

Appendix

1. Statistics

Table 1 Applications for Three Kinds of Patents Received from Home and Abroad, 2003–2012

	Total				Domestic				Abroad			
	Total	Invention	Utility Model	Design	Sub-total	Invention	Utility Model	Design	Sub-total	Invention	Utility Model	Design
Accumulated Total	9116949	3039206	2976146	3101597	8091182	2159301	2953285	2978596	1025767	879905	22861	123001
Average Growth Rate (%)	23.4%	22.5%	23.7%	24.1%	25.3%	28.3%	23.8%	24.9%	10.3%	10.3%	18.5%	8.3%
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	693917	245161	181324	267432	586498	153060	179999	253439	107419	92101	1325	13993
	21.1%	16.5%	12.4%	32.8%	24.7%	25.1%	12.5%	34.8%	4.5%	4.5%	-3.2%	5.3%
2008	828328	289838	225586	312904	717144	194579	223945	298620	111184	95259	1641	14284
	19.4%	18.2%	24.4%	17.0%	22.3%	27.1%	24.4%	17.8%	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%
2010	1222286	391177	409836	421273	1109428	293066	407238	409124	112858	98111	2598	12149
	25.1%	24.4%	31.9%	19.9%	26.4%	27.9%	31.9%	20.5%	13.9%	14.8%	36.0%	3.9%
2011	1633347	526412	585467	521468	1504670	415829	581303	507538	128677	110583	4164	13930
	33.6%	34.6%	42.9%	23.8%	35.6%	41.9%	42.7%	24.1%	14.0%	12.7%	60.3%	14.7%
2012	2050649	652777	740290	657582	1912151	535313	734437	642401	138498	117464	5853	15181
	25.5%	24.0%	26.4%	26.1%	27.1%	28.7%	26.3%	26.6%	7.6%	6.2%	40.6%	9.0%



Table 2 Domestic Applications for Three Kinds of Patents According to Service and Non-Service, 2003–2012

	Non-Service	Service				
		Sub-total	Colleges and Universities	Scientific Research Institutions	Factory and Enterprises	Organizations
Accumulated Total	3477458	4613960	527640	197324	3818480	70516
Average Growth Rate (%)	17.2%	32.5%	32.9%	23.0%	33.0%	36.8%
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%
2010	450858	658570	79332	26962	540000	12276
	14.3%	36.3%	28.8%	26.8%	37.0%	108.0%
2011	542326	962344	110136	37910	799435	14863
	20.3%	46.1%	38.8%	40.6%	48.0%	21.1%
2012	618835	1293316	132648	45119	1097220	18329
	14.1%	34.4%	20.4%	19.0%	37.2%	23.3%

Table 3 Three Kinds of Patents Granted for Home and Abroad, 2003–2012

	Total				Domestic				Abroad			
	Total	Invention	Utility Model	Design	Sub-total	Invention	Utility Model	Design	Sub-total	Invention	Utility Model	Design
Accumulated Total	5230701	1012076	2180803	2037822	4639926	555314	2162524	1922088	590775	456762	18279	115734
Average Growth Rate (%)	23.9%	21.7%	26.5%	22.3%	25.6%	32.5%	26.5%	23.1%	12.2%	12.3%	24.5%	9.5%
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%
2010	814825	135110	344472	335243	740620	79767	342256	318597	74205	55343	2216	16646
	40.0%	5.2%	69.0%	34.3%	47.6%	22.0%	69.3%	36.0%	-7.5%	-12.3%	31.2%	8.0%
2011	960513	172113	408110	380290	883861	112347	405086	366428	76652	59766	3024	13862
	17.9%	27.4%	18.5%	13.4%	19.3%	40.8%	18.4%	15.0%	3.3%	8.0%	36.5%	-16.7%
2012	1255138	217105	571175	466858	1163226	143847	566750	452629	91912	73258	4425	14229
	30.7%	26.1%	40.0%	22.8%	31.6%	28.0%	39.9%	23.5%	19.9%	22.6%	46.3%	2.6%

Table 4 Applications for Patents Received from Home, 1985–2012

Region	Accumulated Total	1985–2007	2008	2009	2010	2011	2012
Total	9412188	3291184	717144	877611	1109428	1504670	1912151
Beijing	546113	224813	43508	50236	57296	77955	92305
Tianjin	228707	85382	18230	19624	25973	38489	41009
Hebei	150784	77164	9128	11361	12295	17595	23241
Shanxi	77099	27409	5386	6822	7927	12769	16786
Inner Mongolia	35478	19288	2221	2484	2912	3841	4732
Liaoning	319129	159963	20893	25803	34216	37102	41152
Jilin	84592	49310	5536	5934	6445	8196	9171
Heilongjiang	150203	68904	7974	9014	10269	23432	30610
Shanghai	584436	235267	52835	62241	71196	80215	82682
Jiangsu	1656330	297089	128002	174329	235873	348381	472656
Zhejiang	1046133	300539	89931	108482	120742	177066	249373
Anhui	235227	37860	10409	16386	47128	48556	74888
Fujian	210127	82295	13181	17559	21994	32325	42773
Jiangxi	69706	32298	3746	5224	6307	9673	12458
Shandong	685764	239591	60247	66857	80856	109599	128614
Henan	227341	85995	19090	19589	25149	34076	43442
Hubei	267994	94504	21147	27206	31311	42510	51316
Hunan	210502	92932	14016	15948	22381	29516	35709
Guangdong	1335381	527132	103883	125673	152907	196272	229514
Guangxi	67272	32278	3884	4277	5117	8106	13610
Chongqing	160107	44513	8324	13482	22825	32039	38924
Sichuan	318357	104699	24335	33047	40230	49734	66312
Guizhou	51133	20420	2943	3709	4414	8351	11296
Yunnan	59657	28880	4089	4633	5645	7150	9260
Tibet	1680	540	350	195	162	263	170

