

Statistical Data

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Applications

Application by IPR type

unit: cases

IPR type	2007	2008	2009	2010	2011
Patents	172,469	170,632	163,523	170,101	178,924
Utility models	21,084	17,405	17,144	13,661	11,854
Subtotal	193,553	188,037	180,667	183,762	190,778
Industrial designs	54,362 (55,662)	56,750 (58,912)	57,903 (59,537)	57,187 (59,204)	56,524 (58,571)
Trademarks	132,288 (180,257)	127,910 (178,211)	126,420 (162,682)	121,125 (153,179)	123,814 (150,977)
Total	380,203 (429,472)	372,697 (425,160)	364,990 (402,886)	362,074 (396,145)	371,116 (400,326)

Note: 1: Figures in parenthesis include multiple applications.

2: Trademark statistics include registration applications renewed prior to the amended Trademark Act (July 28, 2010).

PCT applications

unit: cases

Year	2007	2008	2009	2010	2011
Number of applications	7,064	7,899	8,035	9,669	10,447
Growth rate (%)	18.8	11.8	1.7	20.3	8.0

Note: Based on WIPO statistics.

International trademark applications under the Madrid Protocol

unit: cases

Period	Office of origin	Designated office
2007	283	9,072
2008	216	9,745
2009	282	7,824
2010	405	8,017
2011	536	10,420

Comparison of domestic and foreign applications

unit: cases, %

		Domestic		Foreign		Total
		Cases	%	Cases	%	
Patents	2007	128,701	74.6	43,768	25.4	172,469
	2008	127,114	74.5	43,518	25.5	170,632
	2009	127,316	77.9	36,207	22.1	163,523
	2010	131,805	77.5	38,296	22.5	170,101
	2011	138,034	77.1	40,890	22.9	178,924
Utility models	2007	20,632	97.9	452	2.1	21,084
	2008	16,971	97.5	434	2.5	17,405
	2009	16,801	98.0	343	2.0	17,144
	2010	13,193	96.6	468	3.4	13,661
	2011	11,462	96.7	392	3.3	11,854
Industrial designs	2007	50,868 (52,055)	93.6 (93.5)	3,494 (3,607)	6.4 (6.5)	54,362 (55,662)
	2008	52,786 (54,278)	93.0 (92.1)	3,964 (4,634)	7.0 (7.9)	56,750 (58,912)
	2009	54,934 (56,391)	94.9 (94.7)	2,969 (3,146)	5.1 (5.3)	57,903 (59,537)
	2010	53,601 (55,369)	93.7 (93.5)	3,586 (3,835)	6.3 (6.5)	57,187 (59,204)
	2011	52,812 (54,300)	93.4 (92.7)	3,712 (4,271)	6.6 (7.3)	56,524 (58,571)
Trademarks	2007	112,157 (147,489)	84.8 (81.8)	20,131 (32,768)	15.2 (18.2)	132,288 (180,257)
	2008	107,487 (144,920)	84.0 (81.3)	20,423 (33,291)	16.0 (18.7)	127,910 (178,211)
	2009	108,170 (134,019)	85.6 (82.4)	18,250 (28,663)	14.4 (17.6)	126,420 (162,682)
	2010	106,896 (129,993)	88.3 (84.9)	14,229 (23,186)	11.7 (15.1)	121,125 (153,179)
	2011	112,575 (132,864)	90.9 (88.0)	11,239 (18,113)	9.1 (12.0)	123,814 (150,977)
Total	2007	312,358 (348,877)	82.2 (81.2)	67,845 (80,595)	17.8 (18.8)	380,203 (429,472)
	2008	304,358 (343,283)	81.7 (80.7)	68,339 (81,877)	18.3 (19.3)	372,697 (425,160)
	2009	307,221 (334,527)	84.2 (83.0)	57,769 (68,359)	15.8 (17.0)	364,990 (402,886)
	2010	305,495 (330,360)	84.4 (83.4)	56,579 (65,785)	15.6 (16.6)	362,074 (396,145)
	2011	314,883 (336,660)	84.8 (84.1)	56,233 (63,666)	15.2 (15.9)	371,116 (400,326)

Note: Figures in parentheses include multiple applications.

