

Overview of 2008

Dynamic IP Korea

Open Innovation and Regional Capacity Building

Toward IP-friendly society

Highlights of 2008

Appendix

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Applications

Applications by IPR type

IPR type	2003	2004	2005	2006	2007	2008	Percentage change for 2008
Patents	118,652	140,115	160,921	166,189	172,469	170,632	-1.1
Utility models	40,825	37,753	37,175	32,908	21,084	17,405	-17.4
Subtotal	159,477	177,868	198,096	199,097	193,553	188,037	-2.8
Industrial designs	37,607 (39,346)	41,184 (42,879)	45,222 (46,615)	51,039 (52,879)	54,362 (55,662)	56,750 (58,912)	4.4 (5.8)
Trademarks	108,917 (148,691)	108,464 (147,319)	115,889 (156,270)	122,384 (164,432)	132,288 (180,257)	127,910 (178,211)	-3.3 (-1.1)
Total	306,001 (347,514)	327,516 (368,066)	359,207 (400,981)	372,520 (416,408)	380,203 (429,472)	372,697 (425,160)	-2.0 (-1.0)

Figures in parentheses include multiple applications.

PCT applications

Year	2003	2004	2005	2006	2007	2008
Number of applications	2,942	3,565	4,690	5,945	7,066	7,911
Growth rate (%)	17.2	21.2	31.6	26.2	18.9	12.0

Note: Based on WIPO statistics.

International trademark applications under the Madrid Protocol

Period	Office of origin	Designated office
2003	108	1,548
2004	141	4,874
2005	154	6,699
2006	208	8,483
2007	283	9,072
2008	216	9,745

Note: KIPO started receiving international trademark applications under the Madrid Protocol on April 10, 2003.

Comparison of domestic and foreign applications

Applications

		Domestic		Foreign		Total
		Cases	%	Cases	%	
Patents	2003	90,313	76.1	28,339	23.9	118,652
	2004	105,250	75.1	34,865	24.9	140,115
	2005	122,188	75.9	38,733	24.1	160,921
	2006	125,476	75.5	40,713	24.5	166,189
	2007	128,701	74.6	43,768	25.4	172,469
	2008	127,114	74.5	43,518	25.5	170,632
Utility models	2003	40,174	98.4	651	1.6	40,825
	2004	37,167	98.4	586	1.6	37,753
	2005	36,534	98.3	641	1.7	37,175
	2006	32,193	97.8	715	2.2	32,908
	2007	20,632	97.9	452	2.1	21,084
	2008	16,971	97.5	434	2.5	17,405
Industrial designs	2003	34,994 (36,689)	93.1 (93.2)	2,613 (2,657)	6.9 (6.8)	37,607 (39,346)
	2004	38,041 (39,656)	92.4 (92.5)	3,143 (3,223)	7.6 (7.5)	41,184 (42,879)
	2005	41,918 (43,247)	92.7 (92.8)	3,304 (3,368)	7.3 (7.2)	45,222 (46,615)
	2006	48,018 (49,766)	94.1 (94.1)	3,021 (3,113)	5.9 (5.9)	51,039 (52,879)
	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)
Trademarks	2003	92,368 (122,080)	84.8 (82.1)	16,549 (26,611)	15.2 (17.9)	108,917 (148,691)
	2004	91,935 (119,836)	84.8 (81.3)	16,529 (27,483)	15.2 (16.7)	108,464 (147,319)
	2005	99,435 (129,635)	85.8 (83.0)	16,454 (26,635)	14.2 (17.0)	115,889 (156,270)
	2006	105,544 (136,590)	86.2 (83.1)	16,840 (27,842)	13.8 (16.9)	122,384 (164,432)

Applications

Comparison of domestic and foreign applications

		Domestic		Foreign		Total
		Cases	%	Cases	%	
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)
Total	2003	257,849 (289,256)	84.3 (83.2)	48,152 (58,258)	15.7 (16.8)	306,001 (347,514)
	2004	272,393 (301,909)	83.2 (82.0)	55,123 (66,157)	16.8 (18.0)	327,516 (368,066)
	2005	300,075 (331,604)	83.5 (82.7)	59,132 (69,377)	16.5 (17.3)	359,207 (400,981)
	2006	311,231 (344,025)	83.5 (82.6)	61,289 (72,383)	16.5 (17.4)	372,520 (416,408)
	2007	312,358 (348,877)	82.2 (84.6)	67,845 (80,595)	17.8 (15.4)	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)

Note: Figures in parentheses include multiple applications.

Patent applications by technological field

Classification	Domestic	Percentage change for 2008	Foreign	Percentage change for 2008	Total	Percentage change for 2008
Agriculture	1,683 (1.3%)	5.5	141 (0.3%)	11.9	1,824 (1.1%)	5.9
Foodstuffs and tobacco	2,716 (2.1%)	-4.8	269 (0.6%)	-8.2	2,985 (1.7%)	-5.1
Personal and domestic articles	4,931 (3.9%)	7.1	487 (1.1%)	5.9	5,418 (3.2%)	7.0
Health and amusement	4,246 (3.3%)	18.3	1,670 (3.8%)	-2.3	5,916 (3.5%)	11.6
Preparations for medical, dental, or toilet purposes	2,281 (1.8%)	8.5	1,889 (4.3%)	-6.1	4,170 (2.4%)	1.3
Separating and mixing	2,980 (2.3%)	3.0	1,005 (2.3%)	-3.1	3,985 (2.3%)	1.4
Shaping	2,301 (1.8%)	-6.5	725 (1.7%)	-3.8	3,026 (1.8%)	-5.9
Grinding and polishing	2,860 (2.2%)	4.7	1,044 (2.4%)	-2.2	3,904 (2.3%)	2.7
Printing	1,213 (1.0%)	14.7	367 (0.8%)	-23.4	1,580 (0.9%)	2.8

Patent applications by technological field

Applications

Classification	Domestic	Percentage change for 2008	Foreign	Percentage change for 2008	Total	Percentage change for 2008
Transporting	9,415 (7.4%)	1.2	1853 (4.3%)	2.4	11,268 (6.6%)	1.4
Microstructural technology and nanotechnology	543 (0.4%)	30.8	101 (0.2%)	3.1	644 (0.4%)	25.5
Chemistry in general	2,240 (1.8%)	1.3	875 (2.0%)	21.0	3,115 (1.8%)	6.1
Organic chemistry	1,187 (0.9%)	12.5	3304 (7.6%)	4.9	4,491 (2.6%)	6.8
Organic macromolecular compounds	1454 (1.1%)	-3.6	1822 (4.2%)	-3.9	3276 (1.9%)	-3.7
Dyes, petroleum, and animal and vegetable oils	1,699 (1.3%)	6.7	1,385 (3.2%)	8.7	3,084 (1.8%)	7.6
Biochemistry	1,378 (1.1%)	-1.1	598 (1.4%)	-2.3	1,976 (1.2%)	-1.5
Metallurgy	1,413 (1.1%)	1.4	1,037 (2.4%)	1.7	2,450 (1.4%)	1.5
Textiles and flexible materials	1,671 (1.3%)	-3.0	456 (1.0%)	-4.4	2,127 (1.2%)	-3.3
Paper	224 (0.2%)	-15.5	108 (0.2%)	-12.9	332 (0.2%)	-14.7
Building	7460 (5.9%)	3.5	417 (1.0%)	-7.7	7,877 (4.6%)	2.9
Earth or rock drilling, and mining	240 (0.2%)	-0.4	41 (0.1%)	51.9	281 (0.2%)	4.9
Engines and pumps	2808 (2.2%)	5.2	1,087 (2.5%)	1.1	3,895 (2.3%)	4.0
Engineering in general	2,182 (1.7%)	-12.5	985 (2.3%)	-0.7	3,167 (1.9%)	-9.2
Lighting and heating	5360 (4.2%)	7.4	643 (1.5%)	4.4	6,003 (3.5%)	7.0
Weapons and blasting	143 (0.1%)	6.7	47 (0.1%)	14.6	190 (0.1%)	8.6
Instruments	8385 (6.6%)	-8.2	3527 (8.1%)	-2.0	11912 (7.0%)	-6.5
Horology and computing	11,982 (9.4%)	-1.9	2873 (6.6%)	-2.4	14855 (8.7%)	-2.0
Education and information storage	4,427 (3.5%)	-12.2	1,473 (3.4%)	-20.3	5900 (3.5%)	-14.3
Nucleonics	246 (0.2%)	13.4	48 (0.1%)	9.1	294 (0.2%)	12.6
Electric elements and electric techniques	18,641 (14.7%)	-6.7	7,480 (17.2%)	0.7	26,121 (15.3%)	-4.7
Electric circuitry and electric communication techniques	14,029 (11.0%)	-16.1	4754 (10.9%)	-5.4	18,783 (11.0%)	-13.6
Others	4,776 (3.8%)	64.8	1007 (2.3%)	81.8	5,783 (3.4%)	67.5
Total	127,114 (100.0%)	-1.2	43,518 (100.0%)	-0.6	170,632 (100.0%)	-1.1