Continued

Region	Accumulated Total	1985-2007	2008	2009	2010	2011	2012
Shaanxi	178781	52529	11898	15570	22949	32227	43608
Gansu	37263	15303	2178	2676	3558	5287	8261
Qinghai	6305	3197	431	499	602	732	844
Ningxia	12375	6208	1087	1277	739	1079	1985
Xinjiang	40423	19799	2412	2872	3560	4736	7044
Hainan	12578	6333	873	1040	1019	1489	1824
Hong Kong	37847	23631	2486	2411	2980	3171	3168
Macao	438	245	22	38	32	36	65
Taiwan	306926	194874	22469	21113	22419	22702	23349
(Guangzhou)	198766	85957	13968	16514	20801	28087	33439
(Changchun)	40462	17668	3454	3550	4238	5391	6161
(Wuhan)	134356	47457	11270	14600	15045	21879	24105
(Nanjing)	151831	32731	11692	14221	19275	31130	42782
(Hangzhou)	216902	47839	18513	26074	29801	40786	53889
(Xi'an)	139290	32749	9584	12772	19485	27717	36983
(Jinan)	118399	35873	11572	13701	15543	18581	23129
(Shenyang)	104855	56037	6254	7708	10051	11906	12899
(Chengdu)	210619	47694	19167	26130	31261	37466	48901
(Dalian)	111028	39701	8095	11340	17442	16279	18171
(Xiamen)	48786	16734	3336	4914	5525	8315	9962
(Harbin)	79565	32509	4951	5525	6526	13013	17041
(Shenzhen)	398742	134093	36249	42279	49430	63522	73169
(Qingdao)	115056	40617	8369	8754	10735	19577	27004
(Ningbo)	225992	39533	16156	22686	26399	47571	73647
(Xinjiang Production and Construction Corps)	2344	0	320	314	430	571	709

Table 5 Applications for Three Kinds of Patents Received from Home in 2012

Region	Total	Invention	Utility Model	Design
Total	1912151	535313	734437	642401
Beijing	92305	52720	32609	6976
Tianjin	41009	13587	22074	5348
Hebei	23241	6108	13635	3498
Shanxi	16786	5417	6735	4634
Inner Mongolia	4732	1492	2566	674
Liaoning	41152	19740	17530	3882
Jilin	9171	3913	4213	1045
Heilongjiang	30610	7068	13359	10183
Shanghai	82682	37139	33166	12377
Jiangsu	472656	110091	107091	255474
Zhejiang	249373	33265	108599	107509
Anhui	74888	19391	36641	18856
Fujian	42773	8492	22081	12200
Jiangxi	12458	3023	6132	3303
Shandong	128614	40381	69170	19063
Henan	43442	10910	23594	8938
Hubei	51316	14640	24078	12598
Hunan	35709	9974	16208	9527
Guangdong	229514	60448	78731	90335
Guangxi	13610	6511	5017	2082
Chongqing	38924	11402	19738	7784
Sichuan	66312	16368	26732	23212
Guizhou	11296	3103	4111	4082
Yunnan	9260	3324	4482	1454
Tibet	170	81	61	28

Continued

Region	Total	Invention	Utility Model	Design
Shaanxi	43608	17043	16392	10173
Gansu	8261	3265	3777	1219
Qinghai	844	298	283	263
Ningxia	1985	846	910	229
Xinjiang	7044	1679	3375	1990
Hainan	1824	865	747	212
Hong Kong	3168	948	861	1359
Macao	65	33	21	11
Taiwan	23349	11748	9718	1883
(Guangzhou)	33439	9822	11833	11784
(Changchun)	6161	2941	2665	555
(Wuhan)	24105	8071	13547	2487
(Nanjing)	42782	16409	11448	14925
(Hangzhou)	53889	11974	25357	16558
(Xi'an)	36983	15029	13717	8237
(Jinan)	23129	8617	13121	1391
(Shenyang)	12899	5709	5066	2124
(Chengdu)	48901	11957	18931	18013
(Dalian)	18171	11149	6420	602
(Xiamen)	9962	2513	5261	2188
(Harbin)	17041	5855	6509	4677
(Shenzhen)	73169	31087	23729	18353
(Qingdao)	27004	12087	10157	4760
(Ningbo)	73647	7387	28558	37702
(Xinjiang Production and Construction Corps)	709	263	406	40

Table 6 Applications for Patents Received from Abroad, 1985–2012

Countries and Regions	Accumulated Total	1985–2007	2008	2009	2010	2011	2012
Total	1304289	713997	111184	99075	112858	128677	138498
Andorra	13	6	0	4	1	1	1
UAE	173	120	3	12	7	20	11
Afghanistan	11	0	0	2	6	2	1
Antigua and Barbuda	11	6	0	1	1	3	0
Anguilla	3	0	1	1	0	0	1
Armenia	5	2	1	0	1	1	0
Netherlands Antilles	308	234	28	16	16	6	8
Argentina	120	67	15	5	12	10	11
Austria	5662	2796	447	413	550	697	759
Australia	10304	6074	864	720	822	867	957
Aruba	1	1	0	0	0	0	0
Azerbaijan	5	1	0	0	1	1	2
Barbados	620	195	57	79	84	106	99
Bengal	3	2	0	0	1	0	0
Belgium	6064	3014	561	516	611	669	693
Bulgaria	88	65	9	1	5	4	4
Bahrain Island	3	3	0	0	0	0	0
Burundi	1	0	1	0	0	0	0
Benin	1	0	0	0	0	1	0
Bermuda	816	255	112	116	83	121	129
Brunei Darussalam	83	30	4	15	20	6	8
Bolivia	1	0	1	0	0	0	0
Brazil	1383	612	122	121	166	203	159
Bahamas	226	141	11	26	18	17	13
Belarus	28	21	1	6	0	0	0
Belize	44	12	7	18	1	2	4
Canada	11575	5890	1016	989	1137	1191	1352
Central-African	2	2	0	0	0	0	0
Switzerland	34914	19356	2830	2823	3067	3293	3545
Cook Islands	16	5	0	3	2	6	0
Chile	114	42	17	5	12	17	21

