

Appendix

1. Statistics

Table 1 Applications for Three Kinds of Patents Received from Home and Abroad, 2003–2009

	Total				Domestic				Abroad			
	Total	Invention	Utility Model	Design	Sub-total	Invention	Utility Model	Design	Sub-total	Invention	Utility Model	Design
Accumulated Total	4210903	1468840	1240553	1501510	3565169	915093	1230307	1419769	645734	553747	10246	81741
Average Growth Rate (%)	21.2%	20.0%	19.1%	24.6%	23.2%	26.2%	19.2%	25.6%	9.6%	9.9%	7.0%	7.9%
2003	308487	105318	109115	94054	251238	56769	107842	86627	57249	48549	1273	7427
	22.1%	31.3%	17.2%	18.7%	22.2%	42.6%	17.0%	17.7%	21.6%	20.1%	30.8%	30.6%
2004	353807	130133	112825	110849	278943	65786	111578	101579	74864	64347	1247	9270
	14.7%	23.6%	3.4%	17.9%	11.0%	15.9%	3.5%	17.3%	30.8%	32.5%	-2.0%	24.8%
2005	476264	173327	139566	163371	383157	93485	138085	151587	93107	79842	1481	11784
	34.6%	33.2%	23.7%	47.4%	37.4%	42.1%	23.8%	49.2%	24.4%	24.1%	18.8%	27.1%
2006	573178	210490	161366	201322	470342	122318	159997	188027	102836	88172	1369	13295
	20.3%	21.4%	15.6%	23.2%	22.8%	30.8%	15.9%	24.0%	10.4%	10.4%	-7.6%	12.8%
2007	694153	245161	181324	267668	586734	153060	179999	253675	107419	92101	1325	13993
	21.1%	16.5%	12.4%	33.0%	24.7%	25.1%	12.5%	34.9%	4.5%	4.5%	-3.2%	5.3%
2008	828328	289838	225586	312904	717144	194579	223945	298620	111184	95259	1641	14284
	19.3%	18.2%	24.4%	16.9%	22.2%	27.1%	24.4%	17.7%	3.5%	3.4%	23.8%	2.1%
2009	976686	314573	310771	351342	877611	229096	308861	339654	99075	85477	1910	11688
	17.9%	8.5%	37.8%	12.3%	22.4%	17.7%	37.9%	13.7%	-10.9%	-10.3%	16.4%	-18.2%

Table 2 Domestic Applications for Three Kinds of Patents According to Service and Non-Service, 2003–2009

	Non-Service	Service				
		Sub-total	Colleges and Universities	Scientific Research Institutions	Enterprises	Organizations
Accumulated Total	1865439	1699730	205524	87333	1381825	25048
Average Growth Rate (%)	17.7%	29.5%	34.8%	20.4%	29.4%	32.5%
2003	148782	102456	10252	6998	84117	1089
	19.7%	26.1%	71.4%	30.2%	22.0%	17.6%
2004	167663	111280	12997	6709	90148	1426
	12.7%	8.6%	26.8%	-4.1%	7.2%	30.9%
2005	224275	158882	19921	9746	127397	1818
	33.8%	42.8%	53.3%	45.3%	41.3%	27.5%
2006	266776	203566	22950	9878	166874	3864
	19.0%	28.1%	15.2%	1.4%	31.0%	112.5%
2007	310625	276109	32680	14119	223480	5830
	16.4%	35.6%	42.4%	42.9%	33.9%	50.9%
2008	352758	364386	45145	18612	295510	5119
	13.6%	32.0%	38.1%	31.8%	32.2%	-12.2%
2009	394560	483051	61579	21271	394299	5902
	11.9%	32.6%	36.4%	14.3%	33.4%	15.3%

Table 3 Three Kinds of Patents Granted for Home and Abroad, 2003–2009

	Total				Domestic				Abroad			
	Total	Invention	Utility Model	Design	Sub-total	Invention	Utility Model	Design	Sub-total	Invention	Utility Model	Design
Accumulated Total	2200225	487748	857046	855431	1852219	219353	848432	784434	348006	268395	8614	70997
Average Growth Rate(%)	21.4%	23.0%	19.8%	21.9%	22.3%	33.8%	19.8%	22.3%	16.2%	16.1%	18.3%	16.2%
2003	182226	37154	68906	76166	149588	11404	68291	69893	32638	25750	615	6273
	37.6%	73.0%	19.9%	42.5%	33.4%	94.3%	19.6%	42.2%	60.8%	65.0%	56.9%	45.9%
2004	190238	49360	70623	70255	151328	18241	70019	63068	38910	31119	604	7187
	4.4%	32.9%	2.5%	-7.8%	1.2%	60.0%	2.5%	-9.8%	19.2%	20.9%	-1.8%	14.6%
2005	214003	53305	79349	81349	171619	20705	78137	72777	42384	32600	1212	8572
	12.5%	8.0%	12.4%	15.8%	13.4%	13.5%	11.6%	15.4%	8.9%	4.8%	100.7%	19.3%
2006	268002	57786	107655	102561	223860	25077	106312	92471	44142	32709	1343	10090
	25.2%	8.4%	35.7%	26.1%	30.4%	21.1%	36.1%	27.1%	4.1%	0.3%	10.8%	17.7%
2007	351782	67948	150036	133798	301632	31945	148391	121296	50150	36003	1645	12502
	31.3%	17.6%	39.4%	30.5%	34.7%	27.4%	39.6%	31.2%	13.6%	10.1%	22.5%	23.9%
2008	411982	93706	176675	141601	352406	46590	175169	130647	59576	47116	1506	10954
	17.1%	37.9%	17.8%	5.8%	16.8%	45.8%	18.0%	7.7%	18.8%	30.9%	-8.4%	-12.4%
2009	581992	128489	203802	249701	501786	65391	202113	234282	80206	63098	1689	15419
	41.3%	37.1%	15.4%	76.3%	42.4%	40.4%	15.4%	79.3%	34.6%	33.9%	12.2%	40.8%

