

# APPENDIX

## 1 Statistics

Table 11 Applications for Three Kinds of Patents Received from Home and Abroad, 2001–2008

	Total				Domestic				Abroad			
	Total	Invention	Utility Model	Design	Sub-total	Invention	Utility Model	Design	Sub-total	Invention	Utility Model	Design
Accumulated Total	3486848	1234499	1022921	1229428	2893102	725803	1013612	1153687	593746	508696	9309	75741
Average Growth Rate(%)	21.9%	23.9%	15.9%	25.7%	23.2%	30.3%	15.9%	26.3%	15.4%	15.4%	9.1%	16.6%
2002	252631 24.1%	80232 26.9%	93139 16.8%	79260 30.7%	205544 24.0%	39806 32.5%	92166 16.3%	73572 30.3%	47087 24.6%	40426 21.9%	973 117.7%	5688 35.8%
2003	308487 22.1%	105318 31.3%	109115 17.2%	94054 18.7%	251238 22.2%	56769 42.6%	107842 17.0%	86627 17.7%	57249 21.6%	48549 20.1%	1273 30.8%	7427 30.6%
2004	353807 14.7%	130133 23.6%	112825 3.4%	110849 17.9%	278943 11.0%	65786 15.9%	111578 3.5%	101579 17.3%	74864 30.8%	64347 32.5%	1247 -2.0%	9270 24.8%
2005	476264 34.6%	173327 33.2%	139566 23.7%	163371 47.4%	383157 37.4%	93485 42.1%	138085 23.8%	151587 49.2%	93107 24.4%	79842 24.1%	1481 18.8%	11784 27.1%
2006	573178 20.3%	210490 21.4%	161366 15.6%	201322 23.2%	470342 22.8%	122318 30.8%	159997 15.9%	188027 24.0%	102836 10.4%	88172 10.4%	1369 -7.6%	13295 12.8%
2007	694153 21.1%	245161 16.5%	181324 12.4%	267668 33.0%	586734 24.7%	153060 25.1%	179999 12.5%	253675 34.9%	107419 4.5%	92101 4.5%	1325 -3.2%	13993 5.3%
2008	828328 19.3%	289838 18.2%	225586 24.4%	312904 16.9%	717144 22.2%	194579 27.1%	223945 24.4%	298620 17.7%	111184 3.5%	95259 3.4%	1641 23.8%	14284 2.1%

Table 12 Domestic Applications for Three Kinds of Patents According to Service and Non-Service, 2002-2008

	Non-Service	Service				
		Sub-total	Colleges and Universities	Scientific Research Institutions	Industrial Enterprises	Organizations
Accumulated Total	1595181	1297921	149926	71435	1056488	20072
Average Growth Rate(%)	19.0%	28.4%	40.1%	23.0%	27.4%	33.0%
2002	124302 17.6%	81242 35.2%	5981 57.0%	5373 23.2%	68962 34.4%	926 46.5%
2003	148782 19.7%	102456 26.1%	10252 71.4%	6998 30.2%	84117 22.0%	1089 17.6%
2004	167663 12.7%	111280 8.6%	12997 26.8%	6709 -4.1%	90148 7.2%	1426 30.9%
2005	224275 33.8%	158882 42.8%	19921 53.3%	9746 45.3%	127397 41.3%	1818 27.5%
2006	266776 19.0%	203566 28.1%	22950 15.2%	9878 1.4%	166874 31.0%	3864 112.5%
2007	310625 16.4%	276109 35.6%	32680 42.4%	14119 42.9%	223480 33.9%	5830 50.9%
2008	352758 13.6%	364386 32.0%	45145 38.1%	18612 31.8%	295510 32.2%	5119 -12.2%

Table 13 Three Kinds of Patents Granted for Home and Abroad, 2002–2008

	Total				Domestic				Abroad			
	Total	Invention	Utility Model	Design	Sub-total	Invention	Utility Model	Design	Sub-total	Invention	Utility Model	Design
Accumulated Total	1750632	380732	710728	659172	1462536	159830	703411	599295	288096	220902	7317	59877
Average Growth Rate(%)	20.8%	27.8%	20.6%	17.6%	21.0%	41.2%	20.5%	17.7%	19.7%	20.2%	25.1%	16.9%
2002	132399 15.9%	21473 31.8%	57484 5.7%	53442 22.6%	112103 12.9%	5868 8.8%	57092 5.7%	49143 23.3%	20296 35.6%	15605 43.2%	392 15.0%	4299 15.2%
2003	182226 37.6%	37154 73.0%	68906 19.9%	76166 42.5%	149588 33.4%	11404 94.3%	68291 19.6%	69893 42.2%	32638 60.8%	25750 65.0%	615 56.9%	6273 45.9%
2004	190238 4.4%	49360 32.9%	70623 2.5%	70255 -7.8%	151328 1.2%	18241 60.0%	70019 2.5%	63068 -9.8%	38910 19.2%	31119 20.9%	604 -1.8%	7187 14.6%
2005	214003 12.5%	53305 8.0%	79349 12.4%	81349 15.8%	171619 13.4%	20705 13.5%	78137 11.6%	72777 15.4%	42384 8.9%	32600 4.8%	1212 100.7%	8572 19.3%
2006	268002 25.2%	57786 8.4%	107655 35.7%	102561 26.1%	223860 30.4%	25077 21.1%	106312 36.1%	92471 27.1%	44142 4.1%	32709 0.3%	1343 10.8%	10090 17.7%
2007	351782 31.3%	67948 17.6%	150036 39.4%	133798 30.5%	301632 34.7%	31945 27.4%	148391 39.6%	121296 31.2%	50150 13.6%	36003 10.1%	1645 22.5%	12502 23.9%
2008	411982 17.1%	93706 37.9%	176675 17.8%	141601 5.8%	352406 16.8%	46590 45.8%	175169 18.0%	130647 7.7%	59576 18.8%	47116 30.9%	1506 -8.4%	10954 -12.4%