Continued

Countries and Regions	Accumulated Total	1985–2007	2008	2009	2010	2011	2012
Cameroon	2	2	0	0	0	0	0
Columbia	57	18	8	8	6	7	10
Costa Rica	3	3	0	0	0	0	0
Czechoslovakia	72	72	0	0	0	0	0
Serbia and Montenegro	2	2	0	0	0	0	0
Cuba	145	94	23	7	7	6	8
Cyprus	249	101	32	17	29	34	36
Czech	779	322	96	67	68	72	154
Germany	120526	61742	10145	9694	11297	13096	14552
Denmark	8322	4140	765	739	857	937	884
Commonwealth of Dominica	3	3	0	0	0	0	0
Dominican Republic	2	2	0	0	0	0	0
Algeria	6	2	0	1	1	0	2
Ecuador	12	6	0	1	0	3	2
Estonia	42	10	3	6	7	5	11
Egypt	49	23	2	1	1	7	15
Western Sahara	1	1	0	0	0	0	0
Spain	4823	2363	491	416	480	525	548
Finland	13134	7338	1201	1049	1215	1076	1255
Fiji	10	10	0	0	0	0	0
Falkland Islands (Malvinas Islands)	1	1	0	0	0	0	0
France	48150	26975	3854	3624	3994	4575	5128
Britain	27095	16316	2233	1911	2087	2275	2273
Grenada	1	0	0	1	0	0	0
Georgia	9	5	0	3	0	0	1
Gibraltar	22	12	0	2	0	3	5
Greece	235	131	24	16	15	23	26
Guatemala	1	0	0	1	0	0	0
Hong Kong, China	0	0	0	0	0	0	0
Honduras	1	0	0	1	0	0	0
Croatia	129	106	6	6	3	3	5
Haiti	1	1	0	0	0	0	0

Continued

Countries and Regions	Accumulated Total	1985–2007	2008	2009	2010	2011	2012
Hungary	858	648	43	40	36	55	36
Indonesia	210	118	8	23	19	26	16
Ireland	1555	670	168	171	157	176	213
Israel	4884	2223	464	366	511	634	686
India	2159	1135	197	146	189	228	264
Iraq	5	1	0	0	1	1	2
Iran	19	3	5	2	6	3	0
Iceland	172	70	24	28	25	17	8
Italy	20039	11393	1761	1423	1627	1815	2020
Jersey Island	7	7	0	0	0	0	0
Jamaica	3	0	0	0	0	0	3
Jordan	19	12	2	1	1	1	2
Japan	467669	261733	38408	34381	38241	45228	49678
Kenya	4	0	0	0	0	2	2
Kyrgyzstan	5	2	1	0	1	0	1
Saint Kitts and Nevis	4	2	1	0	0	0	1
DPRK	22	14	3	1	1	0	3
Republic of Korea	104440	58572	9320	7113	8782	9860	10793
Kuwait	14	9	0	1	1	2	1
Cayman Islands	2864	500	184	331	353	691	805
Kazakhstan	28	12	3	3	4	4	2
Lebanon	18	8	0	0	1	5	4
Liechtenstein	1525	834	207	111	83	155	135
Sri Lanka	49	47	0	0	0	0	2
Liberia	3	3	0	0	0	0	0
Lesotho	1	1	0	0	0	0	0
Lithuania	9	3	0	0	2	1	3
Luxembourg	1317	578	100	101	136	215	187
Latvia	52	14	6	7	9	11	5
Morocco	19	12	1	0	2	2	2
Monaco	126	82	19	4	7	7	7
Moldova	3	1	0	0	1	0	1
Madagascar	2	2	0	0	0	0	0

Continued

Countries and Regions	Accumulated Total	1985-2007	2008	2009	2010	2011	2012
Marshall Islands	7	1	1	0	2	2	1
Mali	27	7	0	0	3	10	7
Mongolia	4	0	1	0	0	3	0
Malta	81	21	3	21	16	13	7
Mauritius	125	62	25	15	9	10	4
Maldives	2	2	0	0	0	0	0
Malawi	2	2	0	0	0	0	0
Mexico	390	142	67	23	54	53	51
Malaysia	1170	522	129	114	129	141	135
Namibia	2	1	1	0	0	0	0
Niger	1	1	0	0	0	0	0
Nigeria	8	5	0	1	2	0	0
Netherlands	42279	25446	3624	3372	3329	3473	3035
Norway	2800	1575	216	211	261	275	262
Nepal	3	0	0	0	0	0	3
New Zealand	1294	691	141	92	127	111	132
Oman	3	3	0	0	0	0	0
Panama	299	248	16	11	6	10	8
Peru	11	3	0	0	2	3	3
Philippines	83	52	8	8	5	5	5
Pakistan	13	6	3	1	0	2	1
Poland	397	167	26	24	50	58	72
Puerto Rico	11	2	4	0	0	0	5
Portugal	235	105	27	21	32	28	22
Paraguay	1	0	1	0	0	0	0
Qatar	2	0	0	0	0	0	2
Romania	32	17	2	1	2	6	4
Serbia	5	0	0	0	4	1	0
Russian Federation	1936	1207	107	122	147	170	183
Saudi Arabia	548	330	71	34	38	36	39
Seychelles	89	11	8	12	6	9	43
Sudan	1	1	0	0	0	0	0
Sweden	21156	11297	2068	1844	1996	1963	1988
Singapore	4255	1855	363	304	437	645	651