Patent and utility model applications in 2011 by IPC

unit: cases

Classification	Patents			Utility models		
	Domestic	Foreign	Total	Domestic	Foreign	Total
Agriculture	2,368 (1.7%)	158 (0.4%)	2,526 (1.4%)	517 (4.5%)	2 (0.5%)	519 (4.4%)
Foodstuffs, Tobacco	3,116 (2.3%)	259 (0.6%)	3,375 (1.9%)	180 (1.6%)	1 (0.3%)	181 (1.5%)
Personal of domestic articles	5,315 (3.9%)	513 (1.3%)	5,828 (3.3%)	2433 (21.2%)	44 (11.2%)	2477 (20.9%)
Health, Amusement	5,430 (3.9%)	1,529 (3.7%)	6,959 (3.9%)	945 (8.2%)	44 (11.2%)	989 (8.3%)
dental, or toilet purposes	2,851 (2.1%)	1,705 (4.2%)	4,556 (2.5%)	10 (0.1%)	1 (0.3%)	11 (0.1%)
Separating, Mixing	3,459 (2.5%)	928 (2.3%)	4,387 (2.5%)	211 (1.8%)	12 (3.1%)	223 (1.9%)
Shaping	3,254 (2.4%)	812 (2.0%)	4,066 (2.3%)	250 (2.2%)	13 (3.3%)	263 (2.2%)
Grinding, Polishing, ...	3,316 (2.4%)	978 (2.4%)	4,294 (2.4%)	299 (2.6%)	12 (3.1%)	311 (2.6%)
Printing	960 (0.7%)	279 (0.7%)	1,239 (0.7%)	288 (2.5%)	5 (1.3%)	293 (2.5%)
Transporting	10,692 (7.7%)	1,810 (4.4%)	12,502 (7.0%)	1539 (13.4%)	34 (8.7%)	1573 (13.3%)
technology, Nano-technology	276 (0.2%)	68 (0.2%)	344 (0.2%)	(0.0%)	1 (0.3%)	1 (0.0%)
Chemistry	2,875 (2.1%)	931 (2.3%)	3,806 (2.1%)	51 (0.4%)	3 (0.8%)	5.4 (0.5%)
Organic chemistry	1,192 (0.9%)	2,810 (6.9%)	4,002 (2.2%)	2 (0.0%)	(0.0%)	2 (0.0%)
Organic macromolecular compounds	1,779 (1.3%)	1,828 (4.5%)	3,607 (2.0%)	2 (0.0%)	(0.0%)	2 (0.0%)
Dyes, Petroleum	2,219 (1.6%)	1,365 (3.3%)	3,584 (2.0%)	20 (0.2%)	(0.0%)	20 (0.2%)
Biochemistry	1,946 (1.4%)	603 (1.5%)	2,549 (1.4%)	14 (0.1%)	(0.0%)	14 (0.1%)
Metallurgy	2,339 (1.7%)	1,073 (2.6%)	3,412 (1.9%)	19 (0.2%)	3 (0.8%)	22 (0.2%)
Textiles or flexible materials	1,470 (1.1%)	296 (0.7%)	1,766 (1.0%)	97(0.8%)	11 (2.8%)	108 (0.9%)
Paper	193 (0.1%)	67 (0.2%)	260 (0.1%)	9 (0.1%)	1 (0.3%)	10 (0.1%)
Building	7,549 (5.5%)	339 (0.8%)	7,888 (4.4%)	998 (8.7%)	19 (4.8%)	1017 (8.6%)
Earth or rock drilling, Mining	328 (0.2%)	26 (0.1%)	354 (0.2%)	9 (0.1%)	(0.0%)	9 (0.1%)
Engines of pumps	3,126 (2.3%)	998 (2.4%)	4,124 (2.3%)	144 (1.3%)	7 (1.8%)	151 (1.3%)
Engineering in general	2,559 (1.9%)	801 (2.0%)	3,360 (1.9%)	285 (2.5%)	9 (2.3%)	294 (2.5%)
Lighting, Heating	5,616 (4.1%)	811 (2.0%)	6,427 (3.6%)	647 (5.6%)	22 (5.6%)	669 (5.6%)
Weapons, Blasting	301 (0.2%)	48 (0.1%)	349 (0.2%)	12 (0.1%)	(0.0%)	12 (0.1%)

unit: cases

Classification	Patents			Utility models		
	Domestic	Foreign	Total	Domestic	Foreign	Total
Instruments	9,546 (6.9%)	3,181 (7.8%)	12,727 (7.1%)	304 (2.7%)	34 (8.7%)	338 (2.9%)
Horology, Computing	15,306 (11.1%)	2,747 (6.7%)	18,053 (10.1%)	359 (3.1%)	38 (9.7%)	397 (3.3%)
Educating, Information storage	3,488 (2.5%)	988 (2.4%)	4,476 (2.5%)	293 (2.6%)	7 (1.8%)	300 (2.5%)
Nucleonics	344 (0.2%)	78 (0.2%)	422 (0.2%)	10 (0.1%)	(0.0%)	10 (0.1%)
Electric elements, Electric techniques	18,994 (13.8%)	7,548 (18.5%)	26,542 (14.8%)	718 (6.3%)	53 (13.5%)	771 (6.5%)
Electric communication technique	11,478 (8.3%)	4,764 (11.7%)	16,242 (9.1%)	272 (2.4%)	7 (1.8%)	279 (2.4%)
Others	4,349 (3.2%)	549 (1.3%)	4,898 (2.7%)	525 (4.6%)	9 (2.3%)	534 (4.5%)
Total	138,034 (100.0%)	40,890 (100.0%)	178,924 (100.0%)	11,462 (100.0%)	392 (100.0%)	11,854 (100.0%)

Patent applications in biotechnology

unit: cases

	2007		2008		2009		2010		2011	
	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio
Domestic	3,295	67.5	3,398	67.1	3,789	73.3	4,339	72.5	4,556	76.1
Foreign	1,587	32.5	1,669	32.9	1,380	26.7	1,648	27.5	1,750	29.2
Total	4,882	100.0	5,067	100.0	5,169	100.0	5,987	100.0	5,987	100.0