Table 14 Applications for Three Kinds of Patents Received from Home, 1985–2008

Province	Accumulated Total	Year 1985-2003	Year 2004	Year 2005	Year 2006	Year 2007	Year 2008
Total	4028393	1592073	278943	383157	470342	586734	717144
Beijing	270785	128068	18402	22572	26555	31680	43508
Tianjin	104799	37463	8406	11657	13299	15744	18230
Hebei	86306	50057	5647	6401	7220	7853	9128
Shanxi	33231	17754	1949	1985	2824	3333	5386
Inner Mongolia	21518	12424	1457	1455	1946	2015	2221
Liaoning	181363	93297	14695	15672	17052	19754	20893
Jilin	54984	31861	3657	4101	4578	5251	5536
Heilongjiang	76886	44166	4919	6050	6535	7242	7974
Shanghai	288440	99146	20471	32741	36042	47205	52835
Jiangsu	431267	102705	23532	34811	53267	88950	128002
Zhejiang	392738	112379	25294	43221	52980	68933	89931
Anhui	48885	21268	2943	3516	4679	6070	10409
Fujian	95590	43759	7498	9460	10351	11341	13181
Jiangxi	36044	20079	2685	2815	3171	3548	3746
Shandong	301872	109269	18388	28835	38284	46849	60247
Henan	106023	45180	6318	8981	11538	14916	19090
Hubei	116283	43690	7960	11534	14576	17376	21147
Hunan	107374	55420	7693	8763	10249	11233	14016
Guangdong	631816	210177	52201	72220	90886	102449	103883
Guangxi	36162	21433	2202	2379	2784	3480	3884
Chongqing	53041	20100	5171	6260	6471	6715	8324
Sichuan	129279	54843	7260	10567	13109	19165	24335
Guizhou	23368	11280	1486	2226	2674	2759	2943
Yunnan	32971	18001	2132	2556	3085	3108	4089
Tibet	894	194	62	102	89	97	350
Shaanxi	64693	31196	3217	4166	5717	8499	11898
Gansu	17488	9573	910	1759	1460	1608	2178
Qinghai	3644	2161	124	216	325	387	431
Ningxia	7296	3785	399	516	671	838	1087
Xinjiang	22213	11932	1492	1851	2256	2270	2412
Hainan	7221	4305	375	498	538	632	873
Hong Kong	26308	13844	2148	2645	2623	2562	2486
Macao	268	159	9	27	12	39	22
Taiwan	217343	111105	17841	20599	22496	22833	22469
(Guangzhou)	99941	42296	8314	11016	12293	12054	13968
(Changchun)	21186	7288	1937	2409	2680	3418	3454
(Wuhan)	58875	20097	4136	6233	8125	9014	11270
(Nanjing)	44619	8969	3908	5227	6793	8030	11692
(Hangzhou)	67088	10068	5029	9479	10715	13284	18513
(Xi'an)	42436	16762	2200	2950	4172	6768	9584
(Jinan)	47508	8182	4067	6507	8219	8961	11572
(Shenyang)	62336	38528	3898	4414	4337	4905	6254
(Chengdu)	66952	12605	4324	7241	9024	14591	19167
(Dalian)	47818	13939	4377	5573	7104	8730	8095
(Xiamen)	20070	5852	2070	2796	2966	3050	3336
(Harbin)	37467	18508	2447	3528	3740	4293	4951
(Shenzhen)	170363	32720	14918	20940	29728	35808	36249
(Qingdao)	49372	17396	2834	5927	7830	7016	8369
(Ningbo)	55726	6580	2026	7764	10413	12787	16156
(XPCC)	320	—	—	—	—	—	320

Table 15 Applications for Three Kinds of Patents Received from Home in 2008

Province	Total	Invention	Utility Model	Design
Accumulated Total	717144	194579	223945	298620
Beijing	43508	28394	11157	3957
Tianjin	18230	6281	6061	5888
Hebei	9128	2380	5001	1747
Shanxi	5386	2053	2283	1050
Inner Mongolia	2221	695	980	546
Liaoning	20893	6493	10348	4052
Jilin	5536	1895	2302	1339
Heilongjiang	7974	3047	3877	1050
Shanghai	52835	17831	14325	20679
Jiangsu	128002	22601	23379	82022
Zhejiang	89931	12063	25134	52734
Anhui	10409	2729	3988	3692
Fujian	13181	2701	5141	5339
Jiangxi	3746	1016	1726	1004
Shandong	60247	13714	25562	20971
Henan	19090	4954	8167	5969
Hubei	21147	4616	8793	7738
Hunan	14016	5335	4872	3809
Guangdong	103883	28099	28883	46901
Guangxi	3884	1086	1863	935
Chongqing	8324	1997	3237	3090
Sichuan	24335	4098	6914	13323
Guizhou	2943	873	1403	667
Yunnan	4089	1474	1389	1226
Tibet	350	39	48	263
Shaanxi	11898	3775	3961	4162
Gansu	2178	952	970	256
Qinghai	431	148	120	163
Ningxia	1087	160	329	598
Xinjiang	2412	482	1408	522
Hainan	873	331	366	176
Hong Kong	2486	607	614	1265
Macao	22	10	8	4
Taiwan	22469	11650	9336	1483
(Guangzhou)	13968	4039	4434	5495
(Changchun)	3454	1311	1257	886
(Wuhan)	11270	2905	4743	3622
(Nanjing)	11692	5019	3137	3536
(Hangzhou)	18513	5129	5763	7621
(Xi'an)	9584	3049	2891	3644
(Jinan)	11572	3455	5007	3110
(Shenyang)	6254	2680	2605	969
(Chengdu)	19167	2902	4746	11519
(Dalian)	8095	1777	4249	2069
(Xiamen)	3336	848	1509	979
(Harbin)	4951	2382	1827	742
(Shenzhen)	36249	18757	9008	8484
(Qingdao)	8369	2071	2644	3654
(Ningbo)	16156	1949	5702	8505
(XPCC)	320	74	197	49