Table 4 Applications for Three Kinds of Patents Received from Home, 1985–2009

Region	Accumulated Total	1985–2004	2005	2006	2007	2008	2009
Total	4898273	1863521	383157	470342	586498	717144	877611
Beijing	319205	144654	22572	26555	31680	43508	50236
Tianjin	123771	45217	11657	13299	15744	18230	19624
Hebei	97663	55700	6401	7220	7853	9128	11361
Shanxi	40031	19681	1985	2824	3333	5386	6822
Inner Mongolia	23993	13872	1455	1946	2015	2221	2484
Liaoning	207050	108112	15672	17052	19518	20893	25803
Jilin	60872	35472	4101	4578	5251	5536	5934
Heilongjiang	85893	49078	6050	6535	7242	7974	9014
Shanghai	350515	119451	32741	36042	47205	52835	62241
Jiangsu	603080	123721	34811	53267	88950	128002	174329
Zhejiang	500072	136525	43221	52980	68933	89931	108482
Anhui	65250	24190	3516	4679	6070	10409	16386
Fujian	113147	51255	9460	10351	11341	13181	17559
Jiangxi	41268	22764	2815	3171	3548	3746	5224
Shandong	368400	127328	28835	38284	46849	60247	66857
Henan	125393	51279	8981	11538	14916	19090	19589
Hubei	143305	51466	11534	14576	17376	21147	27206
Hunan	123311	63102	8763	10249	11233	14016	15948
Guangdong	757373	262258	72224	90886	102449	103883	125673
Guangxi	40439	23635	2379	2784	3480	3884	4277
Chongqing	66518	25266	6260	6471	6715	8324	13482
Sichuan	162286	62063	10567	13109	19165	24335	33047
Guizhou	27072	12761	2226	2674	2759	2943	3709
Yunnan	37602	20131	2556	3085	3108	4089	4633
Tibet	1085	256	98	89	97	350	195

Continued

Region	Accumulated Total	1985-2004	2005	2006	2007	2008	2009
Shaanxi	80168	34318	4166	5717	8499	11898	15570
Gansu	20162	10481	1759	1460	1608	2178	2676
Qinghai	4143	2285	216	325	387	431	499
Ningxia	8573	4184	516	671	838	1087	1277
Xinjiang	25083	13422	1851	2256	2270	2412	2872
Hainan	8261	4680	498	538	632	873	1040
Hong Kong	28528	15801	2645	2623	2562	2486	2411
Macao	305	167	27	12	39	22	38
Taiwan	238456	128946	20599	22496	22833	22469	21113
(Guangzhou)	116455	50610	11016	12293	12054	13968	16514
(Changchun)	24693	9182	2409	2680	3418	3454	3550
(Wuhan)	73350	24108	6233	8125	9014	11270	14600
(Nanjing)	58719	12756	5227	6793	8030	11692	14221
(Hangzhou)	92487	14422	9479	10715	13284	18513	26074
(Xi'an)	55113	18867	2950	4172	6768	9584	12772
(Jinan)	61176	12216	6507	8219	8961	11572	13701
(Shenyang)	70011	42393	4414	4337	4905	6254	7708
(Chengdu)	93042	16889	7241	9024	14591	19167	26130
(Dalian)	59137	18531	5573	7104	8494	8095	11340
(Xiamen)	24984	7922	2796	2966	3050	3336	4914
(Harbin)	42986	20949	3528	3740	4293	4951	5525
(Shenzhen)	212632	47628	20940	29728	35808	36249	42279
(Qingdao)	58071	20175	5927	7830	7016	8369	8754
(Ningbo)	78407	8601	7764	10413	12787	16156	22686
(XPCC)	634	0	0	0	0	320	314

Table 5 Applications for Three Kinds of Patents Received from Home in 2009

Region	Total	Invention	Utility Model	Design
Total	877611	229096	308861	339654
Beijing	50236	29326	15424	5486
Tianjin	19624	6367	8267	4990
Hebei	11361	2811	6478	2072
Shanxi	6822	2422	2791	1609
Inner Mongolia	2484	719	1266	499
Liaoning	25803	7125	12633	6045
Jilin	5934	2166	2912	856
Heilongjiang	9014	3384	4357	1273
Shanghai	62241	22012	19650	20579
Jiangsu	174329	31779	36122	106428
Zhejiang	108482	15646	40364	52472
Anhui	16386	4465	7065	4856
Fujian	17559	3842	7844	5873
Jiangxi	5224	1502	2439	1283
Shandong	66857	13983	32091	20783
Henan	19589	4952	9912	4725
Hubei	27206	6065	10579	10562
Hunan	15948	4416	7075	4457
Guangdong	125673	32247	39027	54399
Guangxi	4277	1280	2091	906
Chongqing	13482	3845	5503	4134
Sichuan	33047	6260	11943	14844
Guizhou	3709	1336	1659	714
Yunnan	4633	1637	1825	1171
Tibet	195	71	72	52
Shaanxi	15570	5858	5798	3914
Gansu	2676	1120	1075	481
Qinghai	499	175	147	177
Ningxia	1277	182	284	811
Xinjiang	2872	662	1865	345

