



APPENDIX TABLE 6-73

USPTO patents granted in water pollution 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	362	404	460	484	444	402	382	326	336	412	367	381	457	443	482	487	506	521	520
North America	236	274	312	318	284	271	261	225	247	272	249	258	288	284	293	312	303	313	327
Canada	21	23	33	30	31	21	23	16	17	15	22	21	18	23	27	24	17	24	19
Mexico	0	0	1	3	1	1	0	1	0	0	1	0	0	0	1	2	2	1	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
United States	214	252	278	285	252	249	238	208	230	257	227	236	270	261	265	285	284	288	308
Central and South America	0	0	0	2	2	1	2	1	0	3	2	4	0	9	0	2	2	7	8
Argentina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
Brazil	0	0	0	0	1	1	1	0	0	1	1	0	0	4	0	0	0	0	3
All others	0	0	0	2	1	0	1	1	0	2	1	4	0	5	0	1	2	6	5
Europe	63	70	73	87	73	51	47	44	28	52	43	44	78	56	66	63	82	70	77
EU	56	60	68	78	70	48	43	40	25	46	39	40	71	48	56	52	75	62	63
Austria	4	1	0	1	2	1	1	2	1	1	3	1	3	0	1	0	1	3	2
Belgium	1	0	2	1	1	1	3	0	1	1	1	2	1	1	2	3	5	2	3
Denmark	0	4	4	5	3	2	0	1	0	0	6	5	3	3	4	1	0	2	0
Finland	1	1	1	2	2	2	2	0	2	1	1	0	5	0	0	3	4	2	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	7	9	10	17	14	10	6	7	5	12	8	6	12	10	11	13	7	8	9
Germany	20	24	25	28	24	16	8	15	6	12	8	10	19	15	17	16	23	21	19
Hungary	0	0	0	0	0	0	0	0	0	0	1	0	2	1	0	0	1	1	0
Ireland	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0
Italy	4	1	5	1	2	2	2	0	1	2	4	1	5	0	3	4	2	4	8
Netherlands	3	8	4	5	11	4	4	3	0	1	1	2	4	6	0	1	8	6	6
Spain	0	1	0	2	1	0	1	1	0	1	2	1	2	1	0	1	3	0	2
Sweden	7	2	8	6	4	1	6	4	2	3	3	2	9	3	5	1	2	2	4
United Kingdom	6	7	6	9	4	7	9	6	6	9	2	10	4	6	11	6	15	7	4
All others	3	2	2	1	1	0	0	2	0	2	1	0	2	1	1	1	3	3	5
Other Europe	7	9	6	10	3	4	4	4	3	6	3	5	7	8	10	12	8	8	13
Former Soviet Union	0	0	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
Norway	2	2	1	1	0	1	2	1	1	2	0	3	5	2	4	3	0	2	9
Russia	4	4	2	5	2	3	1	1	1	1	3	1	2	3	2	4	3	0	1
Switzerland	1	3	3	2	1	0	1	2	0	2	0	0	1	2	4	4	5	6	3
All others	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Asia	55	54	62	64	72	63	60	45	52	74	63	66	73	76	97	84	84	101	84
China	2	1	1	2	2	0	1	1	4	4	3	4	6	7	14	10	20	19	15
India	1	0	1	0	1	6	0	4	2	4	2	5	1	5	3	3	4	4	6



Region, country, or economy	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Japan	31	38	49	50	47	47	42	29	35	45	44	32	46	45	56	37	35	44	39
Malaysia	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	0	1	0
Singapore	0	0	0	0	0	0	1	0	0	0	2	1	0	1	1	0	0	2	1
South Korea	17	11	5	6	14	7	10	3	7	7	4	13	14	7	11	23	17	25	18
Taiwan	4	4	6	6	8	2	6	8	4	12	10	11	4	9	11	10	6	6	4
All others	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	1	0	1
Middle East	3	2	6	3	3	7	3	3	3	5	2	5	7	10	14	19	15	22	18
Israel	3	1	3	3	1	6	2	2	2	3	1	4	6	7	7	7	7	6	7
All others	0	1	3	0	2	1	1	1	1	2	1	1	1	3	7	11	8	16	11
Africa	0	0	2	7	2	1	2	2	4	3	0	1	1	2	2	4	1	2	3
South Africa	0	0	2	7	2	1	1	2	3	2	0	0	1	2	2	2	1	1	2
All others	0	0	0	0	0	0	1	0	1	1	0	1	0	0	0	2	0	1	1
Australia and Oceania	4	3	3	3	8	7	7	6	2	4	7	4	10	6	9	2	18	7	4
Australia	4	2	3	3	8	6	7	6	2	4	6	3	7	6	9	2	17	7	4
New Zealand	1	1	0	0	0	1	0	0	0	0	1	1	3	0	0	0	1	0	0
Unclassified	1	0	1	0	0	0	0	0	1	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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