**Table 16 Distribution of Foreign Applications for Patents Received, 1985–2008**

Countries and Region	Accumulated Total	Year 1985-2003	Year 2004	Year 2005	Year 2006	Year 2007	Year 2008
<b>Total</b>	<b>825113</b>	<b>335703</b>	<b>74864</b>	<b>93107</b>	<b>102836</b>	<b>107419</b>	<b>111184</b>
Algeria	2	1	0	1	0	0	0
Andorra	6	2	2	0	0	2	0
Anguilla	1	0	0	0	0	0	1
Antigua and Barbuda	6	1	2	0	0	3	0
Argentina	82	42	2	8	10	5	15
Armenia	3	1	0	0	0	1	1
Aruba	1	0	0	1	0	0	0
Australia	6938	3161	637	707	753	816	864
Austria	3243	1558	223	284	309	422	447
Azerbaijan	1	0	0	0	0	1	0
Bahamas	152	78	24	9	17	13	11
Bahrain	3	3	0	0	0	0	0
Bangladesh	2	0	0	0	2	0	0
Barbados	252	30	22	35	56	52	57
Belarus	22	6	4	3	5	3	1
Belgium	3575	1332	275	380	465	562	561
Belize	19	2	1	0	2	7	7
Bermuda	367	60	34	38	50	73	112
Bolivia	1	0	0	0	0	0	1
Brazil	734	302	63	82	77	88	122
Brunei	34	2	1	2	14	11	4
Bulgaria	74	46	5	6	6	2	9
Burundi	1	0	0	0	0	0	1
Cameroon	2	0	1	0	1	0	0
Canada	6906	2785	607	724	821	953	1016
Cayman Islands	684	84	20	66	167	163	184
Central African Republic	2	2	0	0	0	0	0
Chile	59	15	3	4	9	11	17
Colombia	26	10	1	3	2	2	8
the Cook Islands	5	1	1	1	2	0	0
Costa Rica	3	3	0	0	0	0	0
Croatia	112	50	12	20	12	12	6
Cuba	117	48	12	16	8	10	23
Cyprus	133	43	9	17	23	9	32
the Czech Republic	418	23	25	77	70	127	96
Czechoslovakia	72	72	0	0	0	0	0
Denmark	4905	2061	406	478	558	637	765
Dominica	3	1	0	0	2	0	0
Dominican Republic	2	1	0	0	0	1	0
DPRK	17	6	1	2	1	4	3
Ecuador	6	3	0	1	2	0	0
Egypt	25	4	1	4	7	7	2
El Salvador	1	1	0	0	0	0	0
Estonia	13	5	1	1	2	1	3
Fiji	10	0	0	0	0	10	0
Finland	8539	3617	817	851	988	1065	1201
France	30829	14009	2465	3190	3614	3697	3854
Georgia	5	3	0	0	2	0	0
Germany	71887	30259	5917	7502	8676	9388	10145

## Continued

Countries and Region	Accumulated Total	Year 1985-2003	Year 2004	Year 2005	Year 2006	Year 2007	Year 2008
Total	825113	335703	74864	93107	102836	107419	111184
Gibraltar	12	9	0	2	1	0	0
Greece	155	67	9	11	23	21	24
Haiti	1	0	0	0	0	1	0
Hungary	691	486	33	33	45	51	43
Iceland	94	28	6	12	10	14	24
India	1332	389	171	217	183	175	197
Indonesia	126	48	11	20	16	23	8
Iran	8	1	0	1	1	0	5
Iraq	1	1	0	0	0	0	0
Ireland	838	251	77	82	121	139	168
Islas Malvinas	1	1	0	0	0	0	0
Israel	2687	969	251	237	338	428	464
Italy	13154	5043	1167	1632	1699	1852	1761
Japan	300141	119032	30444	36221	37848	38188	38408
Jersey	8	3	5	0	0	0	0
Jordan	14	6	0	0	0	6	2
Kazakhstan	15	4	0	5	1	2	3
Kuwait	9	6	0	1	2	0	0
Kyrgyzstan	3	0	0	1	1	0	1
Latvia	20	4	1	1	7	1	6
Lebanon	8	5	2	0	0	1	0
Lesotho	1	1	0	0	0	0	0
Liberia	3	3	0	0	0	0	0
Liechtenstein	1041	469	87	84	85	109	207
Lithuania	3	0	0	2	0	1	0
Luxemburg	678	330	28	53	69	98	100
Madagascar	2	2	0	0	0	0	0
Malawi	2	1	1	0	0	0	0
Malaysia	651	250	66	46	76	84	129
Maldives	2	2	0	0	0	0	0
Mali	7	2	4	1	0	0	0
Malta	24	8	1	2	3	7	3
Marshall Islands	2	0	0	0	0	1	1
Mauritius	87	4	1	34	11	12	25
Mexico	209	60	15	14	26	27	67
Moldova	1	0	0	0	0	1	0
Monaco	101	55	4	4	12	7	19
Mongolia	1	0	0	0	0	0	1
Morocco	13	1	3	1	3	4	1
Namibia	2	0	0	0	1	0	1
the Netherlands	29070	11017	2960	3988	3721	3760	3624
Netherlands Antilles	262	94	22	35	54	29	28
New Zealand	832	349	44	84	96	118	141
Niger	1	1	0	0	0	0	0
Nigeria	5	1	2	1	1	0	0
Norway	1791	816	159	168	184	248	216
Oman	3	0	0	0	0	3	0
Pakistan	9	5	0	0	1	0	3
Panama	264	126	47	35	25	15	16
Paraguay	1	0	0	0	0	0	1