Note: "Others" refers to non-classified applications.

Applications

Patent applications in biotechnology

	2003		2004		2005		2006		2007		2008	
	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio
Domestic	2,045	66.1%	2,026	62.5%	2,049	67.9%	2,606	71.1%	3,295	67.5%	3,398	67.1
Foreign	1,047	33.9%	1,215	37.5%	970	32.1%	1,058	28.9%	1,587	32.5%	1,669	32.9
Total	3,092		3,241		3,019		3,664		4,882		5,067	

Note: 1. 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.

2. The figures for 2006 are preliminary.

Patent applications in business methods

	2003		2004		2005		2006		2007		2008	
	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio
Domestic	4,564	89.2%	4,542	87.3%	4,205	86.4%	5,106	88.9%	6,037	91.9%	4,788	92.7%
Foreign	553	10.8%	659	12.7%	663	13.6%	636	11.1%	539	8.1%	375	7.3%
Total	5,117		5,201		4,868		5,742		6,568		5,163	

Note: 1. Based on the Eighth Edition of the International Patent Classification.

2. The figures for 2006 are preliminary estimates.

Applications by residents of foreign countries in 2008

Applications

Residence	Patents	Utility models	Industrial designs	Trademarks	Total
Argentina	3	1		19	23
Australia	230		19	184	433
Austria	147	1	7	46	201
Bahamas	6			16	22
Bangladesh				1	1
Barbados	41		11	9	61
Belarus	4				4
Belgium	288		22	72	382
Belize				4	4
Bermuda	5			16	21
Bolivia	1				1
Brazil	26		6	56	88
Brunei Darussalam	7			2	9
Bulgaria	2				2
Canada	387	1	12	276	676
Cayman Islands	7			36	43
Chile	3			46	49
China	481	39	53	533	1,106
Colombia				5	5
Croatia	1				1
Cuba	20			16	36
Cyprus	12			26	38
Czech Republic	14		2	8	24
Denmark	194		11	71	276
Dominica				1	1
Egypt				4	4
Estonia	1				1
Finland	575	1	67	50	693
France	1,486	1	117	926	2,530
Germany	3,603	4	261	1,113	4,981
Gibraltar				5	5
Greece	19			21	40
Guatemala				1	1
Hungary	14	1	1	21	37

Applications

Applications by residents of foreign countries in 2008

Residence	Patents	Utility models	Industrial designs	Trademarks	Total
Hong Kong, China	9	1	3	86	99
Iceland	5			2	7
India	108		1	40	149
Indonesia				35	35
Iran (Islamic Republic of)		1	1	66	2
Ireland	70		1	77	148
Israel	294		8	60	362
Italy	328	5	50	612	995
Japan	17,552	41	1,688	4,563	23,844
Jordan	2			1	3
Kazakhstan	2				2
Kuwait				10	10
Lebanon				1	1
Liechtenstein	13		46	16	75
Lithuania			1	1	2
Luxembourg	60			154	214
Macao				3	3
Malaysia	14		1	65	80
Malta	1			11	12
Mauritius	8			2	10
Mexico	4			28	32
Monaco				12	12
Namibia	1				1
Nepal				1	1
Netherlands	1,283	2	94	470	1,849
Netherlands Antilles			3	3	3
New Zealand	27	1	6	63	97
Nigeria	1			1	2
Norway	68		4	16	88
Oman				2	2
Pakistan				1	1
Panama	5			6	11
Philippines				27	27
Poland	3			3	6

Applications by residents of foreign countries in 2008

Applications

Residence	Patents	Utility models	Industrial designs	Trademarks	Total
Portugal	11		6	17	34
Qatar				1	1
Romania	6				6
Russian Federation	36	4	3	18	61
Saint Kitts and Nevis	1				1
Samoa			2	2	4
San Marino	1			3	4
Saudi Arabia	12			25	37
Serbia	1				1
Seychelles	1			4	5
Singapore	163		22	133	318
Slovakia				1	1
Slovenia	4			1	5
South Africa	33		1	28	62
Spain	95		8	144	247
Sri Lanka				6	6
Sweden	730	2	90	123	945
Switzerland	1,230		99	851	2,180
Syrian Arab Republic	1				1
Taiwan, Province of China	550	299	58	378	1,285
Thailand	7		1	45	53
Trinidad and Tobago			1	1	1
Tunisia	1				1
Turkey	16			9	25
Turks and Caicos Islands		1	1	7,459	2
Ukraine	1			6	7
United Arab Emirates			28	28	28
United Kingdom	753		104	892	1,749
United States of America	12,389	27	1073	7623	21,112
Viet Nam				9	9
Virgin Islands (British)	28	3	5	105	141
Yemen				1	1
others	13			11	24
Total	43,518	434	3,964	20,423	68,339

Examinations

Patents and utility models

		First Action				Total	Final Decisions			Total
		Approval of registration	Notice of preliminary rejection or amendment	Other notices	Withdrawal or abandonment		Approval of registration	Rejection or cancellation	Withdrawal abandonment, annulment or rejection	
Patents	2003	19,505	71,100	426	2,402	93,433	48,047	28,077	3,856	79,980
	2004	19,952	75,085	408	2,959	98,404	54,551	31,424	4,422	90,397
	2005	21,860	106,096	410	2,749	131,115	78,397	36,946	2,749	118,092
	2006	39,440	151,365	912	3,678	195,395	127,298	43,655	3,678	174,631
	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
Utility models (registered after substantive examination)	2003	701	1,505	4	20	2,230	1,410	1,054	20	2,484
	2004	238	598	14	16	866	674	606	16	1,296
	2005	2	15	-	-	17	84	74	-	158
	2006	-	10	-	-	10	3	4	-	7
	2007	1,953	5,374	15	-	7,342	2,714	919	-	3,633
	2008	1,713	10,236	73	686	12,708	5,267	6,313	686	12,266
Utility models (registered without substantive examination)	2003	37,096	8,736	6	510	46,348	41,898		4,265	46,163
	2004	34,025	17,747	105	646	52,523	43,174	4,730	4,130	52,034
	2005	31,247	17,885	63	105	49,300	41,428	4,485	3,833	49,746
	2006	28,187	16,989	82	2	45,260	37,640	3,285	4,015	44,940
	2007	2,250	4,785	29	1	7,065	6,376	2,738	646	9,760
	2008	233	871	12	-	1,116	900	742	-	1,642

Note: The figures for 2008 are preliminary estimates.

