

Appendix table 6-64

USPTO patents granted in solar energy 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	212	277	392	380	314	255	262	261	253	371	671	1,044	1,472
North America	107	124	153	145	144	122	133	146	137	222	376	595	818
Bermuda	1	1	0	0	0	0	0	0	0	0	0	0	0
Canada	5	3	2	7	3	4	6	3	3	6	6	21	19
Mexico	1	0	0	0	1	1	0	0	0	0	0	1	1
United States	100	120	152	139	140	117	127	143	134	216	370	573	798
Central and South America	0	2	1	2	0	1	0	0	0	0	0	0	0
Argentina	0	0	1	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	2	0	2	0	1	0	0	0	0	0	0	0
Europe	25	46	56	62	34	45	44	39	48	47	106	136	226
EU	24	40	47	57	33	39	42	37	42	43	102	121	209
Austria	1	2	2	0	1	1	1	2	1	4	2	3	4
Belgium	0	0	2	4	3	3	3	3	3	1	6	5	3
Denmark	1	0	0	0	0	0	0	0	0	0	2	2	2
Finland	1	1	0	0	0	0	1	0	0	1	0	0	1
France	1	6	1	5	3	3	5	3	8	7	14	17	22
Germany	14	24	29	28	21	21	22	16	18	26	51	65	106
Hungary	1	1	0	0	0	0	0	0	0	0	0	0	1
Ireland	0	0	1	0	0	0	0	0	0	0	1	0	0
Italy	1	1	2	2	0	1	2	1	2	0	4	8	11
Netherlands	0	0	5	5	3	3	1	5	3	1	7	4	13
Spain	1	0	0	4	0	1	1	2	1	1	2	2	14
Sweden	0	1	2	2	0	1	0	1	2	0	3	4	3
United Kingdom	3	4	2	7	2	4	6	4	4	2	9	8	21
All others	0	0	2	0	0	1	1	0	1	0	3	3	7
Other Europe	1	6	9	5	1	6	2	2	6	4	4	15	17
Norway	0	0	0	0	0	0	0	0	2	0	0	4	1
Russia	0	0	1	0	0	0	0	0	0	1	0	0	1
Former Soviet Union	0	0	0	0	0	0	0	0	0	0	0	0	0
Switzerland	1	6	8	4	1	5	2	2	4	2	4	9	14
All others	0	0	0	1	0	1	0	0	0	1	0	2	1
Asia	71	90	174	160	128	83	75	69	64	89	171	289	402
China	1	0	1	1	0	1	3	3	3	4	9	10	32
India	0	0	0	0	0	1	0	1	1	1	0	1	5
Japan	67	77	169	152	116	74	64	55	50	56	98	164	186
Malaysia	0	0	0	0	1	0	0	0	0	0	0	0	0
Singapore	0	0	0	0	0	0	0	0	0	3	2	3	1
South Korea	0	5	0	5	4	1	1	4	2	10	23	50	73
Taiwan	2	7	4	1	7	6	7	6	8	14	31	60	103
All others	1	1	0	1	0	0	1	0	0	1	7	1	2
Middle East	4	5	6	2	6	2	2	4	2	3	9	9	18

Appendix table 6-64

USPTO patents granted in solar energy 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
Israel	4	5	6	2	6	2	2	4	2	3	7	8	12
All others	0	0	0	0	0	0	0	0	0	0	2	1	5
Africa	2	0	0	0	0	1	0	0	0	1	2	1	0
South Africa	2	0	0	0	0	0	0	0	0	0	2	1	0
All others	0	0	0	0	0	1	0	0	0	1	0	0	0
Australia/Oceania	4	10	3	10	2	2	8	3	2	10	7	14	9
Australia	4	9	3	10	2	2	8	3	2	10	7	14	8
New Zealand	0	1	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.

Science and Engineering Indicators 2014