

Appendix table 6-45

USPTO patents granted in telecommunications technology, by region/country/economy: Selected years, 1997–2012

Region/country/economy	1997	1999	2001	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
World	3,483	6,296	6,744	7,385	7,843	7,125	11,699	10,264	10,540	11,138	14,726	16,697	20,743
North America	1,950	3,572	3,844	4,040	4,431	4,022	6,721	5,791	5,649	6,013	7,795	8,649	10,507
Bermuda	0	0	0	0	0	0	0	0	1	0	1	0	0
Canada	88	229	218	203	244	223	377	322	355	337	500	612	805
Mexico	0	1	3	3	6	4	2	2	0	0	1	0	2
United States	1,862	3,342	3,624	3,834	4,181	3,795	6,342	5,467	5,294	5,676	7,293	8,037	9,699
Central and South America	1	2	0	0	1	1	3	2	8	6	6	7	20
Argentina	0	0	0	0	0	0	1	0	0	3	1	2	5
Brazil	0	0	0	0	0	0	1	1	5	3	4	5	9
All others	1	2	0	0	1	1	1	0	3	1	1	1	5
Europe	569	1,044	1,214	1,363	1,393	1,216	1,937	1,578	1,643	1,560	2,169	2,334	2,891
EU	549	1,008	1,183	1,328	1,333	1,165	1,859	1,514	1,571	1,491	2,062	2,225	2,780
Austria	5	9	9	20	26	28	37	19	34	39	52	46	61
Belgium	11	13	17	13	32	33	24	27	29	29	31	33	38
Denmark	2	14	13	19	12	15	30	23	35	23	26	39	49
Finland	67	163	172	239	249	182	319	270	253	246	324	297	275
France	96	154	182	184	191	154	282	214	236	216	289	316	423
Germany	113	171	257	324	323	317	514	403	391	396	548	532	602
Hungary	0	1	1	7	3	2	3	5	2	5	11	9	15
Ireland	10	4	9	15	20	12	27	25	24	13	26	32	34
Italy	27	19	25	32	38	33	65	52	64	57	73	104	121
Netherlands	40	72	42	39	60	40	88	71	76	70	87	103	114
Spain	5	4	9	7	10	11	19	22	32	28	18	40	71
Sweden	82	189	221	224	149	137	153	97	120	120	224	300	420
United Kingdom	92	194	225	204	218	193	288	277	262	233	326	339	496
All others	0	1	1	1	4	7	9	9	12	16	26	37	60
Other Europe	20	36	31	35	60	51	78	64	72	69	107	109	111
Norway	1	1	5	6	7	7	11	10	9	3	13	13	10
Russia	0	0	6	5	11	10	9	13	21	21	31	28	36
Former Soviet Union	2	6	0	0	0	0	0	0	0	0	0	0	0
All others	0	5	7	3	12	5	3	4	2	3	1	6	11
Switzerland	17	24	13	21	30	29	55	37	40	42	62	62	54
Asia	928	1,618	1,613	1,864	1,878	1,751	2,820	2,717	3,044	3,320	4,448	5,398	6,908
China	3	8	11	9	24	24	69	67	91	164	277	423	762
India	0	1	4	10	12	26	36	45	64	63	96	94	158
Japan	820	1,319	1,253	1,408	1,331	1,199	1,844	1,559	1,650	1,702	2,282	2,613	3,155
Malaysia	0	3	4	1	3	3	2	8	4	7	6	10	12
Singapore	8	2	11	14	19	13	23	23	21	28	38	41	63
South Korea	68	231	247	308	331	317	512	625	802	935	1,254	1,570	1,967
Taiwan	28	52	82	114	156	169	332	389	411	419	492	644	783
All others	1	2	1	0	2	0	2	1	1	2	3	3	8
Middle East	26	50	56	93	116	101	159	135	150	180	224	216	326

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Region/country/economy	1997	1999	2001	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Israel	25	50	54	92	113	99	155	133	146	179	218	205	310
All others	1	0	2	1	2	3	4	2	4	1	6	12	16
Africa	2	0	2	2	4	6	5	3	6	2	6	7	10
South Africa	1	0	0	2	4	4	5	2	5	2	4	4	3
All others	1	0	2	0	0	2	0	1	1	1	2	4	6
Australia/Oceania	8	9	16	23	21	29	53	39	42	58	79	84	82
Australia	4	9	10	12	20	26	48	37	37	52	73	70	72
New Zealand	4	1	6	11	1	3	5	2	5	6	6	14	9
All others	0	0	0	0	0	0	0	0	0	0	0	0	0

EU = European Union; USPTO = U.S. Patent and Trademark Office.

NOTES: Technologies are classified by The Patent Board™. Patents are fractionally allocated among regions/countries/economies based on the proportion of residences of all named inventors. The EU includes 27 member countries. China includes Hong Kong. Detail may not add to total because of rounding or minor discrepancies. See appendix table 6-41 for a full list of countries by region/country/economy.

SOURCE: The Patent Board™, special tabulations (2013) of the Proprietary Patent Database.

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