Countries and Region	Accumulated Total	Year 1985-2003	Year 2004	Year 2005	Year 2006	Year 2007	Year 2008
Total	825113	335703	74864	93107	102836	107419	111184
Peru	3	3	0	0	0	0	0
the Philippines	60	32	7	6	2	5	8
Poland	193	87	12	22	13	33	26
Portugal	132	31	11	9	15	39	27
Puerto Rico	6	0	0	1	1	0	4
the Republic of Korea	67892	22415	6660	9300	10596	9601	9320
Romania	19	10	0	2	1	4	2
Russia	1314	929	65	50	85	78	107
Saint Kitts and Nevis	3	2	0	0	0	0	1
Saint Vincent and the Grenadines	2	1	0	1	0	0	0
Samoa	104	20	5	10	12	28	29
San Marino	14	3	1	2	2	0	6
Saudi Arabia	401	25	4	28	218	55	71
Senegal	2	1	0	0	0	0	1
Serbia and Montenegro	4	0	0	2	2	0	0
Seychelles	19	1	0	2	3	5	8
Singapore	2218	658	156	208	417	416	363
Slovak	43	1	4	10	6	9	13
Slovenia	143	54	11	18	17	14	29
South Africa	769	347	69	84	85	82	102
Spain	2854	866	213	373	391	520	491
Sri Lanka	47	44	1	0	1	1	0
Sudan	1	1	0	0	0	0	0
Swaziland	1	1	0	0	0	0	0
Sweden	13365	6079	899	1101	1492	1726	2068
Switzerland	22186	10336	1744	2106	2370	2800	2830
Syria	1	1	0	0	0	0	0
Thailand	444	259	51	25	44	38	27
Trinidad and Tobago	2	1	0	1	0	0	0
Tunisia	5	1	0	0	0	3	1
Turkey	355	57	20	46	36	82	114
Uganda	2	0	0	0	0	2	0
Ukraine	68	43	3	4	5	8	5
United Arab Emirates	123	5	3	5	51	56	3
the United Kingdom	18548	9476	1401	1613	1813	2012	2233
the United States	197312	83672	16187	20395	23494	25908	27656
Uruguay	14	5	6	1	1	0	1
Uzbekistan	5	5	0	0	0	0	0
Vanuatu	12	9	0	2	1	0	0
Vatican	2	2	0	0	0	0	0
Venezuela	41	31	2	4	0	3	1
Vietnam	12	1	0	2	5	2	2
Virgin Islands	1638	464	111	133	260	303	367
Western Sahara	1	1	0	0	0	0	0
Yugoslavia	37	33	0	0	0	2	2
Zambia	2	1	1	0	0	0	0
Zimbabwe	8	6	2	0	0	0	0