Industrial designs and trademarks

Examinations

		First Action			Final Decisions			
		Publication/ approval of registration	Notice of preliminary rejection	Other notices	Total	Approval of registration	Rejection	Total
Industrial designs	2003	25,746(27,443)	14,292(14,919)	56(57)	40,094(42,419)	35,170(37,446)	4,960(5,234)	40,130(42,680)
	2004	26,423(27,502)	14,081(14,541)	37(37)	40,541(42,080)	36,308(37,765)	4,715(4,850)	41,023(42,615)
	2005	26,760(27,505)	14,030(14,452)	30(30)	40,820(41,987)	37,226(38,369)	4,707(4,828)	41,933(43,197)
	2006	30,204(31,335)	16,053(16,910)	124(124)	46,381(48,369)	40,562(42,183)	4,814(5,028)	45,376(47,211)
	2007	32,604 (33,758)	23,850 (24,694)	130 (135)	56,584 (58,587)	44,948 (46,539)	8,171 (8,460)	53,119 (54,999)
	2008	26,111 (26,844)	23,912 (24,549)	94 (99)	50,117 (51,492)	41,337 (42,466)	8,849 (9,048)	50,186 (51,514)
Trademarks	2003	62,262(79,633)	56,207(77,762)	327(405)	118,796(157,800)	79,965(110,815)	32,954(40,415)	112,919(151,230)
	2004	58,067(75,389)	57,257(79,441)	886(1,317)	116,210(156,147)	81,793(113,691)	33,178(40,492)	114,971(154,183)
	2005	61,382(80,128)	62,101(88,864)	1,409(2,008)	124,892(171,000)	86,036(121,552)	39,467(45,002)	125,503(166,554)
	2006	68,253(88,931)	58,809(81,126)	1,395(1,988)	128,457(172,045)	92,916(130,175)	32,969(40,351)	125,885(170,526)
	2007	60,950 (82,020)	65,515 (88,164)	1,244 (1,674)	127,709(171,858)	88,079 (118,528)	27,368 (36,829)	115,447 (155,357)
	2008	59,938 (79,197)	57,537 (83,007)	321 (493)	117,796 (162,697)	94,065 (133,297)	29,994 (36,210)	124,059 (169,507)

Note: Figures in parentheses include multiple applications.

Pendency period for patents and trademarks

Average first action pendency period for patents

(unit: month)

Year	2003	2004	2005	2006	2007	2008
Patents	22.1	21.0	17.6	9.8	9.8	12.1

Examinations

Average total pendency period for patents

(unit: month)

Year	2003	2004	2005	2006	2007	2008
Patents	30.0	29.9	26.6	19.7	15.0	17.4

Average first action pendency period for trademarks

(unit: month)

Year	2003	2004	2005	2006	2007	2008
Patents	10.7	9.6	7.3	5.9	5.7	6.5

Average total pendency period for trademarks

(unit: month)

Year	2003	2004	2005	2006	2007	2008
Trademarks	14.6	12.3	10.6	8.9	8.7	9.2

International search reports and International preliminary examination reports

Year	ISRs	IPERs
2003	2,315	1,310
2004	2,913	1,035
2005	3,649	841
2006	4,754	639
2007	8,280	586
2008	12,936	474

Registrations

Registrations by IPR type

IPR type	2003	2004	2005	2006	2007	2008	Increase over 2008(%)
Patents	44,165	49,068	73,512	120,790	123,705	83,523	-32.5
Utility models	37,272	34,182	32,716	29,736	2,795	4,975	78.0
Subtotal	81,437	83,250	106,228	150,526	126,500	88,498	-30.0
Industrial designs	28,380	31,021	33,993	34,206	40,745	39,858	-2.2
Trademarks	46,023	51,104	57,873	65,825	60,361	65,583	8.7
Total	155,840	165,375	198,094	250,557	227,606	193,939	-14.8

Note: Trademark registration renewals are excluded.

Comparison of domestic and foreign registrations

		Domestic		Foreign		Total
		Cases	%	Cases	%	Cases
Patents	2003	30,525	69.1	13,640	30.9	44,165
	2004	35,284	71.9	13,784	28.1	49,068
	2005	53,419	72.7	20,093	27.3	73,512
	2006	89,303	73.9	31,487	26.1	120,790
	2007	91,645	74.1	32,060	25.9	123,705
	2008	61,115	73.2	22,408	26.8	83,523
Utility models	2003	36,597	98.2	675	1.8	37,272
	2004	33,629	91.3	553	8.7	34,182
	2005	32,104	98.1	612	1.9	32,716
	2006	29,031	97.6	705	2.4	29,736
	2007	2,739	98.0	56	2.0	2,795
	2008	4,875	98.0	100	2.0	4,975
Industrial designs	2003	25,680	90.5	2,700	9.5	28,380
	2004	28,311	91.3	2,710	8.7	31,021
	2005	31,040	91.3	2,953	8.7	33,993
	2006	31,503	92.1	2,703	7.9	34,206
	2007	37,631	92.4	3,114	7.6	40,745
	2008	36,645	91.9	3,213	8.1	39,858

Registrations

Comparison of domestic and foreign registrations

		Domestic		Foreign		Total
		Cases	%	Cases	%	Cases
Trademarks	2003	37,718	82.0	8,305	18.0	46,023
	2004	41,673	81.5	9,431	18.5	51,104
	2005	46,683	80.7	11,190	19.3	57,873
	2006	52,827	80.3	12,998	19.7	65,825
	2007	48,266	80.0	12,095	20.0	60,361
	2008	50,927	77.7	14,656	22.3	65,583
Total	2003	130,520	83.8	25,320	16.2	155,840
	2004	138,897	84.0	26,478	16.0	165,375
	2005	163,246	82.4	34,848	17.6	198,094
	2006	202,664	80.9	47,893	19.1	250,557
	2007	180,281	79.2	47,325	20.8	227,606
	2008	153,562	79.2	40,377	20.8	193,939

Patent registrations by technological field(2008)

Classification	Domestic	Percentage change for 2008	Foreign	Percentage change for 2008	Total	Percentage change for 2008
Agriculture	808 [1.3%]	-15.6%	69 [0.3%]	-44.8%	877 [1.1%]	-18.9%
Foodstuffs and tobacco	1,304 [2.1%]	-17.0%	117 [0.5%]	-18.2%	1,421 [1.7%]	-17.1%
Personal and domestic articles	1,729 [2.8%]	-35.4%	194 [0.9%]	-49.9%	1,923 [2.3%]	-37.2%
Health and amusement	1,707 [2.8%]	-17.5%	762 [3.4%]	-19.3%	2,469 [3.0%]	-18.0%
Preparations for medical, dental, or toilet purposes	1,076 [1.8%]	-7.2%	711 [3.2%]	-18.3%	1,787 [2.1%]	-11.9%
Separating and mixing	1,657 [2.7%]	-21.9%	479 [2.1%]	-24.8%	2,136 [2.6%]	-22.6%
Shaping	1,512 [2.5%]	-13.5%	405 [1.8%]	-18.3%	1,917 [2.3%]	-14.5%
Grinding and polishing	1,549 [2.5%]	-21.3%	511 [2.3%]	-28.8%	2,060 [2.5%]	-23.3%
Printing	353 [0.6%]	-39.0%	223 [1.0%]	-41.0%	576 [0.7%]	-39.8%
Transporting	4,627 [7.6%]	-3.3%	917 [4.1%]	-19.3%	5,544 [6.6%]	-6.4%

Patent registrations by technological field(2008)