Continued

Countries and Regions	Accumulated Total	1985–2007	2008	2009	2010	2011	2012
Slovenia	259	114	29	22	37	38	19
Slovakia	76	30	13	7	6	11	9
San Marino	19	8	6	1	1	2	1
Senegal	2	1	1	0	0	0	0
El Salvador	2	1	0	0	0	1	0
Syria	3	1	0	2	0	0	0
Swaziland	1	1	0	0	0	0	0
Turks and Caicos Islands	1	0	0	0	0	0	1
Chad	1	0	0	0	0	1	0
Thailand	568	417	27	36	31	25	32
Tunisia	10	4	1	3	0	1	1
Turkey	707	241	114	70	77	104	101
Trinidad and Tobago	5	2	0	1	2	0	0
Taiwan, China	0	0	0	0	0	0	0
Ukraine	98	63	5	3	6	10	11
Uganda	2	2	0	0	0	0	0
United States	316156	169656	27656	24629	28636	32023	33556
Uruguay	22	13	1	0	3	5	0
Uzbekistan	6	5	0	0	0	1	0
Vatican	2	2	0	0	0	0	0
Saint Vincent and the Grenadines	5	2	0	0	1	1	1
Venezuela	54	40	1	2	4	1	6
Virgin Islands	3000	1339	367	241	381	286	386
Vietnam	42	10	2	1	4	7	18
Vanuatu	12	12	0	0	0	0	0
Samoa	182	75	29	8	26	20	24
Yemen	4	0	0	3	0	1	0
Yugoslavia	39	37	2	0	0	0	0
South Africa	1143	667	102	99	99	82	94
Zambia	2	2	0	0	0	0	0
Zimbabwe	8	8	0	0	0	0	0

Table 7 Patents Granted for Domestic Applications, 1985–2012

Region	Accumulated Total	1985–2007	2008	2009	2010	2011	2012
Total	5431559	1789660	352406	501786	740620	883861	1163226
Beijing	279944	114366	17747	22921	33511	40888	50511
Tianjin	93786	34822	6790	7404	11006	13982	19782
Hebei	95633	46803	5496	6839	10061	11119	15315
Shanxi	38733	16305	2279	3227	4752	4974	7196
Inner Mongolia	21200	10936	1328	1494	2096	2262	3084
Liaoning	160929	80574	10665	12198	17093	19176	21223
Jilin	47156	25704	2984	3275	4343	4920	5930
Heilongjiang	86357	37420	4574	5079	6780	12236	20268
Shanghai	324520	117456	24468	34913	48215	47960	51508
Jiangsu	877142	137278	44438	87286	138382	199814	269944
Zhejiang	743987	177793	52953	79945	114643	130190	188463
Anhui	126985	22031	4346	8594	16012	32681	43321
Fujian	141241	51605	7937	11282	18063	21857	30497
Jiangxi	39849	16755	2295	2915	4349	5550	7985
Shandong	369392	122361	26688	34513	51490	58844	75496
Henan	127779	44632	9133	11425	16539	19259	26791
Hubei	121151	40548	8374	11357	17362	19035	24475
Hunan	115337	47746	6133	8309	13873	16064	23212
Guangdong	856422	309416	62031	83621	119343	128413	153598
Guangxi	36637	17758	2228	2702	3647	4402	5900
Chongqing	88382	28092	4820	7501	12080	15525	20364
Sichuan	195022	58645	13369	20132	32212	28446	42218
Guizhou	27031	10688	1728	2084	3086	3386	6059
Yunnan	36728	17909	2021	2923	3823	4199	5853
Tibet	1110	326	93	292	124	142	133

Continued

Region	Accumulated Total	1985-2007	2008	2009	2010	2011	2012
Shaanxi	74896	27813	4392	6087	10034	11662	14908
Gansu	18350	8116	1047	1274	1868	2383	3662
Qinghai	3550	1625	228	368	264	538	527
Ningxia	7364	3310	606	910	1081	613	844
Xinjiang	23105	11103	1493	1866	2562	2642	3439
Hainan	6898	3355	341	630	714	765	1093
Hong Kong	30227	18277	1892	2250	2601	2588	2619
Macao	250	133	23	15	34	19	26
Taiwan	214466	127959	17466	16155	18577	17327	16982
(Guangzhou)	126383	51760	8078	11082	15079	18339	22045
(Changchun)	21220	7823	1814	1931	2622	3146	3884
(Wuhan)	68432	20808	5329	6853	10165	11588	13689
(Nanjing)	66346	14737	4816	6640	9150	12419	18584
(Hangzhou)	145375	24069	9706	15465	26506	29075	40554
(Xi'an)	53118	15954	3285	4706	8037	9274	11862
(Jinan)	60986	14826	4567	6389	9595	11345	14264
(Shenyang)	53723	29609	3105	3636	5165	5456	6752
(Chengdu)	130620	24187	10342	16349	25981	21228	32533
(Dalian)	44261	14502	3507	4447	6199	8115	7491
(Xiamen)	34418	11098	2330	2986	5040	5485	7479
(Harbin)	41382	16168	2400	2792	3974	6260	9788
(Shenzhen)	227217	59413	18805	25894	34951	39363	48791
(Qingdao)	58553	22208	3311	4432	6796	9085	12721
(Ningbo)	172655	24494	9882	15824	25971	37309	59175
(Xinjiang Production and Construction Corps)	1348	0	153	211	240	307	437

