



APPENDIX TABLE 6-72

USPTO patents granted in solid waste control technology, by region, country, or economy: 1998–2016

(Number)

Region, country, or economy	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
World	368	311	305	281	279	218	189	171	172	151	156	150	210	178	224	222	244	222	207
North America	238	197	198	163	170	119	112	105	112	103	101	115	118	123	150	132	155	130	136
Canada	8	12	17	10	15	6	9	10	8	5	8	9	7	11	13	7	7	7	12
Mexico	1	0	0	0	2	1	0	0	0	0	0	0	0	0	3	2	1	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
United States	230	185	180	153	153	113	103	95	105	98	93	107	111	112	134	123	147	123	124
Central and South America	2	1	0	0	2	1	2	0	0	0	2	0	0	1	1	0	0	0	1
Argentina	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Brazil	2	1	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0
All others	0	0	0	0	1	0	1	0	0	0	1	0	0	0	1	0	0	0	1
Europe	75	62	61	58	50	44	40	31	25	24	25	14	45	24	23	45	34	38	26
EU	61	56	54	46	43	42	36	25	23	21	21	12	39	22	19	41	31	34	22
Austria	1	1	2	2	2	2	1	2	0	0	0	0	2	0	0	0	0	3	2
Belgium	2	0	0	1	2	1	0	1	3	1	1	0	0	1	2	1	0	0	1
Denmark	1	4	1	4	3	1	0	2	0	0	0	0	2	2	1	1	0	0	1
Finland	3	4	2	4	2	3	2	1	0	1	0	1	0	0	0	1	0	1	1



Region, country, or economy	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
France	13	10	9	4	8	8	7	7	6	7	3	3	5	3	1	7	7	6	5
Germany	19	17	25	10	10	14	14	6	7	4	7	3	10	4	3	14	8	7	1
Hungary	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	1	0	0
Ireland	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	0
Italy	3	1	1	4	3	3	3	2	1	1	0	1	3	2	4	1	7	4	1
Netherlands	1	1	3	2	0	3	3	0	0	1	0	0	1	3	0	1	1	0	0
Spain	1	1	1	1	0	0	1	0	0	1	0	0	1	0	0	1	1	1	0
Sweden	6	5	1	5	4	0	2	3	1	1	0	1	3	1	1	3	0	1	1
United Kingdom	7	10	9	8	7	5	3	1	5	4	6	2	8	5	5	7	2	8	7
All others	2	1	1	2	0	2	1	0	0	1	3	0	3	0	1	1	1	2	2
Other Europe	14	7	7	11	6	1	4	6	2	2	4	2	6	2	4	4	3	4	5
Former Soviet Union	2	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Norway	0	1	1	1	0	0	0	3	0	0	0	0	2	0	1	0	1	2	1
Russia	1	2	2	5	2	1	1	1	1	2	2	1	1	1	2	3	1	0	2
Switzerland	10	4	5	6	3	0	2	1	1	0	2	1	3	1	1	1	1	2	1
All others	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0
Asia	51	45	41	55	52	48	30	31	28	18	23	17	38	21	42	42	46	44	35
China	1	0	1	1	0	1	1	3	3	2	1	5	1	3	6	7	12	9	10
India	0	0	0	0	0	0	1	2	0	0	1	0	1	0	3	0	3	3	0



Region, country, or economy	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Japan	34	35	37	40	39	34	25	20	17	12	14	5	20	13	13	18	20	14	13
Malaysia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Singapore	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
South Korea	4	4	2	7	6	4	3	0	5	3	4	3	8	5	11	10	8	12	10
Taiwan	10	6	1	6	6	8	0	5	2	1	3	4	6	0	8	4	2	5	2
All others	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0
Middle East	1	4	3	1	1	2	1	1	2	1	1	2	5	2	6	2	6	5	6
Israel	1	4	3	1	1	2	1	1	2	1	1	1	4	0	4	2	3	3	4
All others	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	0	3	2	2
Africa	0	0	1	0	0	0	0	1	3	1	1	0	2	0	0	0	1	1	0
South Africa	0	0	1	0	0	0	0	1	3	1	1	0	2	0	0	0	1	1	0
All others	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Australia and Oceania	1	2	1	4	4	4	3	2	3	4	2	1	1	7	3	1	2	5	2
Australia	1	1	1	4	4	4	3	2	3	4	1	1	1	6	3	1	2	5	2
New Zealand	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

EU = European Union; USPTO = U.S. Patent and Trademark Office.

Note(s)



Patents are fractionally allocated among regions, countries, or economies based on the proportion of residences of all named inventors. The EU includes 28 member countries. Technologies are based on a classification developed by The Patent Board.

Source(s)

Science-Metrix; PatentsView and USPTO patent data.

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