Table 17 Three Kinds of Patents Granted for Home, 1985–2008

Region	Accumulated Total	Year 1985-2002	Year 2004	Year 2005	Year 2006	Year 2007	Year 2008
Total	2142785	941940	151328	171619	223860	301632	352406
Beijing	132118	69074	9005	10100	11238	14954	17747
Tianjin	41612	19456	2578	3045	4159	5584	6790
Hebei	52299	30322	3407	3585	4131	5358	5496
Shanxi	18584	10483	1189	1220	1421	1992	2279
Inner Mongolia	12264	6969	831	845	978	1313	1328
Liaoning	91244	51621	5749	6195	7399	9615	10665
Jilin	28688	16362	2145	2023	2319	2855	2984
Heilongjiang	41994	23780	2809	2906	3622	4303	4574
Shanghai	141924	53145	10625	12603	16602	24481	24468
Jiangsu	182270	61800	11330	13580	19352	31770	44438
Zhejiang	230816	70521	15249	19056	30968	42069	52953
Anhui	26379	12839	1607	1939	2235	3413	4346
Fujian	59542	27527	4758	5147	6412	7761	7937
Jiangxi	19050	10620	1169	1361	1536	2069	2295
Shandong	149077	63155	9733	10743	15937	22821	26688
Henan	53767	25328	3318	3748	5242	6998	9133
Hubei	48956	22092	3280	3860	4734	6616	8374
Hunan	53879	29511	3281	3659	5608	5687	6133
Guangdong	371447	141109	31446	36894	43516	56451	62031
Guangxi	19986	11912	1272	1225	1442	1907	2228
Chongqing	32912	11316	3601	3591	4590	4994	4820
Sichuan	72014	32536	4430	4606	7138	9935	13369
Guizhou	12416	5962	737	925	1337	1727	1728
Yunnan	19930	11488	1264	1381	1637	2139	2021
Tibet	420	111	23	44	81	68	93
Shaanxi	32224	18006	2008	1894	2473	3451	4392
Gansu	9163	5198	514	547	832	1025	1047
Qinghai	1853	1157	70	79	97	222	228
Ningxia	3916	2217	293	214	290	296	606
Xinjiang	12596	6669	792	921	1187	1534	1493
Hainan	3696	2333	278	200	248	296	341
Hong Kong	20169	11126	1495	1669	1881	2106	1892
Macao	156	87	12	3	15	16	23
Taiwan	145425	76108	11031	11811	13203	15806	17466
(Guangzhou)	59838	25657	5468	5720	6389	8526	8078
(Changchun)	9637	2441	1277	1135	1304	1666	1814
(Wuhan)	26168	9613	1945	2382	2855	4044	5329
(Nanjing)	19553	4015	1883	2162	2890	3787	4816
(Hangzhou)	33796	4274	2459	4065	5728	7564	9706
(Xi'an)	19256	9030	1360	1280	1772	2529	3285
(Jinan)	19393	3882	1593	2129	3108	4114	4567
(Shenyang)	32715	19848	2176	2224	2514	2848	3105
(Chengdu)	34529	6100	2636	3079	5133	7239	10342
(Dalian)	18013	6864	1096	1471	2118	2957	3507
(Xiamen)	13428	3750	1419	1537	1990	2402	2330
(Harbin)	18568	9412	1212	1416	1846	2282	2400
(Shenzhen)	78218	15647	7737	8983	11494	15552	18805
(Qingdao)	25519	11301	1868	2329	3115	3595	3311
(Ningbo)	34380	4290	1434	3873	6056	8845	9882
(XPCC)	153	—	—	—	—	—	153

Table 18 Three Kinds of Patent Granted for Home in 2008

Region	Total	Invention	Utility Model	Design
Total	352406	46590	175169	130647
Beijing	17747	6478	8776	2493
Tianjin	6790	1610	4016	1164
Hebei	5496	549	3937	1010
Shanxi	2279	420	1559	300
Inner Mongolia	1328	140	866	322
Liaoning	10665	1516	8256	893
Jilin	2984	574	2005	405
Heilongjiang	4574	740	3335	499
Shanghai	24468	4258	11973	8237
Jiangsu	44438	3508	16029	24901
Zhejiang	52953	3269	20000	29684
Anhui	4346	489	2512	1345
Fujian	7937	530	3921	3486
Jiangxi	2295	218	1520	557
Shandong	26688	1845	18785	6058
Henan	9133	668	5317	3148
Hubei	8374	1152	5732	1490
Hunan	6133	1196	3446	1491
Guangdong	62031	7604	25072	29355
Guangxi	2228	204	1441	583
Chongqing	4820	532	2765	1523
Sichuan	13369	1086	5295	6988
Guizhou	1728	270	1183	275
Yunnan	2021	383	1038	600
Tibet	93	16	37	40
Shaanxi	4392	962	2774	656
Gansu	1047	211	675	161
Qinghai	228	23	100	105
Ningxia	606	48	266	292
Xinjiang	1493	82	1100	311
Hainan	341	47	198	96
Hong Kong	1892	246	738	908
Macao	23	2	20	1
Taiwan	17466	5714	10482	1270
(Guangzhou)	8078	1122	3710	3246
(Changchun)	1814	425	1170	219
(Wuhan)	5329	986	3468	875
(Nanjing)	4816	1497	2468	851
(Hangzhou)	9706	1919	4555	3232
(Xi'an)	3285	749	2053	483
(Jinan)	4567	480	3708	379
(Shenyang)	3105	694	2092	319
(Chengdu)	10342	816	3471	6055
(Dalian)	3507	454	2794	259
(Xiamen)	2330	234	1259	837
(Harbin)	2400	580	1496	324
(Shenzhen)	18805	5409	7971	5425
(Qingdao)	3311	404	2055	852
(Ningbo)	9882	505	4524	4853
(XPCC)	153	10	122	21