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Region	Total	Invention	Utility Model	Design
Hainan	1040	456	359	225
Hong Kong	2411	634	645	1132
Macao	38	18	15	5
Taiwan	21113	10333	9284	1496
(Guangzhou)	16514	5035	5626	5853
(Changchun)	3550	1499	1573	478
(Wuhan)	14600	3927	5767	4906
(Nanjing)	14221	6461	4318	3442
(Hangzhou)	26074	6707	9799	9568
(Xi'an)	12772	5014	4489	3269
(Jinan)	13701	2999	6757	3945
(Shenyang)	7708	2920	2889	1899
(Chengdu)	26130	4611	8986	12533
(Dalian)	11340	2388	5458	3494
(Xiamen)	4914	1241	2241	1432
(Harbin)	5525	2653	2080	792
(Shenzhen)	42279	20520	12709	9050
(Qingdao)	8754	2186	3846	2722
(Ningbo)	22686	2808	9443	10435
(XPCC)	314	79	215	20

Table 6 Distribution of Foreign Applications for Patents Received from 1985 to 2009

Country and Region	Accumulated Total	1985-2004	2005	2006	2007	2008	2009
Total	924256	410635	93107	102836	107419	111184	99075
Andorra	10	4	0	0	2	0	4
Afghanistan	2	0	0	0	0	0	2
Algeria	3	1	1	0	0	0	1
Anguilla	2	0	0	0	0	1	1
Antigua and Barbuda	7	3	0	0	3	0	1
Argentina	87	44	8	10	5	15	5
Armenia	3	1	0	0	1	1	0
Aruba	1	0	1	0	0	0	0
Australia	7658	3798	707	753	816	864	720
Austria	3656	1781	284	309	422	447	413
Azerbaijan	1	0	0	0	1	0	0
Bahamas	178	102	9	17	13	11	26
Bahrain	3	3	0	0	0	0	0
Bangladesh	2	0	0	2	0	0	0
Barbados	331	52	35	56	52	57	79
Belarus	28	10	3	5	3	1	6
Belgium	4091	1607	380	465	562	561	516
Belize	37	3	0	2	7	7	18
Bermuda	483	94	38	50	73	112	116
Bolivia	1	0	0	0	0	1	0
Brazil	855	365	82	77	88	122	121
Brunei	49	3	2	14	11	4	15
Bulgaria	75	51	6	6	2	9	1
Burundi	1	0	0	0	0	1	0
Cameroon	2	1	0	1	0	0	0
Canada	7895	3392	724	821	953	1016	989
Cayman Islands	1015	104	66	167	163	184	331
Central African Republic	2	2	0	0	0	0	0
Chile	64	18	4	9	11	17	5
Columbia	34	11	3	2	2	8	8

Continued

Country and Region	Accumulated Total	1985-2004	2005	2006	2007	2008	2009
Cook Islands	8	2	1	2	0	0	3
Costa Rica	3	3	0	0	0	0	0
Croatia	118	62	20	12	12	6	6
Cuba	124	60	16	8	10	23	7
Cyprus	150	52	17	23	9	32	17
Czech Republic	485	48	77	70	127	96	67
Czechoslovakia	72	72	0	0	0	0	0
Denmark	5644	2467	478	558	637	765	739
Dominica	3	1	0	2	0	0	0
Dominican Republic	2	1	0	0	1	0	0
DPRK	18	7	2	1	4	3	1
Ecuador	7	3	1	2	0	0	1
Egypt	26	5	4	7	7	2	1
El Salvador	1	1	0	0	0	0	0
Estonian	19	6	1	2	1	3	6
Falkland Islands	1	1	0	0	0	0	0
Fiji	10	0	0	0	10	0	0
Finland	9588	4434	851	988	1065	1201	1049
France	34453	16474	3190	3614	3697	3854	3624
Georgia	8	3	0	2	0	0	3
Germany	81581	36176	7502	8676	9388	10145	9694
Gibraltar	14	9	2	1	0	0	2
Greece	171	76	11	23	21	24	16
Grenada	1	0	0	0	0	0	1
Guatemala	1	0	0	0	0	0	1
Haiti	1	0	0	0	1	0	0
Honduras	1	0	0	0	0	0	1
Hungary	731	519	33	45	51	43	40
Iceland	122	34	12	10	14	24	28
India	1478	560	217	183	175	197	146
Indonesia	149	59	20	16	23	8	23
Iran	10	1	1	1	0	5	2

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Country and Region	Accumulated Total	1985-2004	2005	2006	2007	2008	2009
Iraq	1	1	0	0	0	0	0
Ireland	1009	328	82	121	139	168	171
Israel	3053	1220	237	338	428	464	366
Italy	14577	6210	1632	1699	1852	1761	1423
Japan	334522	149476	36221	37848	38188	38408	34381
Jersey	7	7	0	0	0	0	0
Jordan	15	6	0	0	6	2	1
Kazakhstan	18	4	5	1	2	3	3
Korea	75005	29075	9300	10596	9601	9320	7113
Kuwait	10	6	1	2	0	0	1
Kyrgyzstan	3	0	1	1	0	1	0
Latvia	27	5	1	7	1	6	7
Lebanon	8	7	0	0	1	0	0
Lesotho	1	1	0	0	0	0	0
Liberia	3	3	0	0	0	0	0
Liechtenstein	1152	556	84	85	109	207	111
Lithuania	3	0	2	0	1	0	0
Luxembourg	779	358	53	69	98	100	101
Madagascar	2	2	0	0	0	0	0
Malawi	2	2	0	0	0	0	0
Malaysia	765	316	46	76	84	129	114
Maldives	2	2	0	0	0	0	0
Mali	7	6	1	0	0	0	0
Malta	45	9	2	3	7	3	21
Marshall Islands	2	0	0	0	1	1	0
Mauritius	102	5	34	11	12	25	15
Mexico	232	75	14	26	27	67	23
Moldova	1	0	0	0	1	0	0
Monaco	105	59	4	12	7	19	4
Mongolia	1	0	0	0	0	1	0
Morocco	13	4	1	3	4	1	0
Namibia	2	0	0	1	0	1	0

