

Appendix table 6-70

**USPTO patents granted in cleaner coal 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	96	80	71	71	64	70	57	41	57	88	171	204	240
North America	53	47	38	51	41	46	40	32	42	59	124	151	187
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Canada	2	0	1	0	1	2	4	1	3	2	4	4	8
Mexico	1	0	0	0	0	0	1	0	0	0	0	1	1
United States	50	47	37	51	40	44	35	31	39	57	119	146	179
Central and South America	0	0	0	1	1	0	0	0	1	0	0	1	0
Argentina	0	0	0	0	0	0	0	0	0	0	0	0	0
Brazil	0	0	0	1	0	0	0	0	0	0	0	1	0
All others	0	0	0	0	1	0	0	0	1	0	0	0	0
Europe	24	18	14	11	6	12	7	7	8	18	20	24	25
EU	20	15	11	8	6	9	7	7	8	12	20	18	23
Austria	1	0	1	0	0	0	0	0	1	0	0	0	0
Belgium	1	0	0	1	1	0	0	0	0	0	0	1	0
Denmark	0	0	0	0	0	0	0	0	1	2	0	0	0
Finland	4	1	1	0	0	0	1	0	1	0	0	0	1
France	2	2	0	1	2	2	0	3	1	2	3	2	4
Germany	7	9	6	6	3	6	4	3	2	6	6	9	8
Hungary	0	0	0	0	0	0	0	0	0	0	0	0	0
Ireland	0	0	0	0	0	0	0	0	0	0	0	0	0
Italy	1	1	1	0	0	1	0	0	1	0	0	0	2
Netherlands	1	0	1	0	1	0	2	0	0	0	5	1	1
Spain	0	0	0	0	0	0	0	0	0	1	0	0	0
Sweden	1	2	1	0	0	0	0	0	0	2	1	1	0
United Kingdom	3	0	0	0	0	0	0	1	1	0	5	4	6
All others	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Europe	4	3	3	3	0	3	0	0	0	6	0	6	2
Norway	0	0	0	2	0	2	0	0	0	1	0	3	0
Russia	0	0	0	1	0	0	0	0	0	0	0	0	0
Former Soviet Union	0	0	0	0	0	0	0	0	0	0	0	0	0
Switzerland	4	3	3	0	0	1	0	0	0	5	0	3	2
All others	0	0	0	0	0	0	0	0	0	0	0	0	0
Asia	17	12	19	7	15	10	10	1	5	9	26	22	25
China	1	0	0	0	0	0	0	0	0	0	2	8	5
India	0	0	0	0	0	0	0	0	0	0	4	2	6
Japan	15	10	19	6	15	8	9	1	5	7	15	12	12
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	0	0	0
South Korea	1	1	0	1	0	0	1	0	0	1	4	0	2
Taiwan	0	1	0	0	0	0	0	0	0	0	0	0	0
All others	0	0	0	0	0	2	0	0	0	1	1	0	0
Middle East	0	1	1	2	1	0	0	0	0	0	1	2	0

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

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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