Table 8 Three Kinds of Patents Granted for Domentic Applications in 2012

Region	Total	Invention	Utility Model	Design
Total	1163226	143847	566750	452629
Beijing	50511	20140	24672	5699
Tianjin	19782	3326	13677	2779
Hebei	15315	1933	10795	2587
Shanxi	7196	1297	4689	1210
Inner Mongolia	3084	569	1894	621
Liaoning	21223	3973	14852	2398
Jilin	5930	1583	3472	875
Heilongjiang	20268	2418	9689	8161
Shanghai	51508	11379	29543	10586
Jiangsu	269944	16242	77944	175758
Zhejiang	188463	11571	84826	92066
Anhui	43321	3066	27191	13064
Fujian	30497	2977	17708	9812
Jiangxi	7985	892	4734	2359
Shandong	75496	7453	59084	8959
Henan	26791	3182	18680	4929
Hubei	24475	4050	15876	4549
Hunan	23212	3353	13274	6585
Guangdong	153598	22153	65946	65499
Guangxi	5900	902	3422	1576
Chongqing	20364	2426	13432	4506
Sichuan	42218	4460	19665	18093
Guizhou	6059	635	3155	2269
Yunnan	5853	1301	3456	1096

Continued

Region	Total	Invention	Utility Model	Design
Tibet	133	57	41	35
Shaanxi	14908	4018	9158	1732
Gansu	3662	704	2344	614
Qinghai	527	101	218	208
Ningxia	844	140	547	157
Xinjiang	3439	456	2382	601
Hainan	1093	396	499	198
Hong Kong	2619	476	818	1325
Macao	26	7	16	3
Taiwan	16982	6211	9051	1720
(Guangzhou)	22045	4026	9716	8303
(Changchun)	3884	1227	2187	470
(Wuhan)	13689	3233	9100	1356
(Nanjing)	18584	4408	8176	6000
(Hangzhou)	40554	5513	20296	14745
(Xi'an)	11862	3475	7325	1062
(Jinan)	14264	2051	11092	1121
(Shenyang)	6752	1595	3925	1232
(Chengdu)	32533	3112	14091	15330
(Dalian)	7491	1407	5689	395
(Xiamen)	7479	919	4576	1984
(Harbin)	9788	1997	4364	3427
(Shenzhen)	48791	13139	20746	14906
(Qingdao)	12721	1526	9194	2001
(Ningbo)	59175	2065	21407	35703
(Xinjiang Production and Construction Corps)	437	64	341	32

Table 9 Patents Granted for Foreign Applications, 1985–2012

Countires and Regions	Accumulated Total	1985–2007	2008	2009	2010	2011	2012
Total	681451	298900	59576	80206	74205	76652	91912
Andorra	4	1	1	1	1	0	0
UAE	133	71	35	9	4	4	10
Afghanistan	9	0	0	0	7	2	0
Antigua and Barbuda	5	0	0	2	3	0	0
Anguilla	1	0	0	0	0	0	1
Armenia	2	1	0	0	1	0	0
Netherlands Antilles	194	122	21	19	11	11	10
Argentina	38	12	2	9	6	4	5
Austria	2868	1361	216	294	274	342	381
Australia	5357	2574	451	577	604	481	670
Azerbaijan	1	0	0	0	0	1	0
Barbados	204	22	12	20	44	39	67
Bengal	2	2	0	0	0	0	0
Belgium	2906	1209	215	258	292	395	537
Bulgaria	42	26	2	4	4	2	4
Bahrain Island	1	1	0	0	0	0	0
Benin	1	0	0	0	0	0	1
Bermuda	360	66	25	17	57	83	112
Brunei Darussalam	65	14	2	12	19	10	8
Brazil	669	265	39	80	94	77	114
Bahamas	126	67	10	11	19	10	9
Belarus	14	9	4	1	0	0	0
Belize	28	1	1	14	6	4	2
Canada	5209	2001	443	599	677	677	812
Central-African	2	2	0	0	0	0	0
Switzerland	18801	9250	1310	1729	1932	2041	2539
Cook Islands	18	4	2	1	5	6	0
Chile	27	10	2	6	3	4	2
Cameroon	1	0	0	0	0	0	1

Continued

Countires and Regions	Accumulated Total	1985-2007	2008	2009	2010	2011	2012
Columbia	24	4	8	8	0	3	1
Costa Rica	1	1	0	0	0	0	0
Czechoslovakia	32	32	0	0	0	0	0
Cuba	71	36	8	7	4	5	11
Cyprus	125	33	5	16	12	32	27
Czech	595	215	68	81	62	59	110
Germany	59095	25457	4729	6658	6451	7098	8702
Denmark	4149	1910	308	423	466	468	574
Dominican Republic	4	2	0	0	1	0	1
Algeria	1	0	0	0	1	0	0
Ecuador	5	1	0	0	0	1	3
Estonia	15	4	0	2	4	2	3
Egypt	29	6	1	1	1	6	14
Spain	2444	1066	254	232	297	307	288
Finland	6992	3211	559	852	752	679	939
Fiji	9	0	9	0	0	0	0
Falkland Islands (Malvinas Islands)	1	1	0	0	0	0	0
France	25536	12120	1849	3004	2690	2528	3345
Gabon	2	2	0	0	0	0	0
Britain	13211	6939	1000	1266	1164	1271	1571
Georgia	4	1	0	0	3	0	0
Gibraltar	11	8	1	1	0	1	0
Greece	107	33	12	13	18	16	15
Honduras	1	0	0	0	1	0	0
Croatia	63	45	5	3	3	3	4
Haiti	1	0	1	0	0	0	0
Hungary	337	238	23	14	15	23	24
Indonesia	149	79	13	5	23	17	12
Ireland	647	231	48	56	78	100	134
Israel	1738	624	185	188	168	228	345
India	872	389	105	102	77	86	113

