

Appendix table 6-46

USPTO patents granted in semiconductor 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	5,470	9,148	12,665	13,108	12,764	11,036	12,082	11,440	11,080	11,974	16,661	16,216	15,272
North America	2,483	4,183	5,889	6,199	5,834	5,106	5,616	5,152	4,706	4,783	6,481	6,044	5,764
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Canada	27	28	45	68	51	48	60	71	62	72	99	96	112
Mexico	0	0	1	0	0	1	0	1	0	0	0	1	2
United States	2,457	4,155	5,842	6,132	5,783	5,057	5,556	5,080	4,644	4,712	6,382	5,946	5,651
Central and South America	1	1	1	1	0	1	1	1	1	1	7	6	9
Argentina	0	0	0	0	0	0	1	1	0	0	1	2	1
Brazil	0	1	1	0	0	0	0	0	1	1	6	2	3
All others	1	0	0	1	0	1	0	0	0	0	0	2	5
Europe	379	614	868	1,033	977	908	1,034	926	904	979	1,508	1,437	1,421
EU	349	578	815	979	931	874	985	893	869	944	1,446	1,390	1,362
Austria	5	11	20	24	22	22	25	19	26	35	45	55	63
Belgium	5	8	22	36	33	22	35	31	40	47	83	76	74
Denmark	1	3	2	4	3	1	8	6	6	8	10	7	5
Finland	1	9	8	13	21	14	21	18	16	22	30	25	15
France	66	99	131	145	137	123	164	154	115	167	239	243	242
Germany	125	218	319	412	462	444	462	444	437	425	716	647	646
Hungary	0	0	0	0	0	1	0	2	1	0	1	0	1
Ireland	6	3	6	9	10	9	11	6	13	9	10	24	18
Italy	55	74	113	99	60	47	60	43	50	59	63	73	62
Netherlands	20	33	59	84	59	55	47	54	45	35	82	81	73
Spain	2	1	3	2	1	4	4	1	2	2	6	4	6
Sweden	18	38	48	24	19	26	22	23	18	20	32	43	42
United Kingdom	42	80	82	122	104	103	119	89	93	109	116	103	96
All others	4	3	4	5	4	3	8	4	8	8	14	11	19
Other Europe	30	36	53	54	46	34	49	33	35	35	62	47	59
Norway	0	0	0	0	2	2	6	4	4	3	4	2	6
Russia	0	0	24	24	9	8	13	10	10	5	9	9	10
Former Soviet Union	4	11	0	0	0	0	0	0	0	0	0	0	0
Switzerland	25	23	27	25	31	22	26	16	16	26	47	34	37
All others	1	2	2	5	4	2	4	3	5	1	2	2	6
Asia	2,586	4,319	5,862	5,818	5,901	4,984	5,372	5,303	5,404	6,145	8,578	8,636	7,992
China	4	9	17	29	40	54	42	54	67	83	151	176	236
India	3	2	3	13	11	16	29	42	30	25	56	50	70
Japan	1,896	2,766	3,359	3,764	3,713	3,091	3,164	3,033	2,872	3,271	4,623	4,588	4,242
Malaysia	0	2	11	10	19	24	27	50	39	36	51	54	45
Singapore	29	44	147	155	141	107	122	126	116	117	215	263	260
South Korea	293	608	725	733	831	786	972	1,037	1,280	1,636	2,204	2,183	1,723
Taiwan	360	883	1,595	1,096	1,128	892	999	948	988	962	1,252	1,298	1,398
All others	1	5	5	18	18	14	17	13	12	15	26	24	18
Middle East	17	24	40	38	33	29	36	42	47	47	62	62	70

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Region/country/economy	1997	1999	2001	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Israel	17	24	39	37	32	28	35	42	45	47	59	57	60
All others	0	0	1	1	1	1	1	0	2	0	3	5	10
Africa	1	2	0	2	1	1	1	0	1	2	6	3	2
South Africa	0	1	0	0	0	1	1	0	0	0	4	2	0
All others	1	1	0	1	1	0	0	0	1	2	2	2	2
Australia/Oceania	2	6	5	16	17	8	21	15	18	19	19	28	13
Australia	2	6	4	14	16	8	21	15	17	18	18	25	13
New Zealand	0	0	1	2	1	0	0	1	0	0	1	3	0
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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