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Country and Region	Accumulated Total	1985-2004	2005	2006	2007	2008	2009
Netherlands	32442	13977	3988	3721	3760	3624	3372
Netherlands Ntilles	278	116	35	54	29	28	16
New Zealand	924	393	84	96	118	141	92
Niger	1	1	0	0	0	0	0
Nigeria	6	3	1	1	0	0	1
Norway	2002	975	168	184	248	216	211
Oman	3	0	0	0	3	0	0
Pakistan	10	5	0	1	0	3	1
Panama	275	173	35	25	15	16	11
Paraguay	1	0	0	0	0	1	0
Peru	3	3	0	0	0	0	0
Philippines	68	39	6	2	5	8	8
Poland	217	99	22	13	33	26	24
Portugal	153	42	9	15	39	27	21
Puerto Rico	6	0	1	1	0	4	0
Romania	20	10	2	1	4	2	1
Russia	1436	994	50	85	78	107	122
Saint Kitts and Nevis	3	2	0	0	0	1	0
Saint Vincent and Grenadines	2	1	1	0	0	0	0
Samoa	112	25	10	12	28	29	8
San Marino	15	4	2	2	0	6	1
Saudi Arabia	435	29	28	218	55	71	34
Senegal	2	1	0	0	0	1	0
Serbia and Montenegro	2	0	2	0	0	0	0
Seychelles	31	1	2	3	5	8	12
Singapore	2522	814	208	417	416	363	304
Slovak	50	5	10	6	9	13	7
Slovenia	165	65	18	17	14	29	22
South Africa	868	416	84	85	82	102	99
Spain	3270	1079	373	391	520	491	416
Sri Lanka	47	45	0	1	1	0	0

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Country and Region	Accumulated Total	1985-2004	2005	2006	2007	2008	2009
Sudan	1	1	0	0	0	0	0
Swaziland	1	1	0	0	0	0	0
Sweden	15209	6978	1101	1492	1726	2068	1844
Switzerland	25009	12080	2106	2370	2800	2830	2823
Syria	3	1	0	0	0	0	2
Thailand	480	310	25	44	38	27	36
Trinidad and Tobago	3	1	1	0	0	0	1
Tunisia	8	1	0	0	3	1	3
Turkey	425	77	46	36	82	114	70
Uganda	2	0	0	0	2	0	0
Ukraine	71	46	4	5	8	5	3
United Arab Emirates	135	8	5	51	56	3	12
United Kingdom	20460	10878	1613	1813	2012	2233	1911
United States	221941	99859	20395	23494	25908	27656	24629
Uruguay	14	11	1	1	0	1	0
Uzbekistan	5	5	0	0	0	0	0
Vanuatu	12	9	2	1	0	0	0
Vatican	2	2	0	0	0	0	0
Venezuela	43	33	4	0	3	1	2
Vietnam	13	1	2	5	2	2	1
Virgin Islands	1947	643	133	260	303	367	241
Western Sahara	1	1	0	0	0	0	0
Yemen	3	0	0	0	0	0	3
Yugoslavia	39	33	0	2	2	2	0
Zambia	2	2	0	0	0	0	0
Zimbabwe	8	8	0	0	0	0	0
Yugoslavia	39	33	0	2	2	2	0
South Africa	868	416	84	85	82	102	99
Zambia	2	2	0	0	0	0	0
Zimbabwe	8	8	0	0	0	0	0

Table 7 Three Kinds of Patents Granted for Home, 1985–2009

Region	Accumulated Total	1985–2004	2005	2006	2007	2008	2009
Total	2643852	1092549	171619	223860	301632	352406	501786
Beijing	155034	78074	10100	11238	14954	17747	22921
Tianjin	49016	22034	3045	4159	5584	6790	7404
Hebei	59138	33729	3585	4131	5358	5496	6839
Shanxi	21811	11672	1220	1421	1992	2279	3227
Inner Mongolia	13758	7800	845	978	1313	1328	1494
Liaoning	103437	57365	6195	7399	9615	10665	12198
Jilin	31963	18507	2023	2319	2855	2984	3275
Heilongjiang	47073	26589	2906	3622	4303	4574	5079
Shanghai	176837	63770	12603	16602	24481	24468	34913
Jiangsu	269002	72576	13580	19352	31770	44438	87286
Zhejiang	310691	85700	19056	30968	42069	52953	79945
Anhui	34971	14445	1938	2235	3413	4346	8594
Fujian	70824	32285	5147	6412	7761	7937	11282
Jiangxi	21965	11789	1361	1536	2069	2295	2915
Shandong	183562	72858	10745	15937	22821	26688	34513
Henan	65190	28644	3748	5242	6998	9133	11425
Hubei	60279	25338	3860	4734	6616	8374	11357
Hunan	62188	32792	3659	5608	5687	6133	8309
Guangdong	455068	172555	36894	43516	56451	62031	83621
Guangxi	22688	13184	1225	1442	1907	2228	2702
Chongqing	40413	14917	3591	4590	4994	4820	7501
Sichuan	92146	36966	4606	7138	9935	13369	20132
Guizhou	14500	6699	925	1337	1727	1728	2084
Yunnan	22853	12752	1381	1637	2139	2021	2923
Tibet	711	134	43	81	68	93	292
Shaanxi	38292	19995	1894	2473	3451	4392	6087
Gansu	10437	5712	547	832	1025	1047	1274
Qinghai	2221	1227	79	97	222	228	368
Ningxia	4826	2510	214	290	296	606	910