Continued

Countires and Regions	Accumulated Total	1985-2007	2008	2009	2010	2011	2012
Iraq	2	0	0	0	1	0	1
Iran	8	0	1	1	2	3	1
Iceland	74	20	7	6	10	15	16
Italy	11763	5282	1003	1291	1303	1342	1542
Jersey Island	5	3	1	0	0	0	1
Jordan	11	4	0	3	1	0	3
Japan	277043	121313	26370	33804	29516	30637	35403
Kenya	1	0	0	0	0	1	0
Kyrgyzstan	3	0	1	0	1	0	1
DPRK	10	3	1	1	1	3	1
Republic of Korea	56208	21964	5605	7950	7117	6631	6941
Kuwait	8	6	0	1	1	0	0
Cayman Islands	905	158	59	81	161	223	223
Kazakhstan	19	5	3	0	2	2	7
Lebanon	10	5	1	0	0	2	2
Liechtenstein	955	464	59	179	86	88	79
Sri Lanka	29	27	1	0	0	1	0
Liberia	3	3	0	0	0	0	0
Lesotho	1	1	0	0	0	0	0
Lithuania	5	2	0	0	0	0	3
Luxembourg	708	280	48	69	74	62	175
Latvia	22	7	1	1	1	7	5
Morocco	13	7	1	0	0	4	1
Monaco	76	45	5	15	2	4	5
Madagascar	2	2	0	0	0	0	0
Marshall Islands	2	0	0	0	0	1	1
Mali	4	1	0	0	0	1	2
Mongolia	5	4	0	1	0	0	0
Malta	31	7	1	1	4	7	11
Mauritius	105	34	13	11	19	8	20
Maldives	1	1	0	0	0	0	0
Mexico	190	38	13	45	14	31	49

Continued

Countires and Regions	Accumulated Total	1985-2007	2008	2009	2010	2011	2012
Malaysia	705	245	62	102	124	76	96
Namibia	1	0	0	0	1	0	0
Nigeria	5	4	0	0	1	0	0
Netherlands	20271	9241	1662	2523	2177	2228	2440
Norway	1399	674	110	163	129	146	177
Nepal	2	0	0	0	0	0	2
New Zealand	606	233	55	92	86	61	79
Oman	1	0	0	0	1	0	0
Panama	236	123	31	17	20	19	26
Peru	1	1	0	0	0	0	0
Philippines	50	24	3	9	8	5	1
Pakistan	6	5	0	1	0	0	0
Poland	205	72	16	22	16	36	43
Puerto Rico	3	0	0	2	0	0	1
Portugal	97	25	16	14	6	17	19
Paraguay	1	0	0	1	0	0	0
Romania	17	6	2	0	3	1	5
Serbia	2	0	0	0	1	1	0
Russian Federation	814	387	55	84	89	86	113
Saudi Arabia	393	236	41	51	20	19	26
Seychelles	26	2	1	6	8	2	7
Sweden	11287	5249	724	1189	1186	1250	1689
Singapore	2141	713	140	234	345	306	403
Slovenia	119	45	8	12	18	18	18
Slovakia	49	12	8	13	3	5	8
San Marino	8	4	0	4	0	0	0
Senegal	1	0	0	1	0	0	0
El Salvador	1	1	0	0	0	0	0
Syria	3	1	0	0	2	0	0
Swaziland	1	1	0	0	0	0	0
Thailand	390	276	19	21	41	17	16
Tunisia	3	0	2	0	1	0	0

Continued

Countires and Regions	Accumulated Total	1985–2007	2008	2009	2010	2011	2012
Turkey	455	108	32	104	74	62	75
Trinidad and Tobago	4	1	0	0	0	0	3
Ukraine	44	27	1	4	6	2	4
Uganda	2	2	0	0	0	0	0
United States	138041	60653	11195	15273	14938	15822	20160
Uruguay	10	6	1	0	1	0	2
Uzbekistan	4	3	0	0	0	0	1
Saint Vincent and the Grenadines	3	1	0	0	0	0	2
Venezuela	37	31	0	1	1	2	2
Virgin Islands	1762	717	163	130	179	207	366
Vietnam	22	6	0	0	0	4	12
Vanuatu	5	3	1	0	0	1	0
Samoa	98	40	8	18	4	10	18
Yemen	4	0	0	0	3	1	0
Yugoslavia	23	20	2	0	0	1	0
South Africa	508	234	40	59	43	48	84
Zimbabwe	4	3	0	1	0	0	0

Table 10 Valid Patents of Domestic Origin (By the end of 2012)

Region	Total	Invention	Utility Model	Design
Total	3005023	473187	1486839	1044997
Beijing	170516	69554	79520	21442
Tianjin	52338	10137	33948	8253
Hebei	43358	5838	29262	8258
Shanxi	19561	4383	12309	2869
Inner Mongolia	8996	1650	5106	2240
Liaoning	64019	13424	43006	7589
Jilin	18818	4809	10997	3012
Heilongjiang	44570	7403	23254	13913
Shanghai	173513	40309	92595	40609
Jiangsu	537180	45238	190361	301581
Zhejiang	449957	35571	202927	211459
Anhui	88326	7682	54085	26559
Fujian	81267	7764	46500	27003
Jiangxi	19663	2651	11411	5601
Shandong	177511	21943	126688	28880
Henan	67824	8683	46008	13133
Hubei	64719	12089	41053	11577
Hunan	59428	11271	33409	14748
Guangdong	490159	78902	206603	204654
Guangxi	16822	2561	9684	4577
Chongqing	53383	6833	30099	16451
Sichuan	94938	13003	44648	37287
Guizhou	15931	2641	8994	4296
Yunnan	17483	4107	9232	4144
Tibet	462	136	93	233
Shaanxi	41447	11316	25249	4882
Gansu	9260	2109	5785	1366
Qinghai	1502	293	577	632
Ningxia	2493	450	1578	465

