

Appendix table 6-52

USPTO patents granted in automation and control 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	1,265	1,599	1,710	1,843	1,987	1,856	3,276	2,773	2,889	3,225	3,951	4,176	4,713
North America	803	992	1,033	1,042	1,206	1,096	1,984	1,581	1,739	1,779	2,141	2,299	2,558
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Canada	38	42	43	42	53	48	69	48	64	78	101	97	97
Mexico	1	1	1	2	0	2	3	1	0	3	5	4	4
United States	765	949	988	998	1,153	1,047	1,912	1,532	1,675	1,698	2,036	2,198	2,456
Central and South America	1	1	1	3	2	2	4	1	0	7	4	9	8
Argentina	0	1	0	1	0	0	1	0	0	1	0	0	0
Brazil	1	0	1	1	1	2	1	0	0	5	2	8	7
All others	0	0	0	1	1	0	2	1	0	2	2	1	1
Europe	181	239	307	335	318	316	486	375	380	430	583	622	706
EU	172	230	287	319	298	310	455	354	354	406	549	582	672
Austria	4	3	8	8	8	6	10	10	9	13	21	31	25
Belgium	0	0	3	3	3	2	6	2	5	3	5	8	8
Denmark	3	6	0	5	2	4	8	2	3	5	11	9	10
Finland	5	4	10	6	3	6	10	12	9	16	21	17	20
France	25	38	31	47	44	51	58	40	45	47	104	91	116
Germany	83	97	139	157	155	163	189	160	143	166	200	213	254
Hungary	0	2	0	0	0	0	1	1	0	0	2	2	1
Ireland	0	2	1	2	2	4	8	6	4	9	6	6	10
Italy	20	19	26	28	22	15	43	32	27	44	39	43	56
Netherlands	3	9	12	15	10	8	17	13	19	19	25	35	43
Spain	0	0	3	3	4	5	3	3	4	4	9	5	8
Sweden	10	18	19	11	14	12	22	15	23	19	32	43	39
United Kingdom	18	30	32	31	29	30	79	53	51	58	67	68	73
All others	1	3	3	1	3	4	2	6	10	4	7	11	9
Other Europe	9	9	20	16	20	6	31	21	26	24	34	40	34
Norway	0	1	3	2	3	2	4	6	2	3	3	7	6
Russia	0	0	2	1	2	1	1	1	2	3	3	1	2
Former Soviet Union	0	0	0	0	0	0	0	0	0	0	0	0	0
Switzerland	9	8	12	13	14	3	25	14	21	18	27	31	25
All others	0	0	3	0	1	0	1	0	1	0	1	1	1
Asia	265	347	351	435	440	419	766	775	740	973	1,160	1,178	1,368
China	0	2	1	2	5	5	18	34	42	46	82	66	120
India	1	0	2	0	3	3	6	9	14	12	16	30	22
Japan	229	274	283	340	321	315	555	503	462	607	714	722	722
Malaysia	1	1	0	0	1	0	2	2	1	2	2	0	2
Singapore	2	3	1	5	5	5	7	9	9	17	21	10	15
South Korea	20	33	33	32	29	27	74	88	87	130	148	175	204
Taiwan	12	34	31	54	75	64	102	130	125	156	173	174	279
All others	0	0	0	2	1	0	2	0	0	3	4	1	4
Middle East	10	13	7	19	14	12	21	23	18	25	34	46	47

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Region/country/economy	1997	1999	2001	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Israel	10	13	7	18	13	10	20	22	16	23	27	37	41
All others	0	0	0	1	1	1	1	1	2	2	8	10	6
Africa	0	3	5	2	1	1	1	3	0	4	3	1	2
South Africa	0	3	4	2	1	0	1	3	0	4	2	0	2
All others	0	0	1	0	0	1	0	0	0	0	1	1	0
Australia/Oceania	7	5	7	8	7	10	15	16	13	8	25	22	23
Australia	5	4	4	8	6	7	10	15	12	6	23	16	18
New Zealand	2	1	3	1	1	3	4	1	1	2	2	6	5
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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