Continued

Region	Accumulated Total	1985-2004	2005	2006	2007	2008	2009
Xinjiang	14462	7461	921	1187	1534	1493	1866
Hainan	4326	2611	200	248	296	341	630
Hong Kong	22419	12621	1669	1881	2106	1892	2250
Macao	171	99	3	15	16	23	15
Taiwan	161580	87139	11811	13203	15806	17466	16155
(Guangzhou)	70920	31125	5720	6389	8526	8078	11082
(Changchun)	11568	3718	1135	1304	1666	1814	1931
(Wuhan)	32990	11527	2382	2855	4044	5329	6853
(Nanjing)	26193	5898	2162	2890	3787	4816	6640
(Hangzhou)	49240	6712	4065	5728	7564	9706	15465
(Xi'an)	23945	10373	1280	1772	2529	3285	4706
(Jinan)	25782	5475	2129	3108	4114	4567	6389
(Shenyang)	36350	22023	2224	2514	2848	3105	3636
(Chengdu)	50878	8736	3079	5133	7239	10342	16349
(Dalian)	22456	7956	1471	2118	2957	3507	4447
(Xiamen)	16414	5169	1537	1990	2402	2330	2986
(Harbin)	21360	10624	1416	1846	2282	2400	2792
(Shenzhen)	104112	23384	8983	11494	15552	18805	25894
(Qingdao)	29951	13169	2329	3115	3595	3311	4432
(Ningbo)	50200	5720	3873	6056	8845	9882	15824
(XPCC)	364	0	0	0	0	153	211

Table 8 Three Kinds of Patent Granted for Home in 2009

Region	Total	Invention	Utility Model	Design
Total	501786	65391	202113	234282
Beijing	22921	9157	10141	3623
Tianjin	7404	1889	3988	1527
Hebei	6839	691	4515	1633
Shanxi	3227	603	1967	657
Inner Mongolia	1494	178	762	554
Liaoning	12198	1993	8585	1620
Jilin	3275	719	1931	625
Heilongjiang	5079	1142	3212	725
Shanghai	34913	5997	13158	15758
Jiangsu	87286	5322	21939	60025
Zhejiang	79945	4818	25295	49832
Anhui	8594	795	4226	3573
Fujian	11282	824	4939	5519
Jiangxi	2915	386	1515	1014
Shandong	34513	2865	22635	9013
Henan	11425	1129	6630	3666
Hubei	11357	1478	6285	3594
Hunan	8309	1752	4218	2339
Guangdong	83621	11355	27438	44828
Guangxi	2702	326	1506	870
Chongqing	7501	834	3274	3393
Sichuan	20132	1596	6561	11975
Guizhou	2084	322	1234	528
Yunnan	2923	476	1338	1109

Region	Total	Invention	Utility Model	Design
Tibet	292	7	40	245
Shaanxi	6087	1342	3446	1299
Gansu	1274	227	809	238
Qinghai	368	35	89	244
Ningxia	910	52	267	591
Xinjiang	1866	120	1260	486
Hainan	630	84	330	216
Hong Kong	2250	328	570	1352
Macao	15	5	5	5
Taiwan	16155	6544	8005	1606
(Guangzhou)	11082	1515	3979	5588
(Changchun)	1931	553	1098	280
(Wuhan)	6853	1262	3749	1842
(Nanjing)	6640	2087	2856	1697
(Hangzhou)	15465	2533	5780	7152
(Xi'an)	4706	1122	2581	1003
(Jinan)	6389	832	4622	935
(Shenyang)	3636	801	2083	752
(Chengdu)	16349	1201	4650	10498
(Dalian)	4447	632	3402	413
(Xiamen)	2986	328	1538	1120
(Harbin)	2792	923	1453	416
(Shenzhen)	25894	8133	9001	8760
(Qingdao)	4432	552	2511	1369
(Ningbo)	15824	802	5945	9077
(XPCC)	211	8	169	34

Table 9 Patents Granted for Foreign Applications, 1985 – 2009

Country and Region	Accumulated Total	1985–2004	2005	2006	2007	2008	2009
Andorra	3	1	0	0	0	1	1
Antigua and Barbuda	2	0	0	0	0	0	2
Argentina	23	9	0	0	3	2	9
Armenia	1	1	0	0	0	0	0
Australia	3602	1401	382	360	431	451	577
Austria	1871	871	170	141	179	216	294
Bahamas	88	40	9	12	6	10	11
Bahrain	1	1	0	0	0	0	0
Bangladesh	2	0	0	0	2	0	0
Barbados	54	11	1	5	5	12	20
Belarus	14	4	2	0	3	4	1
Belgium	1682	714	134	167	194	215	258
Belize	16	1	0	0	0	1	14
Bermuda	108	31	6	16	13	25	17
Brazil	384	151	35	37	42	39	80
Brunei	28	2	1	2	9	2	12
Bulgaria	32	15	4	2	5	2	4
Canada	3043	1159	270	237	335	443	599
Cayman Islands	298	63	13	40	42	59	81
Central African Republic	2	2	0	0	0	0	0
Chile	18	6	1	0	3	2	6
Columbia	20	2	0	2	0	8	8
Cook Islands	7	0	1	1	2	2	1
Costa Rica	1	0	0	1	0	0	0
Croatia	53	23	5	5	12	5	3
Cuba	51	13	9	6	8	8	7
Cyprus	54	19	5	3	6	5	16
Czech Republic	364	26	12	68	109	68	81
Czechoslovakia	32	32	0	0	0	0	0