Continued

Region	Total	Invention	Utility Model	Design
Xinjiang	10571	1306	7456	1809
Hainan	3108	1095	1219	794
Hong Kong	11326	2061	3441	5824
Macao	104	26	55	23
Taiwan	94470	35949	49687	8834
(Guangzhou)	69225	12506	30193	26526
(Changchun)	12077	3536	6822	1719
(Wuhan)	39205	9879	24367	4959
(Nanjing)	46604	13827	21800	10977
(Hangzhou)	97592	17489	47984	32119
(Xi'an)	32816	9686	19852	3278
(Jinan)	33102	5779	24039	3284
(Shenyang)	20779	5315	12069	3395
(Chengdu)	67124	9222	29584	28318
(Dalian)	20942	4607	14634	1701
(Xiamen)	22495	2627	13196	6672
(Harbin)	22755	5978	10482	6295
(Shenzhen)	167737	52768	69695	45274
(Qingdao)	33391	4603	21757	7031
(Ningbo)	130500	6460	49078	74962
(Xinjiang Production and Construction Corps)	1107	150	866	91

Table 11 Valid Patents of Foreign Origin (By the end of 2012)

Countries and Regions	Total	Invention	Utility Model	Design
Total	503538	402198	14205	87135
Andorra	6	5	0	1
UAE	42	19	3	20
Afghanistan	8	0	0	8
Antigua and Barbuda	6	3	0	3
Anguilla	2	1	1	0
Armenia	2	1	0	1
Netherlands Antilles	87	84	0	3
Argentina	24	15	4	5
Austria	2156	1731	72	353
Australia	3513	2159	143	1211
Azerbaijan	1	1	0	0
Bosnia and Herzegovina	1	1	0	0
Barbados	233	210	2	21
Belgium	2218	1922	30	266
Bulgaria	14	12	0	2
Bahrain Island	3	3	0	0
Benin	1	0	0	1
Bermuda	348	242	56	50
Brunei Darussalam	66	23	21	22
Brazil	501	279	34	188
Bahamas	83	49	8	26
Belize	19	6	11	2
Canada	4031	3115	156	760
Switzerland	13468	10167	409	2892
Cook Islands	27	6	0	21
Chile	21	15	3	3
Cameroon	1	1	0	0
Columbia	18	9	0	9
Costa Rica	1	1	0	0
Cuba	60	60	0	0