Note: 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

	2007		2008		2009		2010		2011	
	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio
Domestic	6,280	87.8%	4,788	86.4	4,903	94.2	4,944	93.7	6,167	94.3
Foreign	603	12.2%	375	13.6	301	5.8	337	6.3	375	5.7
Total	6,883	100.0%	5,163	100.0	5,204	100.0%	5,331	100.0%	6,542	100.0%

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

Applications by residents of foreign countries in 2011

unit: cases

Classification	Patents	Utility models	Designs	Trademarks	International Trademarks	Total
Japan	15,234	45	1,668 (1,757)	2,927 (4,903)	1,034 (2,271)	20,908 (24,210)
United States of America	12,139	29	823 (1,211)	4,207 (6,628)	1,796 (2,820)	18,994 (22,827)
Germany	3,598	7	250 (258)	242 (415)	1,624 (4,152)	5,721 (8,430)
France	1,753		79 (86)	357 (506)	932 (2,050)	3,121 (4,395)
China	752	64	124 (125)	797 (1,150)	868 (1,246)	2,605 (3,337)
Switzerland	1,073	2	114 (122)	241 (431)	894 (1,833)	2,324 (3,461)
United Kingdom	737	1	79 (99)	410 (818)	456 (1,153)	1,683 (2,808)
Italy	358	3	83 (93)	180 (294)	735 (1,561)	1,359 (2,309)
Netherlands	1,045		100 (102)	97 (140)	230 (551)	1,472 (1,838)
Taiwan, Province of China	694	218	86 (86)	310 (391)		1,308 (1,389)
Sweden	573		44 (47)	50 (73)	159 (327)	826 (1,020)
Australia	167	2	17 (17)	131 (242)	177 (403)	494 (831)
Canada	466	3	17 (20)	180 (323)	21 (35)	687 (847)
Singapore	142		4 (4)	103 (163)	141 (401)	390 (710)
Spain	118		27 (27)	41 (56)	173 (407)	359 (608)
Finland	334	1	27 (27)	13 (25)	82 (282)	457 (669)
Austria	190	1	7 (9)	12 (15)	129 (374)	339 (589)
Luxembourg	81		15 (23)	62 (133)	91 (264)	249 (501)
Belgium	263		8 (8)	12 (12)	116 (224)	399 (507)
Denmark	187	1	46 (46)	22 (39)	103 (189)	359 (462)
Russian Federation	31	4		1 (1)	106 (262)	142 (298)
Israel	212	2	6 (7)	23 (29)	34 (44)	277 (294)
Norway	78		19 (27)	3 (5)	63 (155)	163 (265)
Turkey	11	2		8 (10)	89 (219)	110 (242)
Ireland	51			55 (109)	37 (68)	143 (228)
Liechtenstein	26		30 (30)	2 (5)	33 (109)	91 (170)
New Zealand	34			63 (116)		97 (150)
Virgin Islands (British)	35			50 (101)	5 (13)	90 (149)
Malaysia	20			75 (96)	2 (2)	97 (118)

unit: cases

Classification	Patents	Utility models	Designs	Trademarks	International Trademarks	Total
The Hong Kong SAR of China	14		8 (9)	53 (83)		75 (106)
India	109		2 (2)	27 (27)		138 (138)
Bermuda	59			37 (70)		96 (129)
Brazil	47	1	4 (4)	43 (62)		95 (114)
Thailand	3		4 (4)	54 (80)	3 (6)	64 (93)
Cayman Islands	31			25 (78)	1 (9)	57 (118)
Cyprus	13		9 (9)	13 (23)	23 (43)	58 (88)
Chile	5			42 (54)	2 (2)	49 (61)
United Arab Emirates	2			36 (64)		38 (66)
Mexico	26		2 (2)	31 (35)	1 (1)	60 (64)
Czech Republic	11	1		1 (1)	30 (51)	43 (64)
Monaco	1			15 (17)	9 (52)	25 (70)
Poland	7	1		3 (3)	25 (44)	36 (55)
Indonesia	4		1 (1)	32 (38)	1 (3)	38 (46)
Vietnam				4 (6)	31 (37)	35 (43)
Portugal	8				23 (41)	31 (49)
Ukraine	2			6 (9)	20 (27)	28 (38)
Barbados	25		2 (2)	9 (12)	4 (4)	40 (43)
Bulgaria				1 (1)	19 (36)	20 (37)
South Africa	26		3 (3)	9 (16)		38 (45)
Hungary	18	1	1 (1)	4 (11)	7 (13)	31 (44)
Greece	12			7 (9)	9 (18)	28 (39)
Qatar				9 (43)		9 (43)
Slovenia	2		1 (1)	1 (1)	8 (29)	12 (33)
Philippines	1			18 (23)		19 (24)
Colombia	3			11 (15)	1 (3)	15 (21)
Mongolia					5 (25)	5 (25)
Mauritius	1	1		9 (19)		11 (21)
Saudi Arabia	16			4 (7)	1 (1)	21 (24)

