

Appendix table 6-62

USPTO patents granted in fuel cell 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	95	174	281	482	572	521	616	549	551	700	1,093	1,043	1,143
North America	50	109	178	292	332	297	330	276	247	284	421	399	375
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Canada	3	7	12	35	44	45	35	25	23	27	20	23	32
Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
United States	47	102	166	257	288	252	295	251	223	256	401	376	342
Central and South America	0	0	0	0	0	0	0	0	0	0	0	0	0
Argentina	0	0	0	0	0	0	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	0	0	0	0	0	0	0	0
All others	0	0	0	0	0	0	0	0	0	0	0	0	0
Europe	19	30	44	72	76	68	65	76	90	80	135	111	121
EU	17	27	38	69	73	64	61	76	86	77	129	108	116
Austria	0	0	0	0	1	2	2	0	0	2	1	1	1
Belgium	0	0	0	0	0	0	0	1	0	1	2	1	0
Denmark	2	0	0	1	4	3	0	2	2	4	5	3	7
Finland	0	0	0	0	0	1	0	0	1	0	0	1	1
France	0	0	2	1	4	2	7	10	4	8	12	19	20
Germany	6	20	33	56	51	44	38	51	56	46	80	57	54
Hungary	0	0	0	0	0	0	0	0	0	0	0	0	0
Ireland	0	0	0	0	0	0	0	0	1	0	0	0	0
Italy	2	3	1	2	4	3	3	2	4	3	8	10	10
Netherlands	1	1	2	2	2	2	2	4	4	1	3	1	2
Spain	0	0	0	1	1	0	0	0	0	1	0	1	0
Sweden	1	0	0	0	0	0	2	0	1	0	1	1	1
United Kingdom	5	3	0	5	7	7	7	6	13	10	13	13	19
All others	0	0	0	1	0	0	0	0	0	0	5	1	1
Other Europe	2	3	6	3	3	4	4	0	4	3	6	3	5
Norway	0	0	0	0	0	0	0	0	1	0	0	0	0
Russia	0	0	0	2	0	2	0	0	1	0	1	0	1
Former Soviet Union	0	0	0	0	0	0	0	0	0	0	0	0	0
Switzerland	2	3	6	1	2	2	4	0	2	3	5	3	4
All others	0	0	0	0	1	0	0	0	0	0	0	0	0
Asia	24	34	57	116	158	153	214	196	210	333	530	525	643
China	0	0	0	1	1	0	2	2	3	5	5	8	2
India	0	0	0	0	1	0	0	1	0	0	2	0	3
Japan	23	31	55	111	149	143	193	173	178	257	377	355	489
Malaysia	0	0	0	0	0	0	0	0	0	0	0	0	0
Singapore	0	0	0	0	0	0	0	0	0	0	2	0	2
South Korea	1	2	2	4	6	7	13	15	23	54	124	134	122
Taiwan	0	1	0	0	1	3	6	5	6	17	19	28	25
All others	0	0	0	0	0	0	0	0	0	0	1	0	0
Middle East	2	0	0	2	4	2	3	0	3	2	4	3	4

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Region/country/economy	1997	1999	2001	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Israel	2	0	0	2	4	1	3	0	3	2	2	3	2
All others	0	0	0	0	0	1	0	0	0	0	2	0	1
Africa	0	0	0	0	0	0	0	0	0	0	0	0	1
South Africa	0	0	0	0	0	0	0	0	0	0	0	0	1
All others	0	0	0	0	0	0	0	0	0	0	0	0	0
Australia/Oceania	0	1	2	0	2	1	3	2	2	2	3	5	0
Australia	0	1	2	0	2	1	3	2	2	2	3	5	0
New Zealand	0	0	0	0	0	0	0	0	0	0	0	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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