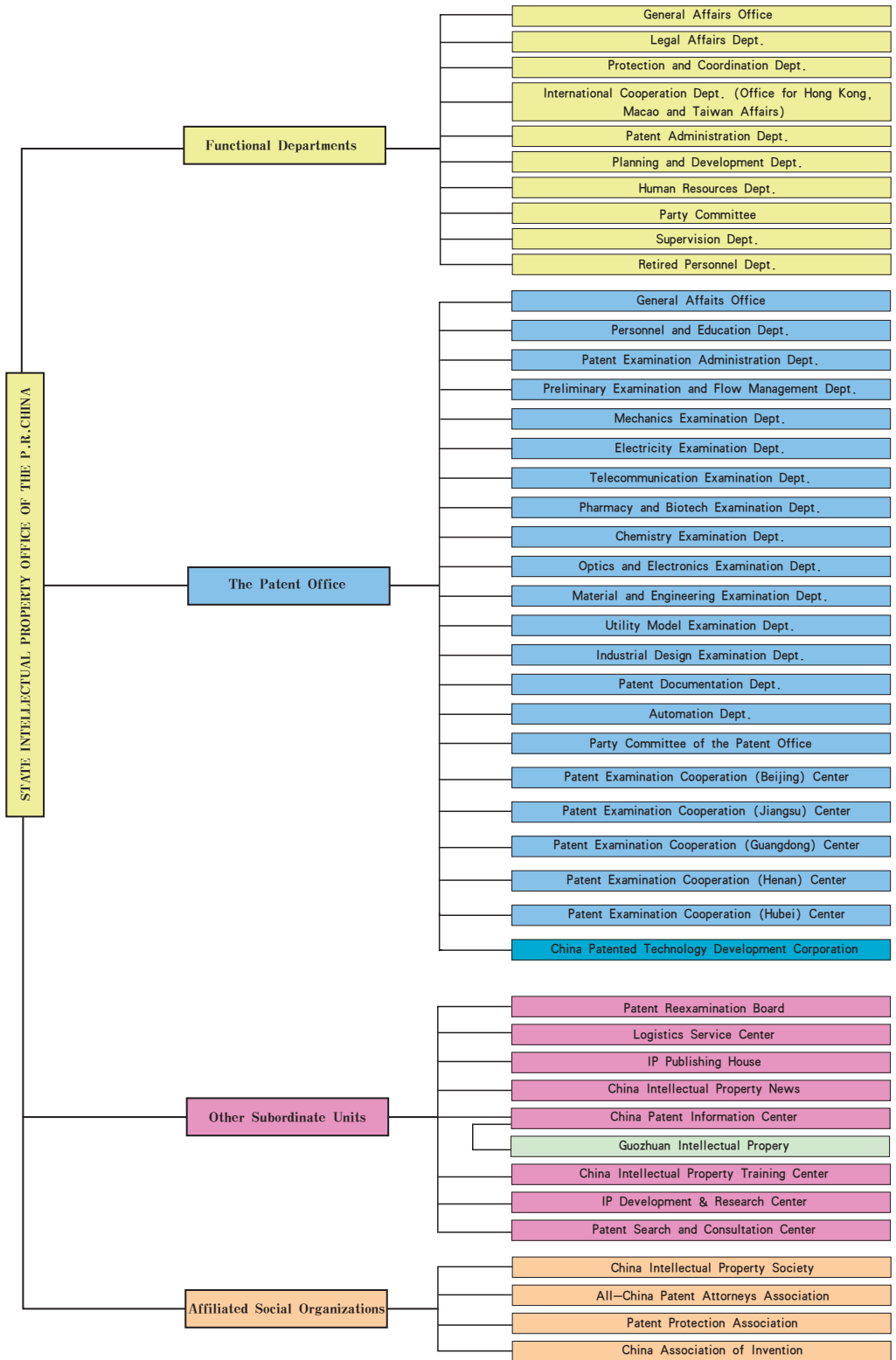
Continued

Countries and Regions	Total	Invention	Utility Model	Design
Cyprus	65	45	1	19
Czech	432	84	27	321
Germany	44682	34833	1247	8602
Denmark	3015	2164	71	780
Dominican Republic	3	3	0	0
Algeria	0	0	0	0
Ecuador	5	2	0	3
Estonia	8	6	0	2
Egypt	24	2	2	20
Spain	1514	694	76	744
Finland	5030	4120	113	797
France	18164	14229	416	3519
Britain	8005	5888	228	1889
Georgia	3	0	0	3
Gibraltar	12	11	0	1
Greece	78	52	1	25
Croatia	15	13	0	2
Hungary	148	119	12	17
Indonesia	59	10	5	44
Ireland	481	383	14	84
Israel	1252	937	86	229
India	570	462	12	96
Iraq	3	0	1	2
Iran	6	2	3	1
Iceland	65	65	0	0
Italy	8004	4788	205	3011
Jersey Island	3	3	0	0
Jordan	3	0	1	2
Japan	213307	175903	4228	33176
Kenya	1	0	0	1
Kyrgyzstan	2	2	0	0
Saint Kitts and Nevis	1	1	0	0

Countries and Regions	Total	Invention	Utility Model	Design
DPRK	5	4	1	0
Republic of Korea	41009	33559	824	6626
Kuwait	3	2	0	1
Cayman Islands	1517	935	219	363
Kazakhstan	15	9	6	0
Lebanon	8	0	5	3
Liechtenstein	553	327	1	225
Sri Lanka	2	1	1	0
Lithuania	3	1	0	2
Luxembourg	714	532	57	125
Latvia	20	12	2	6
Morocco	7	5	0	2
Monaco	50	36	0	14
Madagascar	2	2	0	0
Marshall Islands	1	1	0	0
Mali	2	0	2	0
Malta	28	28	0	0
Mauritius	72	46	12	14
Mexico	211	126	5	80
Malaysia	499	162	61	276
Namibia	1	1	0	0
Nigeria	3	0	0	3
Netherlands	13090	11062	137	1891
Norway	921	762	7	152
Nepal	2	0	1	1
New Zealand	395	273	14	108
Oman	1	1	0	0
Panama	184	164	4	16
Philippines	24	8	3	13
Pakistan	1	0	0	1
Poland	137	47	4	86
Puerto Rico	3	0	0	3

Countries and Regions	Total	Invention	Utility Model	Design
Portugal	73	49	1	23
Romania	12	5	1	6
Serbia	1	1	0	0
Russian Federation	451	287	84	80
Saudi Arabia	270	83	3	184
Seychelles	33	23	3	7
Sweden	8745	7354	169	1222
Singapore	1947	1205	145	597
Slovenia	86	69	1	16
Slovakia	40	12	3	25
San Marino	4	1	0	3
Senegal	1	0	0	1
El Salvador	1	1	0	0
Syria	2	0	0	2
Thailand	144	40	21	83
Tunisia	1	1	0	0
Tonga	0	0	0	0
Turkey	355	123	27	205
Trinidad and Tobago	3	3	0	0
Ukraine	24	18	5	1
Uganda	2	0	0	2
United States	97921	78902	4329	14690
Uruguay	5	4	0	1
Uzbekistan	2	1	1	0
Saint Vincent and the Grenadines	3	3	0	0
Venezuela	17	16	0	1
Virgin Islands	1483	571	263	649
Vietnam	17	2	3	12
Vanuatu	1	1	0	0
Samoa	118	29	64	25
Yemen	4	0	0	4
Yugoslavia	2	2	0	0
South Africa	365	324	14	27
Zimbabwe	1	1	0	0

2. Organization Chart



Chief Editor: Li Yuguang
Deputy Chief Editor: Wu Kai Liu Jian
Executive Editor: Li Yanmei
Editor: Duan Hongmei Shi Longhui
Compiling Editor: Song Qiao
Contributing Editor: Bai Qing Fu Mingxing He Xuwen Jing Guangwei Li Fenlian
Li Long Ma Huan Ma Ning Ma Yongfu Wang Fang
Wang Yanhong Wei Jian Wu Yun Xu Xiaomin Xu Xiaoxin
Yang Fei Yang Huimin Yang Niya Zhang Li Zhao Yong
Photographer: Wang Wenyang Zhang Zihong Yang Shen Jiang Wenjie
Printing: Electronic Plate-making & Printing Center, Intellectual Property Publishing House

ADD: P. O.Box 8020 / No.6 Xitucheng Road, Haidian District, Beijing, 100088, P. R. China
Tel: 86-10-62083268 / Fax: 86-10-62019615 / <http://www.sipo.gov.cn>