Registrations

Classification	Domestic	Percentage change for 2008	Foreign	Percentage change for 2008	Total	Percentage change for 2008
Microstructural technology and nanotechnology	189 (0.3%)	-25.3%	30 (0.1%)	50.0%	219 (0.3%)	-19.8%
Chemistry in general	1,419 (2.3%)	-22.8%	384 (1.7%)	-36.1%	1,803 (2.2%)	-26.0%
Organic chemistry	653 (1.1%)	-18.9%	1,332 (5.9%)	-21.8%	1,985 (2.4%)	-20.9%
Organic macromolecular compounds	871 (1.4%)	-30.4%	881 (3.9%)	-23.2%	1,752 (2.1%)	-27.0%
Dyes, petroleum, and animal and vegetable oils	785 (1.3%)	-36.9%	599 (2.7%)	-25.5%	1,384 (1.7%)	-32.4%
Biochemistry	798 (1.3%)	-19.1%	268 (1.2%)	-20.0%	1,066 (1.3%)	-19.3%
Metallurgy	1,015 (1.7%)	-9.5%	456 (2.0%)	-38.4%	1,471 (1.8%)	-21.0%
Textiles and flexible materials	725 (1.2%)	-47.7%	240 (1.1%)	-44.3%	965 (1.2%)	-46.9%
Paper	139 (0.2%)	-3.5%	48 (0.2%)	-28.4%	187 (0.2%)	-11.4%
Building	2,896 (4.7%)	-47.8%	146 (0.7%)	-59.0%	3,042 (3.6%)	-48.5%
Earth or rock drilling, and mining	108 (0.2%)	-43.2%	8 (0.0%)	-63.6%	116 (0.1%)	-45.3%
Engines and pumps	975 (1.6%)	-32.9%	560 (2.5%)	-37.4%	1,535 (1.8%)	-34.6%
Engineering in general	1,212 (2.0%)	-9.4%	366 (1.6%)	-31.3%	1,578 (1.9%)	-15.7%
Lighting and heating	2,385 (3.9%)	-37.8%	279 (1.2%)	-40.5%	2,664 (3.2%)	-38.1%
Weapons and blasting	66 (0.1%)	-8.3%	33 (0.1%)	26.9%	99 (0.1%)	1.0%
Instruments	4,463 (7.3%)	-25.1%	2,413 (10.8%)	-20.2%	6,876 (8.2%)	-23.4%
Horology and computing	4,694 (7.7%)	-22.0%	1,595 (7.1%)	-22.8%	6,289 (7.5%)	-22.2%
Educating and information storage	2,520 (4.1%)	-47.0%	1,212 (5.4%)	-40.0%	3,732 (4.5%)	-44.9%
Nucleonics	167 (0.3%)	31.5%	36 (0.2%)	-41.9%	203 (0.2%)	7.4%
Electric elements and electric techniques	10,982 (18.0%)	-39.6%	4,352 (19.4%)	-35.9%	15,334 (18.4%)	-38.6%
Electric circuitry and electric communication techniques	7,732 (12.7%)	-50.1%	2,772 (12.4%)	-32.7%	10,504 (12.6%)	-46.4%
Others	6 (0.0%)		3 (0.0%)		9 (0.0%)	
Total	61,122 (100.0%)	-33.3%	22,401 (100.0%)	-30.1%	83,523 (100.0%)	-32.5%

Note: 1. "Others" refers to non-classified applications.

2. The figures are preliminary estimates.

Registrations

Patent registrations in biotechnology

	2004		2005		2006		2007		2008	
	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio
Domestic	1,243	62.5%	1,490	67.9%	1,911	71%	2,089	74%	1,865	75.2%
Foreign	373	37.5%	532	32.1%	778	29%	741	26%	616	24.8%
Total	1,616		2,022		2,689		2,830		2,481	

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

	2004		2005		2006		2007		2008	
	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio	Cases	Ratio
Domestic	1,215	91.6%	1,242	87.3%	1,669	85.4%	2,457	85.9%	1,101	87.6%
Foreign	112	8.4%	193	12.7%	286	14.6%	404	14.1%	156	12.4%
Total	1,327		1,435		1,955		2,861		1,257	

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

Registrations by residents of foreign countries in 2008

Residence	Patents	Utility models	Industrial designs	Trademarks	Total
Argentina	2			5	7
Australia	83		17	67	167
Austria	60	1		15	76
Bahamas	4			5	9
Barbados	2		3	9	14
Belarus					

Registrations by residents of foreign countries in 2008

Residence	Patents	Utility models	Industrial designs	Trademarks	Total
Belgium	90		15	21	126
Bermuda	1			17	18
Brazil	20		3	8	31
Bulgaria	1			2	3
Canada	193		17	109	319
Cayman Islands	2			40	42
Chile				35	35
China	110	10	20	256	396
Colombia				3	3
Costa Rica					
Croatia	1				1
Cuba	9			1	10
Cyprus	2			3	5
Czech Republic	5		1	1	7
Denmark	62		16	7	85
Estonia	2				2
Finland	391		78	6	475
France	670		127	195	992
Germany	1,628	1	243	226	2,098
Gibraltar					
Greece	2			1	3
Hong Kong, China	8		8	52	68
Hungary	5			1	6
Iceland				1	1
India	38		19	22	79
Indonesia				6	6
Iran				1	1
Ireland	15		3	23	41
Isle of man					
Israel	80	1	6	43	130
Italy	147	1	59	170	377
Japan	11,312	8	1,452	2,168	14,940
Latvia	1				1
Liberia					

Registrations

Registrations

Registrations by residents of foreign countries in 2008

Residence	Patents	Utility models	Industrial designs	Trademarks	Total
Liechtenstein	7		19	3	29
Luxembourg	28			38	66
Macau, China				1	1
Malaysia	5		2	40	47
Mauritius				3	3
Mexico	2			40	42
Monaco				6	6
Netherlands	724		76	176	976
Netherlands Antilles				1	1
New Zealand	15		2	42	59
Norway	29		10	11	50
Panama	2			2	4
Philippines				5	5
Poland	3		2	7	12
Portugal	2		8	5	15
Qatar				1	1
Rumania					
Russian Federation	19	3	3	1	26
Samoa				1	1
San Marino				4	4
Saudi Arabia	2			28	30
Seychelles	1				1
Singapore	27	1	14	89	131
Slovakia			1		1
Slovenia	4		2		6
South Africa	17		2	11	30
Spain	44		12	25	81
Sri Lanka	1			1	2
Swaziland				1	1
Sweden	273		31	46	350
Switzerland	461		97	197	755
Taiwan	372	62	49	197	680
Thailand	1		2	18	21
Turkey	3		1	8	12

Registrations by residents of foreign countries in 2008

Residence	Patents	Utility models	Industrial designs	Trademarks	Total
United Arab Emirates				34	34
United Kingdom	259		60	285	604
USA	5,135	12	727	2,968	8,842
Venezuela				1	1
Vietnam				2	2
British Virgin Islands	17		2	69	88
Others	9		4	6,770	6,783
Total	22,408	100	3,213	14,656	40,377

Note: The figures are preliminary estimates.

Petitions

	IPR type	2004	2005	2006	2007	2008
Ex parte	Patents	4,183	6,366	8,821	9,870	11,054
	Utility models	282	307	278	288	450
	Industrial designs	146 (146)	153 (153)	119 (119)	174 (179)	247 (279)
	Trademarks	2,024 (2,749)	2,602 (3,803)	2,654 (3,844)	3,378 (4,791)	2,840 (4,435)
	Subtotal	6,635 (7,360)	9,428 (10,629)	11,872 (13,062)	13,710 (15,128)	14,591 (16,218)
Inter partes	Patents	615	776	904	1,080	1,183
	Utility models	545	479	487	465	456
	Industrial designs	398 (426)	327 (331)	384 (427)	427 (432)	519 (527)
	Trademarks	1,474 (1,833)	1,744 (2,066)	1,844 (2,212)	1,918 (2,290)	2,109 (2,627)
	Subtotal	3,032 (3,419)	3,326 (3,652)	3,619 (4,030)	3,890 (4,267)	4,267 (4,793)
Total	Patents	4,798	7,142	9,725	10,950	12,237
	Utility models	827	786	765	753	906
	Industrial designs	544 (572)	480 (484)	503 (546)	601 (611)	766 (806)
	Trademarks	3,498 (4,582)	4,346 (5,869)	4,498 (6,056)	5,296 (7,081)	4,949 (7,062)
	Total	9,667 (10,779)	12,754 (14,281)	15,491 (17,092)	17,600 (19,395)	18,858 (21,011)

Note: 1. Figures in parentheses include multiple applications.
2. The figures for 2008 are preliminary estimates.