unit: cases

Classification	Patents	Utility models	Designs	Trademarks	International Trademarks	Total
Curacao					4 (20)	4 (20)
Gibraltar	1		2 (2)		3 (16)	6 (19)
Argentina	2			7 (11)	1 (1)	10 (14)
Malta	7			2 (2)	2 (6)	11 (15)
Slovakia	5			1 (1)	3 (9)	9 (15)
Iceland	4			1 (1)	3 (9)	8 (14)
Iran (Islamic Republic of)	1			3 (3)	3 (8)	7 (12)
Bahamas	4			6 (7)		10 (11)
Cuba	4			3 (3)	2 (2)	9 (9)
Lithuania				1 (1)	5 (7)	6 (8)
Egypt					6 (8)	6 (8)
Uruguay				3 (3)	3 (3)	6 (6)
Pakistan	2			4 (5)		6 (7)
Estonia	3			1 (1)	3 (3)	7 (7)
Sri Lanka				5 (5)		5 (5)
Belize				3 (6)		3 (6)
Armenia					4 (5)	4 (5)
Romania					3 (6)	3 (6)
Bahrain				1 (1)	2 (4)	3 (5)
Seychelles	2			2 (2)	1 (1)	5 (5)
Peru				3 (4)		3 (4)
Latvia					3 (4)	3 (4)
Panama	1			2 (3)		3 (4)
Lebanon	1			2 (2)		3 (3)
Kuwait	1			2 (2)		3 (3)
Others	4	2		9 (4)	11 (9)	26 (39)
Total	40,890	392	3,712 (4,271)	11,239 (18,113)	10,415 (21,991)	66,648 (85,657)

Note: Figures in parentheses include multiple applications.

Examinations

Patents and utility models

unit: cases

		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, amendment or rejection	Total
Patents	2007	26,801	96,997	693	4,656	129,147	112,344	35,417	4,656	152,417
	2008	12,190	79,461	505	3,348	95,504	72,161	33,388	3,348	108,897
	2009	7,682	83,280	491	2,847	94,300	52,728	33,697	2,847	89,272
	2010	11,276	110,822	573	2,962	125,633	69,162	38,232	2,962	110,356
	2011	17,280	153,326	676	3,001	174,283	98,979	49,204	3,001	151,184
Utility models	2007	1,953	5,374	15		7,342	2,714	919	0	3,633
	2008	1,713	10,236	73	686	12,708	5,267	6,313	686	12,266
	2009	958	9,222	47	505	10,732	4,202	6,084	505	10,791
	2010	1,286	10,189	52	516	12,043	4,862	5,838	516	11,216
	2011	2,220	14,968	72	536	17,796	7,013	8,010	536	15,559

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Industrial designs and trademarks

unit: cases

		First Action				Final Decisions		
		Publication/ approval of registration	Notice of preliminary rejection	Other notices	Total	Approval of registration	Rejection	Total
Industrial designs	2007	32,604	23,850	130	56,584	44,948	8,171	53,119
		(33,758)	(24,694)	(135)	(58,587)	(46,539)	(8,460)	(54,999)
	2008	26,111	23,912	94	50,117	41,337	8,849	50,186
		(26,844)	(24,549)	(99)	(51,492)	(42,466)	(9,048)	(51,514)
	2009	22,060	19,424	-	41,484	34,321	7,684	42,005
	(23,404)	(20,365)	(-)	(43,769)	(36,179)	(7,999)	(44,178)	
2010	25,889	22,134	-	48,023	38,882	7,621	46,503	
	(26,985)	(22,793)	(-)	(49,778)	(40,387)	(7,850)	(48,237)	
2011	28,104	26,977	-	55,081	45,379	8,166	53,545	
	(30,274)	(30,276)	(-)	(60,550)	(49,330)	(8,892)	(58,222)	
Trademarks	2007	60,950	65,515	1,244	127,709	88,079	27,368	115,447
		(82,020)	(88,164)	(1,674)	(171,858)	(118,528)	(36,829)	(155,357)
	2008	59,938	57,537	321	117,796	94,065	29,994	124,059
		(79,197)	(83,007)	(493)	(162,697)	(133,297)	(36,210)	(169,507)
	2009	54,376	35,262	-	89,638	74,285	19,129	93,414
	(63,285)	(45,960)	(-)	(109,245)	(92,013)	(23,138)	(115,151)	
2010	62,272	44,673	-	106,945	78,218	21,369	99,587	
	(75,423)	(57,789)	(-)	(133,212)	(99,127)	(26,034)	(125,161)	
2011	63,823	59,950	-	123,773	78,763	27,141	105,904	
	(72,732)	(80,590)	(-)	(153,322)	(94,913)	(32,820)	(127,733)	

Note: Figures in parentheses include multiple applications.