Table 19 Patents Granted for Foreign Applications, 1985 – 2008

Countries and Regions	Accumulated Total	Year 1985-2003	Year 2004	Year 2005	Year 2006	Year 2007	Year 2008
Total	358483	123321	38910	42384	44142	50150	59576
Andorra	2	1	0	0	0	0	1
Argentina	14	7	2	0	0	3	2
Armenia	1	1	0	0	0	0	0
Australia	3025	1150	251	382	360	431	451
Austria	1577	746	125	170	141	179	216
Bahamas	77	35	5	9	12	6	10
Bahrain	1	0	1	0	0	0	0
Bangladesh	2	0	0	0	0	2	0
Barbados	34	6	5	1	5	5	12
Belarus	13	3	1	2	0	3	4
Belgium	1424	590	124	134	167	194	215
Belize	2	0	1	0	0	0	1
Bermuda	91	20	11	6	16	13	25
Bosnia and Herzegovina	2	2	0	0	0	0	0
Brazil	304	126	25	35	37	42	39
Brunei	16	1	1	1	2	9	2
Bulgaria	28	13	2	4	2	5	2
Canada	2444	915	244	270	237	335	443
Cayman Islands	217	51	12	13	40	42	59
Central African Republic	2	2	0	0	0	0	0
Chile	12	4	2	1	0	3	2
Colombia	12	0	2	0	2	0	8
the Cook Islands	6	0	0	1	1	2	2
Costa Rica	1	0	0	0	1	0	0
Croatia	50	16	7	5	5	12	5
Cuba	44	9	4	9	6	8	8
Cyprus	38	14	5	5	3	6	5
the Czech Republic	283	23	3	12	68	109	68
Czechoslovakia	32	32	0	0	0	0	0
Denmark	2218	811	234	283	265	317	308
Dominica	2	1	0	0	1	0	0
DPRK	4	3	0	0	0	0	1
Ecuador	1	1	0	0	0	0	0
Egypt	7	1	0	1	3	1	1
El Salvador	1	0	0	1	0	0	0
Estonia	4	1	0	1	2	0	0
Fiji	9	0	0	0	0	0	9
Finland	3770	1428	466	496	388	433	559
France	13969	5376	1541	1674	1668	1861	1849
Georgia	1	1	0	0	0	0	0

Countries and Regions	Accumulated Total	Year 1985-2003	Year 2004	Year 2005	Year 2006	Year 2007	Year 2008
Total	358483	123321	38910	42384	44142	50150	59576
Germany	30186	10802	3379	3709	3503	4064	4729
Gibraltar	9	3	1	2	1	1	1
Greece	45	15	6	6	3	3	12
Haiti	1	0	0	0	0	0	1
Hungary	261	172	14	22	15	15	23
Iceland	27	8	3	6	1	2	7
India	494	116	75	67	59	72	105
Indonesia	92	30	5	11	15	18	13
Iran	1	0	0	0	0	0	1
Ireland	279	55	36	48	30	62	48
Islas Malvinas	1	1	0	0	0	0	0
Israel	809	227	112	76	70	139	185
Italy	6285	2224	506	691	878	983	1003
Japan	147687	45794	16356	18418	19626	21123	26370
Jersey	4	3	0	0	0	0	1
Jordan	4	3	0	0	1	0	0
Kazakhstan	8	2	0	1	2	0	3
Kuwait	6	3	1	1	1	0	0
Kyrgyz Republic	1	0	0	0	0	0	1
Latvia	8	0	0	1	2	4	1
Lebanon	6	0	0	2	3	0	1
Lesotho	1	1	0	0	0	0	0
Liberia	3	3	0	0	0	0	0
Liechtenstein	523	197	65	68	45	89	59
Lithuania	2	0	0	0	2	0	0
Luxemburg	328	164	21	38	25	32	48
Madagascar	2	1	1	0	0	0	0
Malaysia	307	135	15	27	35	33	62
Maldives	1	1	0	0	0	0	0
Mali	1	0	0	0	0	1	0
Malta	8	1	3	0	1	2	1
Mauritius	47	1	0	5	20	8	13
Mexico	51	16	4	5	4	9	13
Monaco	51	28	4	8	2	4	5
Morocco	8	1	2	0	1	3	1
the Netherlands	10903	3862	1276	1333	1329	1441	1662
Netherlands Antilles	143	26	14	35	21	26	21
New Zealand	288	116	30	24	31	32	55
Nigeria	4	0	0	2	1	1	0
Norway	784	331	92	69	88	94	110
Pakistan	5	4	0	0	0	1	0
Panama	154	49	12	16	17	29	31

Continued

Countries and Regions	Accumulated Total	Year 1985-2003	Year 2004	Year 2005	Year 2006	Year 2007	Year 2008
Total	358483	123321	38910	42384	44142	50150	59576
Peru	1	1	0	0	0	0	0
the Philippines	27	17	2	2	1	2	3
Poland	88	37	3	4	8	20	16
Portugal	41	10	2	4	6	3	16
the Republic of Korea	27569	7579	2865	3273	3874	4373	5605
Romania	8	4	0	1	0	1	2
Russia	445	232	35	47	38	38	55
Saint Vincent and the Grenadines	1	1	0	0	0	0	0
Samoa	48	19	2	4	8	7	8
San Marino	4	1	0	0	2	1	0
Saudi Arabia	277	8	4	8	112	104	41
Serbia and Montenegro	1	0	0	0	1	0	0
Seychelles	3	0	1	1	0	0	1
Singapore	854	304	73	99	115	123	140
Slovak	20	1	2	3	5	1	8
Slovenia	53	14	8	9	11	3	8
South Africa	274	94	23	38	30	49	40
Spain	1320	353	91	161	222	239	254
Sri Lanka	28	26	0	0	1	0	1
Swaziland	1	1	0	0	0	0	0
Sweden	5973	2440	841	775	515	678	724
Switzerland	10560	4638	1084	1103	1135	1290	1310
Syria	1	0	0	0	1	0	0
Thailand	296	152	54	19	12	40	19
Trinidad and Tobago	1	0	0	0	1	0	0
Tunisia	2	0	0	0	0	0	2
Turkey	140	26	17	21	32	12	32
Uganda	2	0	0	0	0	2	0
Ukraine	28	14	2	3	6	2	1
United Arab Emirates	106	3	1	1	2	64	35
the United Kingdom	7939	3487	787	885	862	918	1000
the United States	71848	27786	7824	7595	7739	9709	11195
Uruguay	7	2	0	1	1	2	1
Uzbekistan	3	2	1	0	0	0	0
Vanuatu	4	2	0	0	1	0	1
Venezuela	31	15	3	6	5	2	0
Vietnam	6	1	0	0	1	4	0
Virgin Islands	881	244	78	114	131	151	163
Yugoslavia	21	19	0	0	0	0	2
Zimbabwe	3	3	0	0	0	0	0