Registrations

Trials and appeals

Trials and appeals

Actions

	IPR type	2004	2005	2006	2007	2008
Ex parte	Patents	3,456	5,772	8,911	10,251	9,687
	Utility models	244	335	367	319	388
	Industrial designs	150 (150)	144 (144)	125 (125)	152 (156)	198 (231)
	Trademarks	1,883 (2,451)	2,198 (3,114)	2,539 (3,622)	2,786 (4,021)	3,209 (4,873)
	Subtotal	5,733 (6,301)	8,449 (9,365)	11,942 (13,025)	13,508 (14,747)	13,482 (15,179)
Inter partes	Patents	595	800	882	1,084	1,054
	Utility models	632	706	490	543	467
	Industrial designs	435 (449)	374 (391)	340 (381)	380 (383)	429 (439)
	Trademarks	1,480 (1,755)	1,590 (1,889)	1,682 (2,008)	1,853 (2,224)	1,929 (2,336)
	Subtotal	3,142 (3,431)	3,470 (3,786)	3,394 (3,761)	3,860 (4,234)	3,878 (4,296)
Total	Patents	4,051	6,572	9,793	11,335	10,741
	Utility models	876	1,041	857	862	855
	Industrial designs	585 (599)	518 (535)	465 (506)	532 (539)	627 (670)
	Trademarks	3,363 (4,206)	3,788 (5,003)	4,221 (5,630)	4,639 (6,245)	5,138 (7,209)
	Total	8,875 (9,732)	11,919 (13,151)	15,336 (16,786)	17,368 (18,981)	17,361 (19,475)

Note: 1. Figures in parentheses include multiple applications.

2. The figures for 2008 are preliminary estimates.

Trials and appeals

Successful petitions

	IPR type	2004	2005	2006	2007	2008
Ex parte	Patents	684 (40.3)	1,087 (39.7)	1,727 (43.1)	1,650 (35.7)	1,246 (29.5)
	Utility models	101 (42.3)	137 (41.9)	128 (36.1)	95 (31.5)	89 (33.0)
	Industrial designs	35 (41.7)	21 (22.3)	43 (51.8)	42 (40.0)	53 (34.2)
	Trademarks	1,354 (55.2)	1,491 (47.9)	1,980 (54.9)	2,359 (59.1)	2,808 (58.1)
	Subtotal	2,174 (48.7)	2,736 (43.6)	3,878 (48.2)	4,146 (45.9)	4,196 (44.2)
Inter partes	Patents	325 (54.6)	426 (53.3)	465 (53.3)	571 (53.5)	541 (52.4)
	Utility models	292 (46.2)	350 (49.6)	263 (54.0)	269 (50.1)	227 (49.1)
	Industrial designs	242 (53.9)	206 (52.7)	219 (57.9)	189 (49.5)	225 (52.6)
	Trademarks	1,130 (64.4)	1,196 (63.3)	1,214 (61.0)	1,331 (60.6)	1,327 (59.0)
	Subtotal	1,989 (60.0)	2,178 (57.5)	2,161 (58.0)	2,360 (56.4)	2,320 (55.6)
Total	Patents	1,009 (44.0)	1,513 (42.8)	2,192 (45.0)	2,221 (39.0)	1,787 (34.0)
	Utility models	393 (45.3)	487 (47.1)	391 (46.4)	364 (43.4)	316 (43.2)
	Industrial designs	277 (52.0)	227 (46.8)	262 (56.8)	231 (47.4)	278 (47.7)
	Trademarks	2,484 (59.1)	2,687 (53.7)	3,194 (57.1)	3,690 (59.6)	4,135 (58.4)
	Total	4,163 (52.7)	4,914 (48.6)	6,039 (51.3)	6,506 (49.2)	6,516 (47.7)

Note: 1. The successful petitions refer to the number of petitions granted. These figures exclude cases where the registration was decided on the basis of an examiners's reconsideration before a trial and invalidation of a patent process. The figures in parentheses indicate the percentage of the petitions granted.
2. The figures for 2008 are preliminary estimates.

Comparison of domestic and foreign trial requests

	2004		2005		2006		2007		2008	
	Domestic	Foreign	Domestic	Foreign	Domestic	Foreign	Domestic	Foreign	Domestic	Foreign
Patents	3,133	1,665	4,362	2,780	6,209	3,516	7,004	3,946	7,649	4,588
Utility models	812	15	771	15	758	7	744	9	900	6
Industrial designs	538	34	456	28	515	31	584	27	763	43
Trademarks	2,890	1,692	3,432	2,437	3,315	2,741	3,750	3,331	3,486	3,576
Total	7,373	3,406	9,021	5,260	10,797	6,295	12,082	7,313	12,798	8,213

Note: 1. Multiple applications for trademarks and industrial designs are treated as single applications.
2. The figures for 2008 are preliminary estimates.

Revenue and expenditure

Revenue

(unit: billion KRW)

	2005	2006	2007	2008	2009
Revenue from goods and services	190.397	234.427	242.055	269,153	293.375
Revenue carried over from the previous year	4.291	26.412	37.242	30,294	57.924
Internal revenue and others	30.332	37.134	31.822	18,517	23.376
Total	225.020	297.973	311.119	317,964	374.675

Expenditure

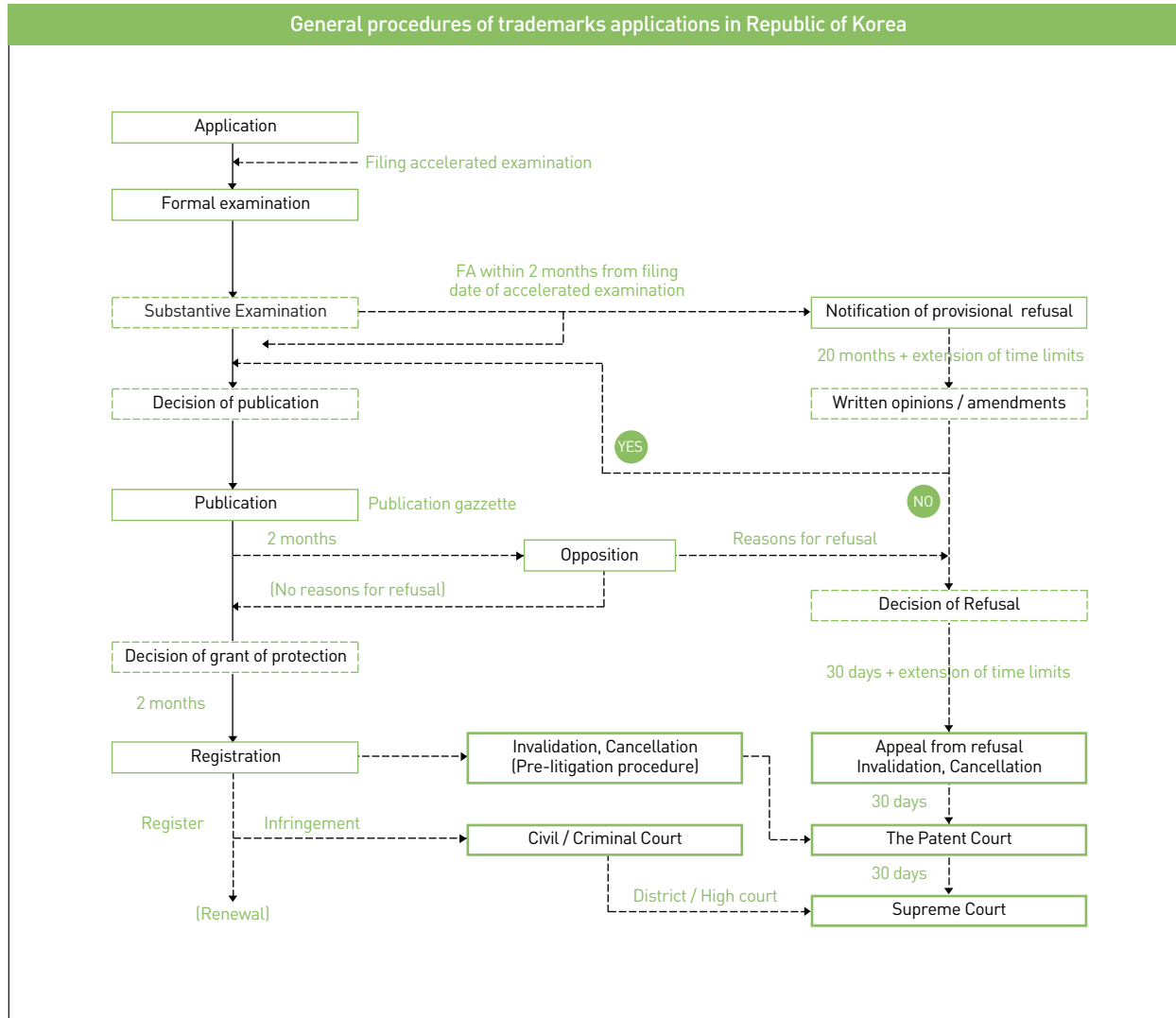
(unit: billion KRW)

