

Appendix table 6-69

**USPTO patents granted in hydrogen production and storage 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	77	115	161	174	194	167	202	186	202	208	307	303	284
North America	34	53	79	98	120	90	124	105	127	123	198	174	153
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Canada	2	7	5	11	11	9	12	6	3	7	10	6	12
Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
United States	32	46	74	87	109	81	112	99	124	116	188	167	141
Central and South America	0	0	0	0	0	0	1	0	0	0	0	0	1
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	1	0	0	0	0	0	1
Europe	9	13	33	21	28	28	20	22	29	31	37	37	31
EU	9	12	31	20	26	23	19	19	27	30	32	34	28
Austria	0	0	0	0	0	1	0	0	0	0	0	1	0
Belgium	0	0	1	0	0	0	0	0	0	0	0	0	0
Denmark	0	2	2	0	2	1	0	0	1	4	0	2	0
Finland	1	1	0	0	0	0	0	0	0	0	1	0	0
France	3	4	8	2	2	1	2	4	4	7	5	13	8
Germany	3	4	14	13	17	13	8	10	6	14	18	9	10
Hungary	0	0	0	0	0	0	0	0	0	0	0	0	1
Ireland	0	0	0	0	0	0	0	0	1	0	0	0	0
Italy	1	1	0	0	0	1	2	0	1	1	4	0	3
Netherlands	1	0	0	1	2	5	0	0	8	1	0	0	1
Spain	0	0	0	0	0	0	0	0	0	0	0	2	0
Sweden	0	0	1	0	1	0	1	0	0	0	1	0	0
United Kingdom	0	1	5	2	1	1	6	5	4	3	3	7	4
All others	0	0	0	1	0	0	0	0	1	1	0	0	0
Other Europe	0	1	2	1	2	5	1	3	2	1	5	3	3
Norway	0	1	1	1	2	2	0	2	1	0	2	1	0
Russia	0	0	0	0	0	2	0	0	0	1	1	1	1
Former Soviet Union	0	0	0	0	0	0	0	0	0	0	0	0	0
Switzerland	0	0	1	0	0	1	1	1	1	0	2	1	2
All others	0	0	0	0	0	0	0	0	0	0	0	0	0
Asia	30	46	50	56	45	46	56	58	45	48	68	84	97
China	0	0	1	1	0	0	0	1	1	0	1	0	1
India	0	0	0	1	0	0	0	1	0	0	2	0	0
Japan	24	40	45	52	44	43	55	45	40	41	46	56	71
Malaysia	0	0	0	0	0	0	0	0	0	0	0	0	0
Singapore	0	0	0	0	0	1	0	1	0	0	0	0	0
South Korea	5	6	3	1	0	1	0	5	2	5	13	22	23
Taiwan	1	0	1	1	1	1	1	4	2	2	6	5	2
All others	0	0	0	0	0	0	0	1	0	0	0	1	0
Middle East	1	0	0	0	2	0	1	1	0	3	2	3	2

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