Continued

Country and Region	Accumulated Total	1985-2004	2005	2006	2007	2008	2009
Denmark	2641	1045	283	265	317	308	423
Dominican Republic	2	1	0	1	0	0	0
DPRK	5	3	0	0	0	1	1
Ecuador	1	1	0	0	0	0	0
Egypt	8	1	1	3	1	1	1
El Salvador	1	0	1	0	0	0	0
Estonian	6	1	1	2	0	0	2
Falkland Islands	1	1	0	0	0	0	0
Fiji	9	0	0	0	0	9	0
Finland	4622	1894	496	388	433	559	852
France	16973	6917	1674	1668	1861	1849	3004
Gabon	2	2	0	0	0	0	0
Georgia	1	1	0	0	0	0	0
Germany	36844	14181	3709	3503	4064	4729	6658
Gibraltar	10	4	2	1	1	1	1
Greece	58	21	6	3	3	12	13
Haiti	1	0	0	0	0	1	0
Holland	13426	5138	1333	1329	1441	1662	2523
Hungary	275	186	22	15	15	23	14
Iceland	33	11	6	1	2	7	6
India	596	191	67	59	72	105	102
Indonesia	97	35	11	15	18	13	5
Iran	2	0	0	0	0	1	1
Ireland	335	91	48	30	62	48	56
Israel	997	339	76	70	139	185	188
Italy	7576	2730	691	878	983	1003	1291
Japan	181487	62146	18418	19626	21123	26370	33804
Jersey	4	3	0	0	0	1	0
Jordan	7	3	0	1	0	0	3
Kazakhstan	8	2	1	2	0	3	0
Korea	35519	10444	3273	3874	4373	5605	7950
Kuwait	7	4	1	1	0	0	1

Continued

Country and Region	Accumulated Total	1985–2004	2005	2006	2007	2008	2009
Kyrgyzstan	1	0	0	0	0	1	0
Latvia	9	0	1	2	4	1	1
Lebanon	6	0	2	3	0	1	0
Lesotho	1	1	0	0	0	0	0
Liberia	3	3	0	0	0	0	0
Liechtenstein	702	262	68	45	89	59	179
Lithuania	2	0	0	2	0	0	0
Luxembourg	397	185	38	25	32	48	69
Madagascar	2	2	0	0	0	0	0
Malaysia	409	150	27	35	33	62	102
Maldives	1	1	0	0	0	0	0
Mali	1	0	0	0	1	0	0
Malta	9	4	0	1	2	1	1
Mauritius	58	1	5	20	8	13	11
Mexico	96	20	5	4	9	13	45
Monaco	65	31	8	2	4	5	15
Mongolia	5	4	0	0	0	0	1
Morocco	8	3	0	1	3	1	0
Netherlands Ntilles	162	40	35	21	26	21	19
New Zealand	380	146	24	31	32	55	92
Nigeria	4	0	2	1	1	0	0
Norway	947	423	69	88	94	110	163
Pakistan	6	4	0	0	1	0	1
Panama	171	61	16	17	29	31	17
Paraguay	1	0	0	0	0	0	1
Peru	1	1	0	0	0	0	0
Philippines	36	19	2	1	2	3	9
Poland	110	40	4	8	20	16	22
Portugal	55	12	4	6	3	16	14
Puerto Rico	2	0	0	0	0	0	2
Romania	8	4	1	0	1	2	0
Russia	526	264	47	38	38	55	84
Saint Vincent and Grenadines	1	1	0	0	0	0	0

Country and Region	Accumulated Total	1985–2004	2005	2006	2007	2008	2009
Samoa	66	21	4	8	7	8	18
San Marino	8	1	0	2	1	0	4
Saudi Arabia	328	12	8	112	104	41	51
Senegal	1	0	0	0	0	0	1
Seychelles	9	1	1	0	0	1	6
Singapore	1087	376	99	115	123	140	234
Slovak	33	3	3	5	1	8	13
Slovenia	65	22	9	11	3	8	12
South Africa	333	117	38	30	49	40	59
Spain	1552	444	161	222	239	254	232
Sri Lanka	28	26	0	1	0	1	0
Swaziland	1	1	0	0	0	0	0
Sweden	7162	3281	775	515	678	724	1189
Switzerland	12289	5722	1103	1135	1290	1310	1729
Syria	1	0	0	1	0	0	0
Thailand	316	205	19	12	40	19	21
Trinidad and Tobago	1	0	0	1	0	0	0
Tunisia	2	0	0	0	0	2	0
Turkey	244	43	21	32	12	32	104
Uganda	2	0	0	0	2	0	0
Ukraine	32	16	3	6	2	1	4
United Arab Emirates	115	4	1	2	64	35	9
United Kingdom	9205	4274	885	862	918	1000	1266
United States	87121	35610	7595	7739	9709	11195	15273
Uruguay	7	2	1	1	2	1	0
Uzbekistan	3	3	0	0	0	0	0
Vanuatu	4	2	0	1	0	1	0
Venezuela	32	18	6	5	2	0	1
Vietnam	6	1	0	1	4	0	0
Virgin Islands	1010	321	114	131	151	163	130
Yugoslavia	22	19	0	1	0	2	0
Zimbabwe	4	3	0	0	0	0	1