	2005	2006	2007	2008	2009
Major projects	108.720	203.107	211.698	168,924	250.38
Basic projects	13.492	16.208	13.389	13,716	13.707
Labor costs	58.769	74.224	79.127	83,337	87.180
Reserve fund	6.038	4.434	6.905	1,987	3.408
Deposit for special budget	38.000	-	-	10,000	20.000
Total	225.020	297.973	311.119	317,964	374.675

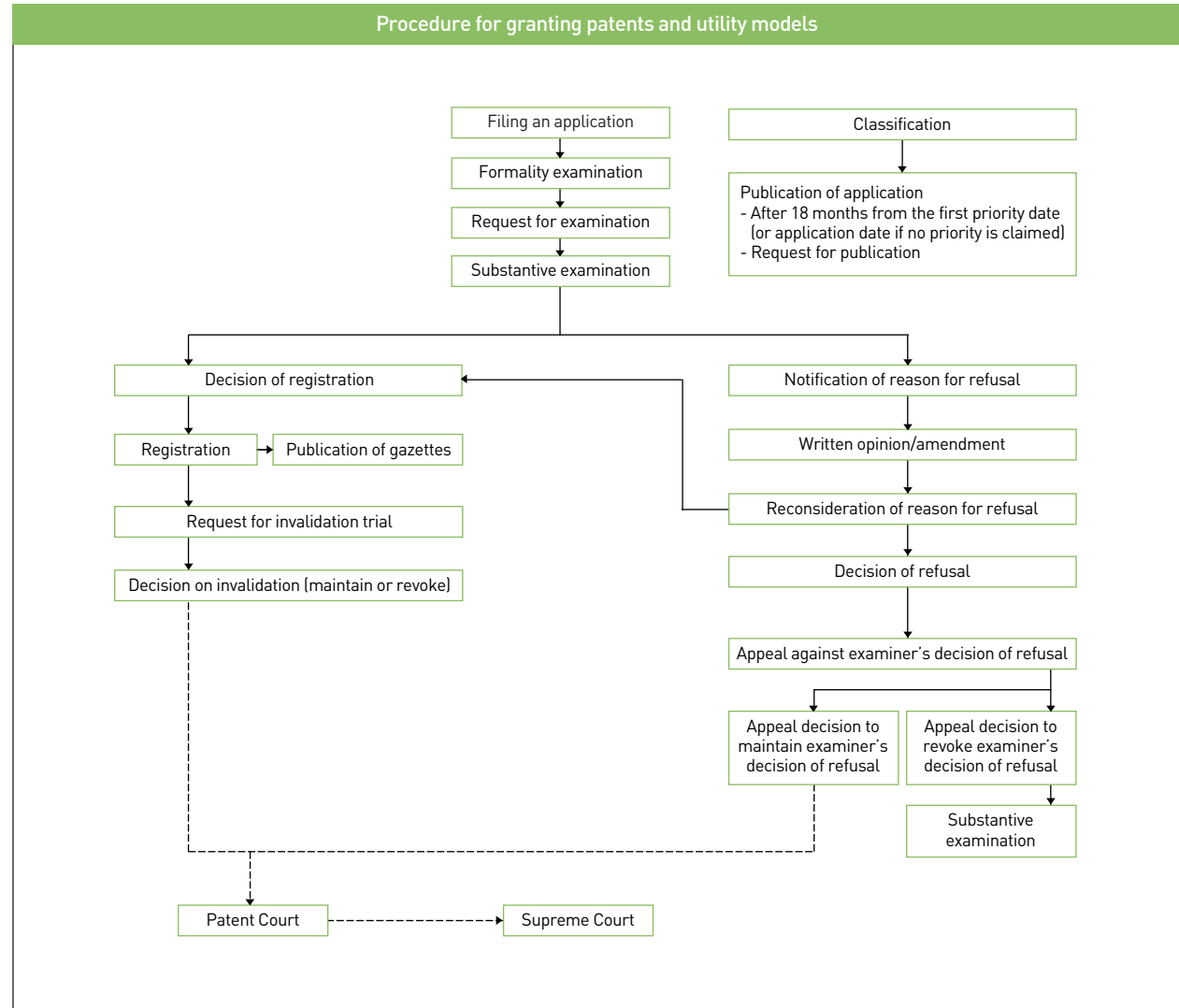
KIPO staff

		2004	2005	2006	2007	2008
Examiners	· Patent and utility models	558	728	727	660	655
	· Industrial designs	18	26	26	27	24
	· Trademarks	94	114	113	103	93
Appeal judges		41	49	79	117	99
Clerical staff		495	575	572	616	640
Total		1,206	1,492	1,517	1,528	1,511