Table 20 Valid Patents of Domestic Origin (By the end of 2008)

Region	Total	Invention	Utility Model	Design
Total	923814	127599	332873	463342
Beijing	55772	20329	8591	26852
Tianjin	17321	3912	3575	9834
Hebei	15776	1793	3480	10503
Shanxi	6076	1337	937	3802
Inner Mongolia	3711	481	1110	2120
Liaoning	27614	4978	3438	19198
Jilin	8657	1800	1517	5340
Heilongjiang	13589	2251	1742	9596
Shanghai	66941	12832	21856	32253
Jiangsu	94372	8213	44094	42065
Zhejiang	121345	7661	65849	47835
Anhui	10447	1181	3292	5974
Fujian	22976	1451	10532	10993
Jiangxi	5706	661	1565	3480
Shandong	58482	4956	14887	38639
Henan	20715	2041	5984	12690
Hubei	19931	3413	3772	12746
Hunan	17639	2922	5158	9559
Guangdong	177148	16022	89895	71231
Guangxi	6213	717	1827	3669
Chongqing	16361	1275	7016	8070
Sichuan	29310	3395	13722	12193
Guizhou	5130	932	983	3215
Yunnan	6608	1445	2152	3011
Tibet	231	41	125	65
Shaanxi	11106	2698	1724	6684
Gansu	3113	676	517	1920
Qinghai	559	106	231	222
Ningxia	1336	193	442	701
Xinjiang	4130	407	824	2899
Hainan	1085	196	413	476
Hong Kong	7862	916	4578	2368
Macao	44	6	11	27
Taiwan	66508	16362	7034	43112
(Guangzhou)	26387	3319	12003	11065
(Changchun)	5100	1250	870	2980
(Wuhan)	12605	2852	2132	7621
(Nanjing)	11947	3538	2340	6069
(Hangzhou)	22741	4260	7610	10871
(Xi'an)	8361	2201	1298	4862
(Jinan)	9943	1177	1290	7476
(Shenyang)	8411	1798	1111	5502
(Chengdu)	20452	2431	10374	7647
(Dalian)	8352	1599	999	5754
(Xiamen)	7545	601	3004	3940
(Harbin)	6891	1574	1087	4230
(Shenzhen)	52534	10095	19048	23391
(Qingdao)	10770	1170	3690	5910
(Ningbo)	27115	1199	15838	10078
(XPCC)	496	53	92	351

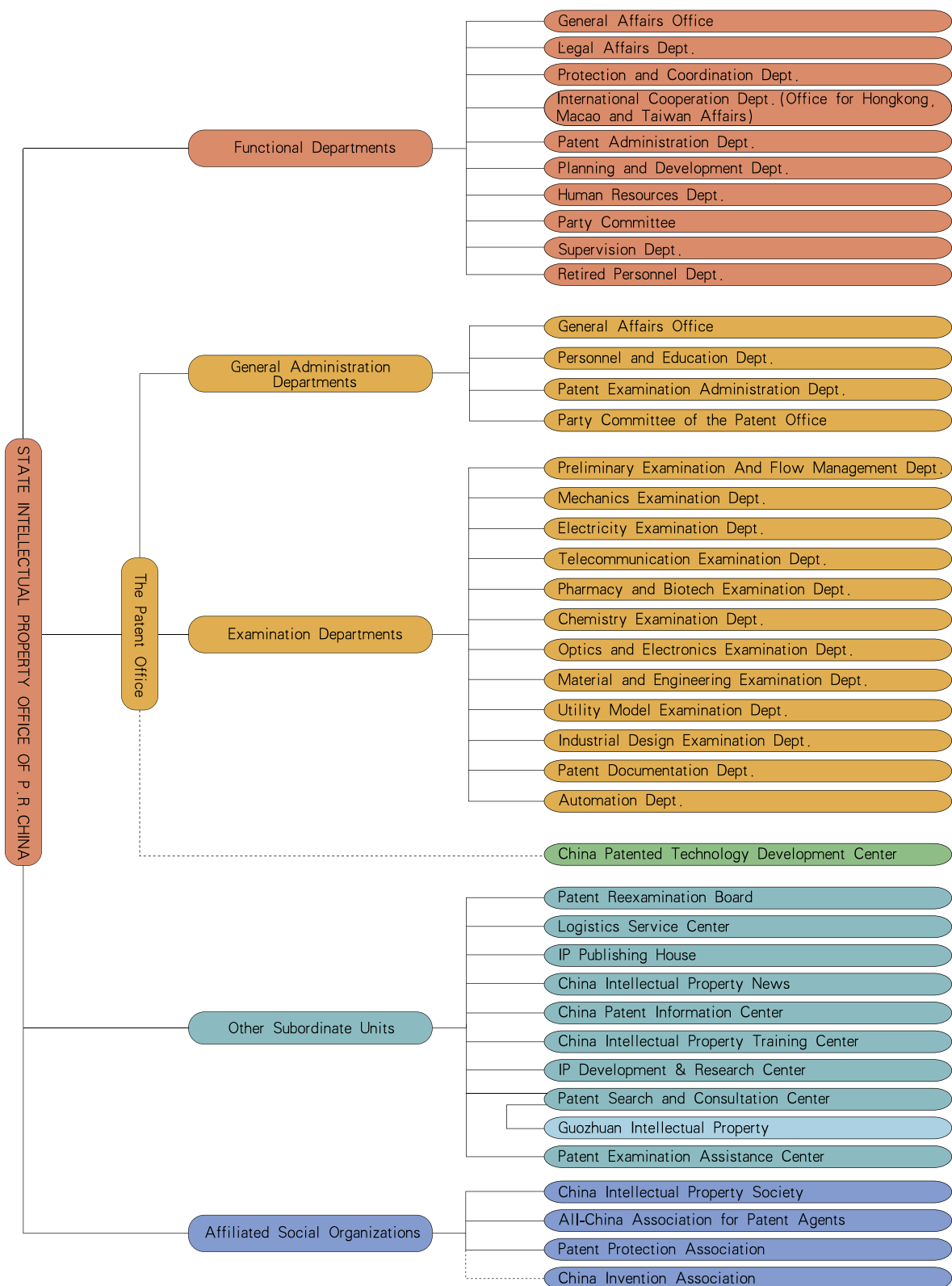
Table 21 Valid Patents of Foreign Origin (By the end of 2008)