Table 10 Valid Patents of Domestic Origin (By the end of 2009)

Region	Total	Invention	Utility Model	Design
Total	1193110	180042	558791	454277
Beijing	71076	28774	32616	9686
Tianjin	20515	4919	11542	4054
Hebei	18606	2229	12406	3971
Shanxi	7921	1760	4835	1326
Inner Mongolia	4188	600	2353	1235
Liaoning	31107	5952	21460	3695
Jilin	9619	2233	5740	1646
Heilongjiang	15519	2986	10640	1893
Shanghai	83235	17352	39102	26781
Jiangsu	154887	12625	55349	86913
Zhejiang	170474	11611	62646	96217
Anhui	16608	1842	8820	5946
Fujian	28364	2100	13714	12550
Jiangxi	7050	938	4138	1974
Shandong	71771	7010	46110	18651
Henan	26917	2771	16110	8036
Hubei	25745	4391	15370	5984
Hunan	20640	4308	11141	5191
Guangdong	221131	27483	86576	107072
Guangxi	7421	922	4303	2196
Chongqing	20012	1943	9705	8364
Sichuan vvv	39415	4501	15111	19803
Guizhou	6241	1172	3921	1148
Yunnan	8051	1743	3717	2591

Continued

Region	Total	Invention	Utility Model	Design
Tibet	430	42	64	324
Shaanxi	14828	3686	8703	2439
Gansu	3657	805	2236	616
Qinghai	656	121	264	271
Ningxia	1969	200	813	956
Xinjiang	5022	483	3466	1073
Hainan	1456	254	680	522
Hong Kong	8161	1149	2532	4480
Macao	51	7	29	15
Taiwan	70367	21130	42579	6658
(Guangzhou)	31032	4450	12992	13590
(Changchun)	5709	1563	3287	859
(Wuhan)	16129	3704	9190	3235
(Nanjing)	15898	4926	7671	3301
(Hangzhou)	33100	6246	14286	12568
(Xi'an)	11334	3058	6424	1852
(Jinan)	12739	1810	9172	1757
(Shenyang)	10002	2276	6238	1488
(Chengdu)	28849	3241	9613	15995
(Dalian)	9845	2009	6919	917
(Xiamen)	8704	860	4758	3086
(Harbin)	8019	2170	4673	1176
(Shenzhen)	70043	18951	29094	21998
(Qingdao)	12454	1508	7119	3827
(Ningbo)	36640	1889	13989	20762
(XPCC)	580	47	428	105

Table 11 Valid Patents of Foreign Origin (By the end of 2009)

Countries and Regions	Total	Invention	Utility Model	Design
Total	326913	257994	7013	61906
Andorra	4	4	0	0
Antigua and Barbuda	3	2	0	1
Argentina	17	6	3	8
Armenia	1	1	0	0
Australia	2360	1558	74	728
Austria	1374	1134	33	207
Bahamas	65	36	9	20
Barbados	77	70	0	7
Belarus	6	4	0	2
Belgium	1219	1018	8	193
Belize	16	3	11	2
Bermuda	77	58	10	9
Bosnia and Herzegovina	2	2	0	0
Brazil	290	189	15	86
Brunei	30	12	10	8
Bulgaria	9	4	1	4
Canada	2136	1794	85	257
Cayman Islands	521	131	142	248
Chile	14	8	3	3
Colombia	17	9	1	7
Cook Islands	5	2	0	3
Costa Rica	1	1	0	0
Croatia	16	15	0	1
Cuba	43	43	0	0
Cyprus	43	41	0	2
Czech Republic	286	44	28	214

