159
Trial judges	88	88	88	90	95	
Administrative staff	661	635	622	622	605	
Total	1,576	1,579	1,568	1,587	1,600	

Advanced degrees/special certificates possessed by KIPO staff at the time of their hiring

(unit: number of staff)

Category	Ph. D	Master's Degrees	Patent attorney certificate only	Lawyer certificate only	Professional Engineer certificate only	
Examiners	Patent and utility models	316	30	21	1	25
	Trademark	4	1	5	6	0
	Industrial designs	6	2	2	1	0
	Total	326	33	28	8	25