Pendency period for patents and trademarks

Average first action pendency period for patents

Year	2007	2008	2009	2010	2011
Patents	9.8	12.1	15.4	18.5	16.8

unit: month

Average total pendency period for patents

Year	2007	2008	2009	2010	2011
Patents	15.0	17.4	22.2	24.6	22.8

unit: month

Average first action pendency period for trademarks

Year	2007	2008	2009	2010	2011
Trademarks	5.7	6.5	9.7	10.6	10.0

unit: month

Average total pendency period for trademarks

Year	2007	2008	2009	2010	2011
Trademarks	8.7	9.2	13.0	14.1	14.6

unit: month

International search reports and International preliminary examination reports

Year	ISRs	IPERs
2007	8,331	586
2008	13,020	474
2009	15,509	362
2010	20,833	324
2011	22,988	224

Registrations

Registrations by IPR type

IPR type	2007	2008	2009	2010	2011	Percent change for 2011
Patents	123,705	83,523	56,732	68,843	94,720	37.6
Utility models	2,795	4,975	3,949	4,301	5,853	36.1
Subtotal	126,500	88,498	60,681	73,144	100,573	37.5
Industrial designs	40,745	39,858	32,091	33,697	42,185	25.2
Trademarks	60,361	65,583	53,155	53,136	71,255	34.1
Total	227,606	193,939	145,927	159,977	214,013	33.8

unit: cases

Note: Trademark registration renewals are excluded.

Comparison of domestic and foreign registrations

		Domestic		Foreign		Total
		Cases	%	Cases	%	
Patents	2007	91,645	74.1	32,060	25.9	123,705
	2008	61,115	73.2	22,408	26.8	83,523
	2009	42,129	74.3	14,603	25.7	56,732
	2010	51,404	74.7	17,439	25.3	68,843
	2011	72,258	76.3	22,462	23.7	94,720
Utility models	2007	2,739	98.0	56	2.0	2,795
	2008	4,875	98.0	100	2.0	4,975
	2009	3,880	98.3	69	1.7	3,949
	2010	4,199	97.6	102	2.4	4,301
	2011	5,705	97.5	148	2.5	5,853

unit: cases, %

unit: cases, %

		Domestic		Foreign		Total
		Cases	%	Cases	%	
Industrial design	2007	37,631	92.4	3,114	7.6	40,745
	2008	36,645	91.9	3,213	8.1	39,858
	2009	29,628	92.3	2,463	7.7	32,091
	2010	31,523	93.5	2,174	6.5	33,697
	2011	39,443	93.5	2,742	6.5	42,185
Trademarks	2007	48,266	80.0	12,095	20.0	60,361
	2008	50,927	77.7	14,656	22.3	65,583
	2009	38,538	72.5	14,617	27.5	53,155
	2010	41,712	78.5	11,424	21.5	53,136
	2011	55,571	78.0	15,684	22.0	71,255
Total	2007	180,281	79.2	47,325	20.8	227,606
	2008	153,562	79.2	40,377	20.8	193,939
	2009	114,175	78.2	31,752	21.8	145,927
	2010	128,838	80.5	31,139	19.5	159,977
	2011	172,977	80.8	41,036	19.2	214,013

Note: Figures in parentheses include multiple applications.

Patent and utility model registrations by IPC

unit: cases, %

Classification	Patents			Utility models		
	Korean	Foreign	Total	Korean	Foreign	Total
Agriculture	1,078 (1.5%)	76 (0.3%)	1,154 (1.2%)	254 (4.5%)	1 (0.7%)	255 (4.4%)
Foodstuffs, Tobacco	1,395 (1.9%)	93 (0.4%)	1,488 (1.6%)	58 (1.0%)		58 (1.0%)
Personal of domestic articles	2,299 (3.2%)	214 (1.0%)	2,513 (2.7%)	1,096 (19.2%)	19 (12.8%)	1,115 (19.1%)
Health, Amusement	2,977 (4.1%)	712 (3.2%)	3,689 (3.9%)	479 (8.4%)	10 (6.8%)	489 (8.4%)
Preparations for medical, dental, or toilet purposes	1,243 (1.7%)	490 (2.2%)	1,733 (1.8%)	7 (0.1%)		7 (0.1%)
Separating, Mixing	1,846 (2.6%)	410 (1.8%)	2,256 (2.4%)	148 (2.6%)	1 (0.7%)	149 (2.5%)
Shaping	1,712 (2.4%)	420 (1.9%)	2,132 (2.3%)	93 (1.6%)	5 (3.4%)	98 (1.7%)