Countries and Regions	Total	Invention	Utility Model	Design
Total	267702	208092	53641	5969
Andorra	3	3	0	0
Antigua and Barbuda	1	1	0	0
Argentina	7	3	2	2
Armenia	1	1	0	0
Australia	2043	1369	619	55
Austria	1144	953	169	22
Bahamas	59	24	26	9
Barbados	48	42	6	0
Belarus	8	4	4	0
Belgium	1055	841	207	7
Belize	2	1	1	0
Bermuda	60	41	9	10
Bosnia and Herzegovina	1	1	0	0
Brazil	241	167	69	5
Brunei	19	7	0	12
Bulgaria	6	2	3	1
Canada	1682	1423	181	78
Cayman Islands	466	86	256	124
Chile	9	5	3	1
Colombia	10	6	3	1
the Cook Islands	4	1	3	0
Costa Rica	1	1	0	0
Croatia	35	32	3	0
Cuba	40	40	0	0
Cyprus	39	35	1	3
the Czech Republic	266	40	199	27
Denmark	1681	1200	425	56
Dominican Republic	1	1	0	0
DPRK	1	1	0	0
Ecuador	1	1	0	0
Egypt	4	2	2	0
El Salvador	1	1	0	0
Estonia	2	2	0	0
Fiji	4	0	1	3
Finland	3097	2471	615	11
France	9927	7603	2239	85
Germany	22260	17628	4316	316
Gibraltar	6	6	0	0
Greece	35	26	8	1
Haiti	1	0	1	0
Hungary	97	83	12	2
Iceland	19	19	0	0
India	289	234	55	0
Indonesia	59	7	48	4
Iran	1	1	0	0
Ireland	262	135	109	18
Israel	592	481	108	3
Italy	4557	2562	1893	102
Japan	115197	90192	23049	1956
Kazakhstan	8	7	0	1
Kenya	1	1	0	0
Kuwait	3	3	0	0
Latvia	3	1	0	2

Countries and Regions	Total	Invention	Utility Model	Design
Total	267702	208092	53641	5969
Lebanon	4	0	0	4
Liechtenstein	393	221	172	0
Luxemburg	216	186	22	8
Madagascar	1	1	0	0
Malaysia	185	52	113	20
Malta	6	3	3	0
Mauritius	49	10	17	22
Mexico	28	20	6	2
Monaco	25	22	3	0
Morocco	8	1	5	2
the Netherlands	7669	6709	928	32
Netherlands Antilles	94	91	3	0
New Zealand	171	114	54	3
Nigeria	4	0	4	0
Norway	547	461	85	1
Pakistan	5	0	5	0
Panama	112	103	6	3
Philippine	10	2	5	3
Poland	46	32	11	3
Portugal	38	22	16	0
Romania	8	7	1	0
Russia	208	165	13	30
Saint Kitts and Nevis	2	2	0	0
Saint Vincent and the Grenadines	1	1	0	0
Samoa	33	1	4	28
San Marino	4	2	2	0
Saudi Arabia	182	27	154	1
Seychelles	13	9	1	3
Singapore	702	428	217	57
Slovak	21	11	10	0
Slovenia	35	30	5	0
South Africa	195	178	10	7
Spain	963	364	562	37
Sri Lanka	1	0	0	1
Swaziland	1	1	0	0
Sweden	4637	4025	561	51
Switzerland	7606	5886	1652	68
Thailand	127	30	75	22
the Republic of Korea	21855	17503	3844	508
Tunisia	2	0	2	0
Turkey	98	22	71	5
Uganda	2	0	2	0
Ukraine	19	18	0	1
United Arab Emirates	91	0	91	0
the United Kingdom	5072	3686	1259	127
the United States	50103	39599	8646	1858
Uruguay	5	4	0	1
Uzbekistan	1	1	0	0
Vanuatu	2	2	0	0
Venezuela	26	21	5	0
Vietnam	4	0	4	0
Virgin Islands	710	219	347	144
Yugoslavia	3	3	0	0



## 2 Organization Chart





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