

Appendix table 6-72

**USPTO patents granted in air pollution 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	696	834	921	947	916	838	846	731	739	838	1,084	1,009	1,183
North America	344	392	441	424	420	399	406	329	362	411	522	468	554
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Canada	11	14	17	15	16	17	18	13	18	12	20	19	22
Mexico	0	0	0	0	2	0	0	0	1	0	0	1	1
United States	333	378	424	409	402	382	388	316	343	400	502	448	531
Central and South America	0	3	0	1	0	1	1	0	1	1	2	1	3
Argentina	0	0	0	1	0	0	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	1	1	0	0	1	2	1	1
All others	0	3	0	0	0	0	0	0	1	0	0	0	2
Europe	148	199	228	223	182	176	175	168	150	168	236	208	228
EU	136	185	214	216	177	167	168	161	147	157	230	204	224
Austria	2	3	4	1	3	5	5	4	2	0	5	3	4
Belgium	3	3	3	2	2	2	3	1	0	3	5	2	2
Denmark	1	4	5	7	2	4	3	4	4	6	3	6	6
Finland	7	2	7	8	5	2	2	5	4	5	6	4	2
France	18	28	37	25	20	19	14	29	30	34	31	23	27
Germany	75	94	121	119	103	94	101	79	72	74	125	113	114
Hungary	0	0	0	1	0	0	0	0	0	0	1	0	0
Ireland	0	0	0	0	1	0	0	1	0	1	1	1	0
Italy	7	6	6	8	6	7	5	6	5	9	3	5	8
Netherlands	4	11	9	6	4	5	2	2	3	1	11	8	5
Spain	1	1	0	0	1	1	0	0	0	1	0	0	2
Sweden	6	11	12	10	12	11	10	10	12	10	9	11	13
United Kingdom	12	21	10	28	18	18	22	20	15	14	27	24	37
All others	0	2	0	3	1	0	1	1	0	0	2	4	5
Other Europe	12	14	14	7	5	9	7	7	3	11	6	4	4
Norway	2	2	7	3	2	3	2	3	2	3	2	3	0
Russia	0	0	2	0	1	1	3	0	0	2	2	1	1
Former Soviet Union	5	4	0	0	0	0	0	0	0	0	0	0	0
Switzerland	5	7	5	4	2	5	1	4	1	5	2	0	3
All others	0	1	0	0	0	0	1	0	0	1	0	0	0
Asia	197	234	248	295	312	257	264	232	225	254	319	326	388
China	0	0	2	6	3	1	2	7	4	4	6	11	10
India	1	0	1	0	1	0	0	1	1	0	1	1	3
Japan	185	218	221	258	285	233	244	202	200	228	284	282	338
Malaysia	0	0	0	0	0	0	0	0	0	0	0	0	0
Singapore	1	0	0	1	1	1	0	0	0	1	1	0	0
South Korea	3	7	12	19	15	10	12	16	15	14	18	24	30
Taiwan	7	8	11	11	7	12	6	6	5	6	8	7	7
All others	0	1	1	0	0	0	0	0	0	1	1	1	0
Middle East	1	1	2	3	2	2	0	0	1	3	2	1	5

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Region/country/economy	1997	1999	2001	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Israel	1	1	1	3	1	2	0	0	1	2	2	0	2
All others	0	0	1	0	1	0	0	0	0	1	0	1	3
Africa	0	2	0	0	0	0	2	1	0	0	0	0	1
South Africa	0	2	0	0	0	0	2	1	0	0	0	0	1
All others	0	0	0	0	0	0	0	0	0	0	0	0	0
Australia/Oceania	7	4	2	0	1	3	0	1	0	1	2	4	3
Australia	7	4	1	0	1	3	0	1	0	0	1	4	3
New Zealand	0	0	1	0	0	0	0	0	0	1	1	0	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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