unit: cases, %

Classification	Patents			Utility models		
	Korean	Foreign	Total	Korean	Foreign	Total
Grinding, Polishing	1,688 (2.3%)	429 (1.9%)	2,117 (2.2%)	123 (2.2%)	3 (2.0%)	126 (2.2%)
Printing	505 (0.7%)	191 (0.9%)	696 (0.7%)	94 (1.6%)	2 (1.4%)	96 (1.6%)
Transporting	4,358 (6.0%)	928 (4.1%)	5,286 (5.6%)	621 (10.9%)	8 (5.4%)	629 (10.7%)
Micro-structural technology, Nano-technology	327 (0.5%)	39 (0.2%)	366 (0.4%)			
Chemistry	1,546 (2.1%)	319 (1.4%)	1,865 (2.0%)	34 (0.6%)	1 (0.7%)	35 (0.6%)
Organic chemistry	695 (1.0%)	1,074 (4.8%)	1,769 (1.9%)			
Organic macromolecular compounds	647 (0.9%)	648 (2.9%)	1,295 (1.4%)			
Dyes, Petroleum	1,056 (1.5%)	677 (3.0%)	1,733 (1.8%)	9 (0.2%)	1 (0.7%)	10 (0.2%)
Biochemistry	904 (1.3%)	197 (0.9%)	1,101 (1.2%)	8 (0.1%)	1 (0.7%)	9 (0.2%)
Metallurgy	1,016 (1.4%)	499 (2.2%)	1,515 (1.6%)	13 (0.2%)	1 (0.7%)	14 (0.2%)
Textiles or flexible materials	1,320 (1.8%)	223 (1.0%)	1,543 (1.6%)	57 (1.0%)	1 (0.7%)	58 (1.0%)
Paper	124 (0.2%)	71 (0.3%)	195 (0.2%)	3 (0.1%)	1 (0.7%)	4 (0.1%)
Building	5,047 (7.0%)	215 (1.0%)	5,262 (5.6%)	703 (12.3%)	7 (4.7%)	710 (12.1%)
Earth or rock drilling, Mining	245 (0.3%)	17 (0.1%)	262 (0.3%)	7 (0.1%)		7 (0.1%)
Engines of pumps	1,441 (2.0%)	486 (2.2%)	1,927 (2.0%)	63 (1.1%)	2 (1.4%)	65 (1.1%)
Engineering in general	1,229 (1.7%)	394 (1.8%)	1,623 (1.7%)	131 (2.3%)	2 (1.4%)	133 (2.3%)
Lighting, Heating	3,144 (4.4%)	246 (1.1%)	3,390 (3.6%)	418 (7.3%)	10 (6.8%)	428 (7.3%)
Weapons, Blasting	147 (0.2%)	10 (0.0%)	157 (0.2%)	19 (0.3%)		19 (0.3%)
Instruments	5,589 (7.7%)	1,637 (7.3%)	7,226 (7.6%)	188 (3.3%)	9 (6.1%)	197 (3.4%)
Horology, Computing	5,893 (8.2%)	1,886 (8.4%)	7,779 (8.2%)	145 (2.5%)	10 (6.8%)	155 (2.6%)
Educating, Information storage	2,138 (3.0%)	957 (4.3%)	3,095 (3.3%)	177 (3.1%)	6 (4.1%)	183 (3.1%)
Nucleonics	232 (0.3%)	26 (0.1%)	258 (0.3%)	12 (0.2%)		12 (0.2%)
Electric elements, Electric techniques	12,608 (17.4%)	4,926 (21.9%)	17,534 (18.5%)	582 (10.2%)	38 (25.7%)	620 (10.6%)
Electric circuitry, Electric communication technique	6,428 (8.9%)	3,373 (15.0%)	9,801 (10.3%)	161 (2.8%)	8 (5.4%)	169 (2.9%)
Others	1,381 (1.9%)	579 (2.6%)	1,960 ((2.1%)	2 (0.0%)	1 (0.7%)	3 (0.1%)
Total	72,258	22,462	94,720	5,705	148	5,853

Patent registrations in biotechnology

unit: cases

	2007		2008		2009		2010		2011	
	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio
Domestic	2,089	73.8%	1,865	75.0%	1,029	71.3%	1,391	79.3%	2,207	82.7%
Foreign	741	26.2%	616	25.0%	414	26.7	364	20.7%	462	17.3%
Total	2,830	100%	2,481	100%	1,443	100.0	1,755	100%	2,669	100%

Note: 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

	2007		2008		2009		2010		2011	
	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio
Domestic	2,457	85.9%	1,101	87.6%	843	90.9%	1,040	87.4%	1,579	91.4%
Foreign	404	14.1%	156	12.4%	84	9.1%	150	12.6%	148	8.65%
Total	2,861	100%	1,257	100%	927	100%	1,190	100%	1,727	100%

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

Total registrations by residents of foreign countries in 2011

unit: cases

Classification	Patents	Utility models	Designs	Trademarks	Total
Japan	179,389	8,697	24,552	66,094	278,732
U.S.A.	80,104	1,415	10,341	91,695	183,555
Germany	22,239	166	2,181	25,226	49,812
France	9,894	51	1,680	19,376	31,001
Switzerland	6,308	15	1,195	14,532	22,050
United Kingdom	4,783	37	818	14,746	20,384
Netherlands	8,380	94	1,294	6,060	15,828
Italy	2,666	55	859	11,196	14,776
Taiwan	2,499	3,181	672	3,463	9,815
Sweden	3,806	70	612	3,094	7,582
Canada	1,800	48	272	2,413	4,533
China	1,108	205	275	5,701	7,289
Australia	1,311	24	281	2,948	4,564
Finland	2,696	7	637	1,015	4,355
Denmark	1,027	18	883	1,803	3,731
Hong Kong	149	23	168	2,411	2,751
Belgium	1,118	3	129	1,486	2,736
Spain	374	7	86	2,055	2,522
Singapore	282	4	120	1,859	2,265
Austria	819	17	96	1,241	2,173
Others	4,583	275	926	12,388	18,172
Total	335,335	14,412	48,077	290,802	688,626