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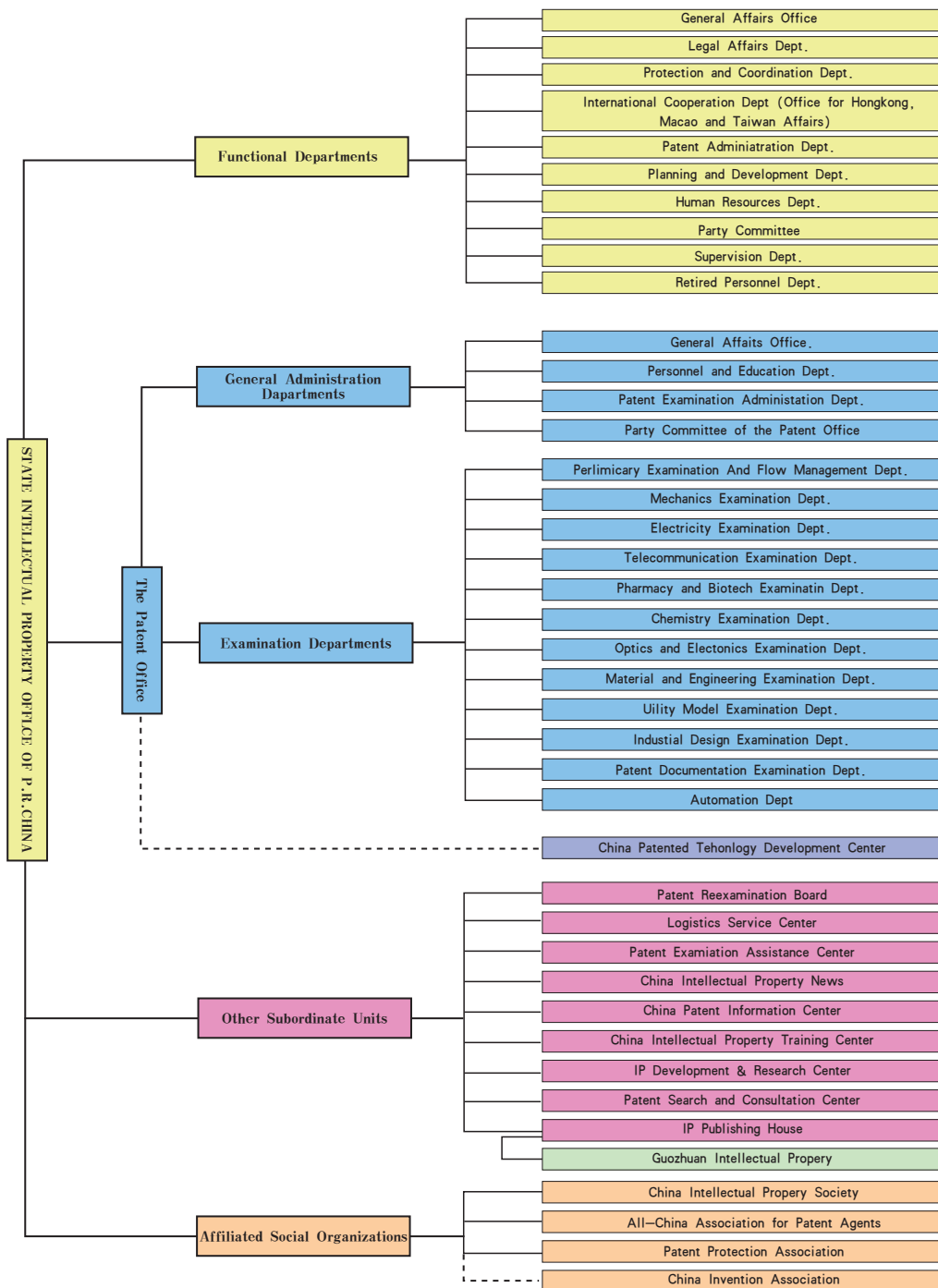
Countries and Regions	Total	Invention	Utility Model	Design
Denmark	1974	1402	69	503
Dominican Republic	1	1	0	0
DPRK	2	2	0	0
Ecuador	1	1	0	0
Egypt	4	1	1	2
El Salvador	1	1	0	0
Estonia	3	2	0	1
Fiji	6	0	5	1
Finland	3658	3014	20	624
France	11979	9267	112	2600
Germany	27055	21357	433	5265
Gibraltar	9	9	0	0
Greece	37	28	1	8
Hungary	99	87	2	10
Iceland	26	26	0	0
India	375	309	2	64
Indonesia	56	7	4	45
Iran	2	1	0	1
Iraq	1	0	1	0
Ireland	279	153	15	111
Israel	689	583	5	101
Italy	5376	3059	118	2199
Japan	142729	114055	2029	26645
Jordan	2	0	2	0
Kazakhstan	6	5	1	0
Kuwait	3	3	0	0
Latvia	3	1	2	0
Lebanon	4	0	4	0
Liechtenstein	492	237	0	255

Continued

Countries and Regions	Total	Invention	Utility Model	Design
Luxemburg	281	216	27	38
Madagascar	2	2	0	0
Malaysia	263	72	31	160
Malta	6	4	0	2
Mauritius	58	17	24	17
Mexico	75	33	1	41
Monaco	39	27	0	12
Mongolia	1	0	1	0
Morocco	6	1	2	3
Netherlands	9296	8106	48	1142
Netherlands Antilles	101	98	0	3
New Zealand	237	158	7	72
Nigeria	4	0	0	4
Norway	669	559	1	109
Pakistan	1	0	0	1
Panama	136	128	3	5
Paraguay	1	0	0	1
Philippine	15	3	5	7
Poland	66	39	3	24
Portugal	48	28	1	19
Republic of Korea	27316	22600	481	4235
Romania	7	6	0	1
Russia	260	195	42	23
Saint Kitts and Nevis	2	2	0	0
Saint Vincent and the Grenadines	1	1	0	0
Samoa	44	1	34	9

Countries and Regions	Total	Invention	Utility Model	Design
San Marino	6	2	3	1
Saudi Arabia	217	33	0	184
Senegal	1	0	0	1
Seychelles	20	12	4	4
Singapore	887	584	73	230
Slovak	34	12	0	22
Slovenia	43	34	0	9
South Africa	234	210	9	15
Spain	977	431	50	496
Sri Lanka	2	0	2	0
Sweden	5646	4792	68	786
Switzerland	8723	6747	86	1890
Thailand	100	22	22	56
Tunisia	2	0	0	2
Turkey	180	46	14	120
Uganda	2	0	0	2
Ukraine	19	16	3	0
United Arab Emirates	37	0	0	37
United Kingdom	5913	4329	134	1450
United States	60588	48312	2406	9870
Uruguay	3	2	1	0
Uzbekistan	1	1	0	0
Vanuatu	1	1	0	0
Venezuela	24	20	0	4
Vietnam	4	0	0	4
Virgin Islands	806	288	168	350
Yugoslavia	3	3	0	0
Zimbabwe	1	1	0	0

2 Organization Chart



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