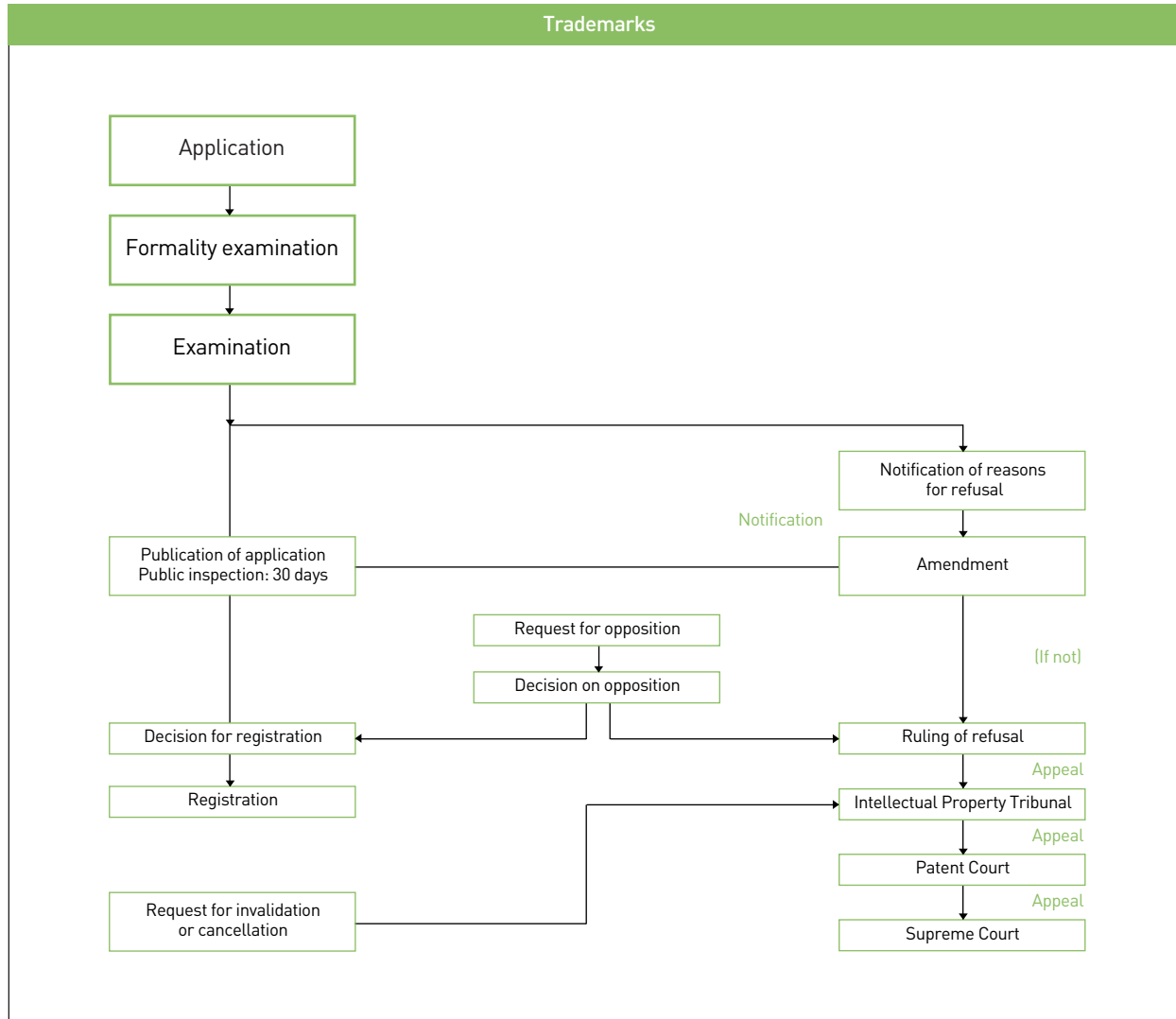
Flow chart for examinations



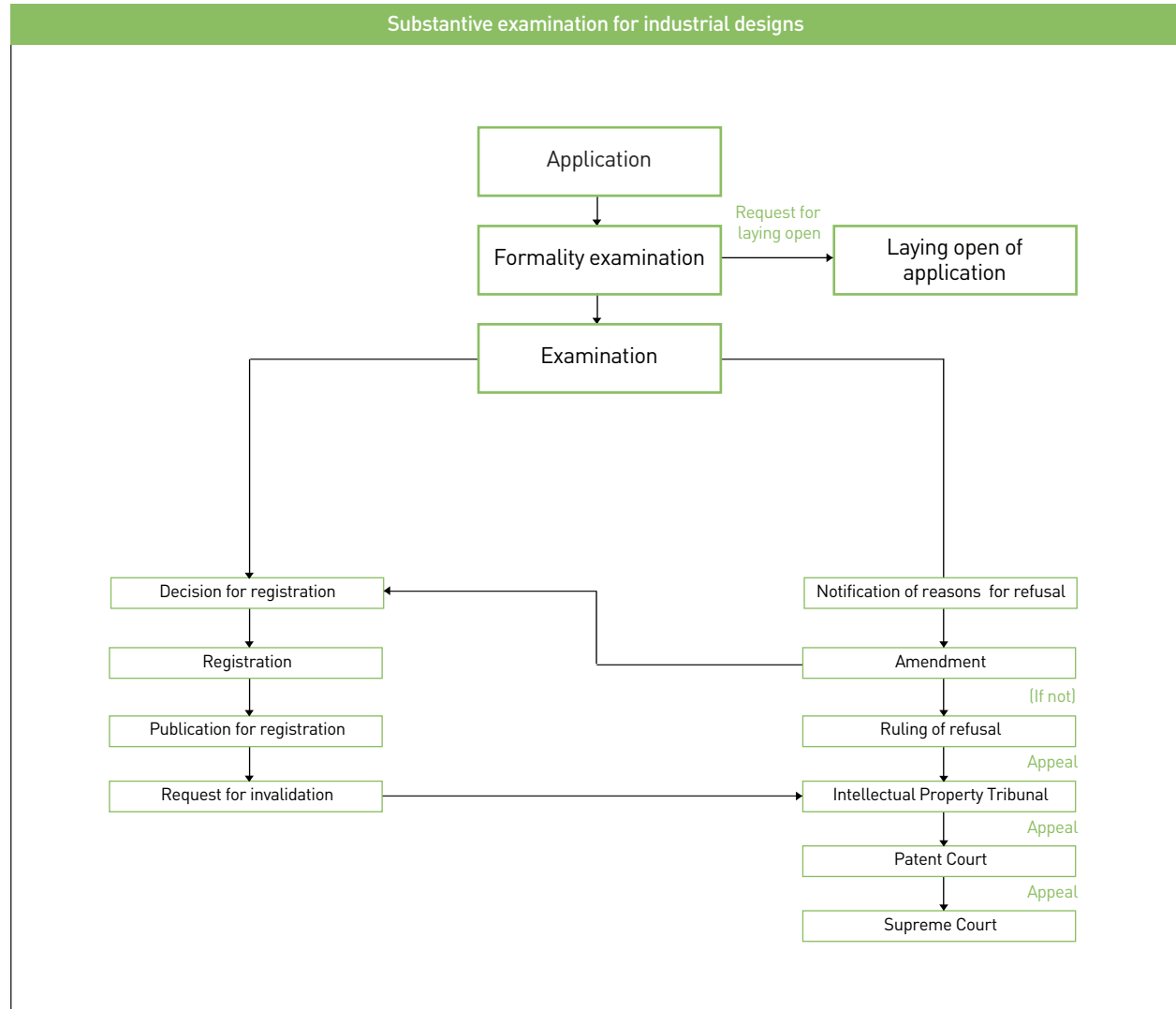
Flow chart for examinations



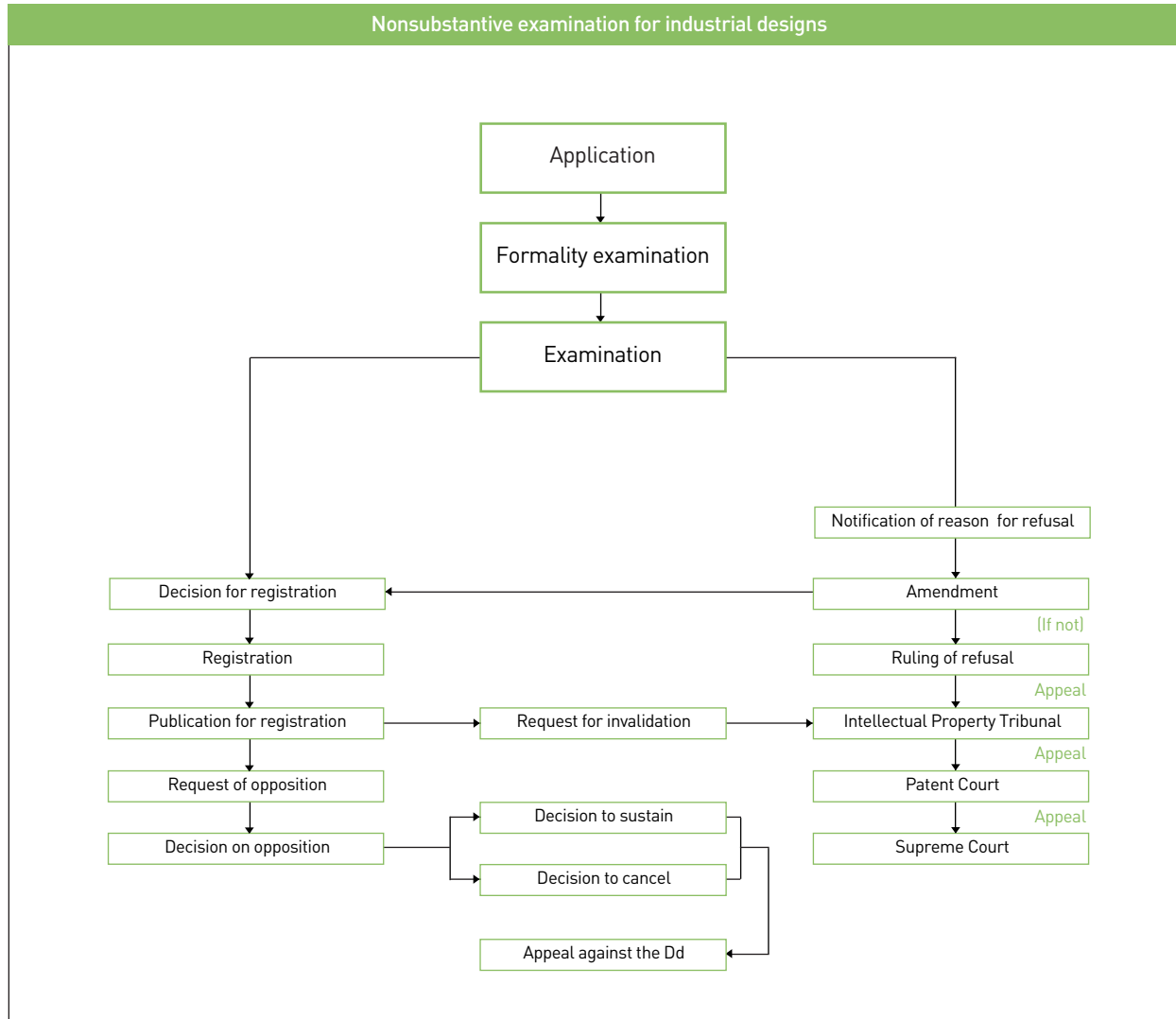
Flow chart for examinations



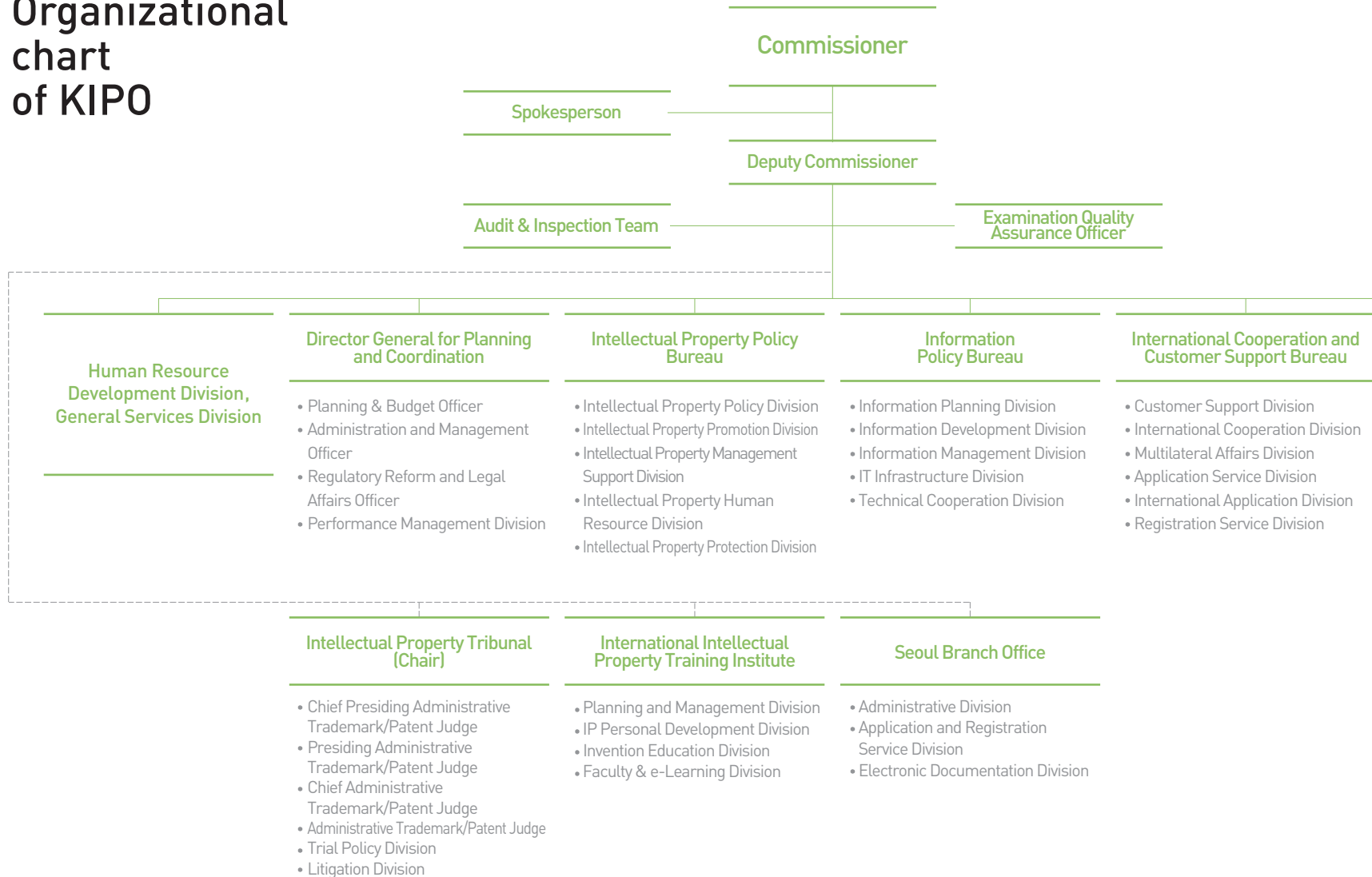
Flow chart for examinations



Flow chart for examinations



Organizational chart of KIPO



Organizational chart of KIPO

Trademark and Design Examination Bureau	Machinery, Metals and Construction Examination Bureau	Chemistry and Biotechnology Examination Bureau	Electric and Electronic Examination Bureau	Information and Communications Examination Bureau
<ul style="list-style-type: none"> • Trademark and Design Examination Policy Division • Trademark and Design Examination Support Division • Trademark Examination Division I • Trademark Examination Division II • Trademark Examination Division III • Service Mark Examination Division • International Trademark Examination Division • Design Examination Division I • Design Examination Division II 	<ul style="list-style-type: none"> • General Machinery Examination Division • Automobile Examination Division • Transport Machinery Examination Division • Prime Mover Machinery Examination Division • Precision Machinery Examination Division • Air-conditioning Machinery Examination Division • Mechatronics Examination Division • Metals Examination Division • Construction Technology Examination Division • Combined Technology Examination Division I 	<ul style="list-style-type: none"> • Biotechnology Examination Division • Chemical Material Examination Division • Fine Chemistry Examination Division • Environment and Energy Examination Division • Pharmaceutical Examination Division • Textile and Consumer Goods Examination Division • Food and Biological Resources Examination Division • Combined Technology Examination Division II 	<ul style="list-style-type: none"> • Patent Examination Policy Division • Patent Examination Support Division • Electric Examination Division • Electronic Examination Division • Semiconductor Examination Division • Electronic Commerce Examination Division • Ubiquitous Examination Division • Combined Technology Examination Division III • Semiconductor Intellectual Property Division 	<ul style="list-style-type: none"> • Telecommunications Examination Division • Information Systems Examination Division • Imaging Devices Examination Division • Computer Technology Examination Division • Display Examination Division • Digital Broadcasting Examination Division • Network Examination Division