Trials and appeals

Trials and appeals requested

unit: cases

IPR type		2007	2008	2009	2010	2011
Ex parte	Patents	9,870	11,055	9,533	8,200	8,535
	Utility models	288	450	513	307	260
	Industrial designs	174 (179)	247 (279)	242 (243)	217 (219)	140 (141)
	Trademarks	3,378 (4,791)	2,843 (4,442)	1,903 (2,969)	1,676 (2,573)	1,979 (2,951)
	Subtotal	13,710 (15,128)	14,595 (16,226)	12,191 (13,258)	10,400 (11,299)	10,914 (11,887)
Inter partes	Patents	1,080	1,183	1,028	1,070	1,129
	Utility models	465	456	315	252	213
	Industrial designs	427 (432)	519 (527)	421 (434)	472 (472)	298(298)
	Trademarks	1,918 (2,290)	2,111 (2,598)	1,628 (2,089)	1,678 (2,095)	1,876 (2,356)
Subtotal	3,890 (4,267)	4,269 (4,764)	3,392 (3,866)	3,472 (3,889)	3,516 (3,996)	
Total	Patents	10,950	12,238	10,561	9,270	9,664
	Utility models	753	906	828	559	473
	Industrial designs	601 (611)	766 (806)	663 (677)	689 (691)	438(439)
	Trademarks	5,296 (7,081)	4,954 (7,040)	3,531 (5,058)	3,354 (4,668)	3,855(5,307)
	Total	17,600 (19,395)	18,864 (20,990)	15,583 (17,124)	13,872 (15,188)	14,430 (15,883)

Note: Figures in parentheses include multiple applications.

Disposals of trials by year

unit: cases, %

Classification		Decision			Invalidation			Registration			Total		
		2009	2010	2011	2009	2010	2011	2009	2010	2011	2009	2010	2011
Ex partes	Patents	3,774	3,925	4,334	303	285	345	4,849	4,370	4,022	8,926	8,580	8,701
	Utility models	194	255	266	59	42	25	138	104	66	391	401	357
	Designs	127	155	186	30	22	5	46	27	7	203	204	198
		(127)	(158)	(186)	(30)	(22)	(5)	(46)	(27)	(7)	(203)	(207)	(198)
	Trademarks	2,138	1,618	2,067	9	8	12				2,147	1,626	2,079
	(3,231)	(2,518)	(3,106)	(16)	(14)	(18)				(3,247)	(2,532)	(3,124)	
Total	6,233	5,953	6,853	401	357	387	5,033	4,501	4,095	11,667	10,811	11,335	
	(7,326)	(6,856)	(7,892)	(408)	(363)	(393)	(5,033)	(4,501)	(4,095)	(12,767)	(11,720)	(12,380)	

Inter partes	Patents	945	1,044	1,137	11	8	16				956	1,052	1,153
	Utility models	351	245	277	6	4	1				357	249	278
	Designs	478	467	433	2	2	7				480	469	440
		(492)	(468)	(433)	(2)	(2)	(7)				(494)	(470)	(440)
	Trademarks	1,757	1,565	1,870	17	28	19				1,774	1,593	1,593
		(2,116)	(2,009)	(2,275)	(38)	(52)	(28)				(2,154)	(2,061)	(2,303)
Subtotal	3,531	3,321	3,717	36	42	43				3,567	3,363	3,760	
	(3,904)	(3,766)	(4,122)	(57)	(66)	(52)				(3,961)	(3,832)	(4,174)	
Grand Total	Patents	4,719	4,969	5,471	314	293	361	4,849	4,370	4,022	9,882	9,632	9,854
Total	Utility models	545	500	543	65	46	26	138	104	66	748	650	635
	Designs	605	622	619	32	24	12	46	27	7	683	673	638
		(619)	(626)	(619)	(32)	(24)	(12)	(46)	(27)	(7)	(697)	(677)	(638)
	Trademarks	3,895	3,183	3,937	26	36	31				3,921	3,219	3,968
	(5,347)	(4,527)	(5,381)	(54)	(66)	(46)				(5,401)	(4,593)	(5,427)	
Total	9,764	9,274	10,570	437	399	430	5,033	4,501	4,095	15,234	14,174	15,095	
	(11,230)	(10,622)	(12,014)	(465)	(429)	(445)	(5,033)	(4,501)	(4,095)	(16,728)	(15,552)	(16,554)	

Successful petitions

unit: cases

Classification		2007		2008		2009		2010		2011	
		Acceptance	Ratio	Acceptance	Ratio	Acceptance	Ratio	Acceptance	Ratio	Acceptance	Ratio
Ex partes	Patents	1,650	35.7%	1,247	29.5%	926	24.5%	1,100	28.0%	1,248	28.8%
	Utility models	95	31.5%	89	33.0%	61	31.4%	58	22.7%	74	27.8%
	Designs	42	40.0%	53	43.4%	56	44.1%	59	38.1%	74	39.8%
		(42)	(40.0%)	(53)	(34.2%)	(56)	(44.1%)	(59)	(37.3%)	(74)	(39.8%)
	Trademarks	1,604	57.8%	1,734	54.3%	1,336	62.5%	1,008	62.3%	1,144	55.3%
	(2,359)	(59.1%)	(2,808)	(58.1%)	(2,146)	(66.4%)	(1,642)	(65.2%)	(1,894)	(61.0%)	
Subtotal	3,391	43.4%	3,123	40.0%	2,379	38.2%	2,225	37.4%	2,540	37.1%	
	(4,146)	(45.9%)	(4,197)	(44.2%)	(3,189)	(43.5%)	(2,859)	(41.7%)	(3,290)	(41.7%)	

		2007		2008		2009		2010		2011	
		Number	%	Number	%	Number	%	Number	%	Number	%
Inter partes	Patents	571	53.5%	541	52.4%	499	52.8%	500	47.9%	552	48.5%
	Utility models	269	50.1%	227	49.1%	191	54.4%	130	53.1%	142	51.3%
	Designs	187	49.3%	223	53.1%	188	39.3%	248	53.1%	233	53.8%
		(189)	(49.5%)	(225)	(52.6%)	(190)	(38.6%)	(248)	(53.0%)	(233)	(53.8%)
	Trademarks	1,134	61.9%	1,136	59.8%	1,107	63.0%	894	57.1%	1,180	63.1%
	(1,331)	(60.6%)	(1,326)	(59.0%)	(1,312)	(62.0%)	(1,143)	(56.9%)	(1,402)	(61.6%)	
	Subtotal	2,161	56.6%	2,127	55.8%	1,985	56.2%	1,772	53.4%	2,107	56.7%
		(2,360)	(56.4%)	(2,319)	(55.6%)	(2,192)	(56.1%)	(2,021)	53.7%	(2,329)	(56.5%)
Grand Total	Patents	2,221	39.0%	1,788	34.0%	1,425	30.2%	1,600	32.2%	1,800	32.9%
	Utility models	364	43.4%	316	43.2%	252	46.2%	188	37.6%	216	39.8%
	Designs	229	47.3%	276	50.9%	244	40.3%	307	49.4%	307	49.6%
		(231)	(47.4%)	(278)	(47.7%)	(246)	(39.7%)	(307)	(49.0%)	(307)	(49.6%)
	Trademarks	2,738	59.4%	2,870	56.3%	2,443	62.7%	1,902	59.8%	2,324	59.0%
	(3,690)	(59.6%)	(4,134)	(58.3%)	(3,458)	(64.7%)	(2,785)	61.5%	(3,296)	(61.3%)	
	Total	5,552	47.8%	5,250	45.1%	4,364	44.7%	3,997	43.1%	4,647	44.0%
		(6,506)	(49.2%)	(6,516)	(47.7%)	(5,381)	(47.9%)	(4,880)	(45.9%)	(5,619)	(46.8%)

Note: 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.

Comparison of domestic and foreign trial requests

	unit: cases									
	2007		2008		2009		2010		2011	
	Domestic	Foreign	Domestic	Foreign	Domestic	Foreign	Domestic	Foreign	Domestic	Foreign
Patents	7,004	3,946	7,650	4,588	6,698	3,863	5,747	3,523	5,813	3,851
Utility models	744	9	900	6	817	11	543	16	468	5
Industrial designs	584	27	763	43	636	41	649	42	374	65
Trademarks	3,750	3,331	3,474	3,566	2,530	2,528	2,689	1,979	3,080	2,227
Total	12,082	7,313	12,787	8,203	10,681	6,443	9,628	5,560	9,735	6,148

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

Revenue and expenditure

Revenue

	2007	2008	2009	2010	2011
Revenue from goods and services	274,235	267,775	273,503	309,739	347,318
Revenue carried over from the previous year	65,320	66,834	47,297	13,740	34,149
Internal revenue and others	26,011	13,927	19,295	43,410	6,485
Total	365,566	348,536	340,095	366,889	387,952

Unit: billion KRW

Expenditure

	2007	2008	2009	2010	2011
Major projects	210,950	200,904	222,993	192,041	214,333
Basic projects	16,133	12,690	13,054	12,627	13,448
Labor costs	76,746	81,871	82,943	85,707	96,574
Reserve fund	-	-	-	-	-
Deposit for special budget	-	10,000	10,000	45,000	30,000
Total	303,829	305,465	328,990	335,375	354,395

Unit: billion KRW

KIPO staff

	2007	2008	2009	2010	2011
Examiners	Patent and utility models	660	678	675	712
	Industrial designs and Trademarks	130	129	121	131
Appeal judges	117	99	99	99	99
Clerical staff	616	605	616	606	612
Total	1,528	1,511	1,511	1,548	1,576

Unit: billion KRW

