



APPENDIX TABLE 8-11

USPTO patents granted in medical technology, by region, country, or economy: 2000-16

(Number)

Region, country, or economy	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
World	7,964	8,147	8,052	9,034	7,336	6,125	7,153	6,527	5,949	6,877	11,015	12,182	14,595	16,836	17,675	16,798	17,136
North America	5,908	5,939	5,668	6,453	5,212	4,401	5,103	4,611	4,083	4,800	7,772	8,747	10,205	11,618	12,039	11,290	11,605
Canada	125	162	141	182	122	106	109	99	95	102	161	175	190	245	246	267	262
Mexico	3	3	3	4	7	5	4	2	6	1	4	6	7	12	9	9	9
Puerto Rico	3	0	0	3	4	0	1	5	2	1	5	6	4	4	7	3	5
United States	5,777	5,773	5,523	6,264	5,079	4,290	4,988	4,504	3,980	4,696	7,602	8,559	10,004	11,357	11,776	11,011	11,329
All others	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Central and South America	30	30	35	38	16	23	12	9	9	21	18	36	42	55	52	49	34
Argentina	11	12	14	16	9	10	3	4	1	11	5	10	13	16	13	10	12
Brazil	8	8	8	12	2	6	6	1	4	2	8	15	17	17	22	21	7
All others	10	10	12	10	6	7	3	4	4	7	5	11	11	22	16	17	16
Europe	1,288	1,354	1,346	1,427	1,203	941	1,039	1,026	943	1,098	1,807	1,807	2,350	2,800	3,076	2,911	2,958
EU	1,157	1,219	1,212	1,295	1,081	840	930	921	827	970	1,609	1,573	2,068	2,477	2,709	2,504	2,607
Austria	19	20	20	29	26	19	23	12	18	26	30	39	50	58	74	64	74
Belgium	22	18	23	20	13	9	19	15	16	24	28	39	33	63	66	41	58
Denmark	34	33	36	56	35	28	33	23	27	35	52	63	77	95	122	91	88



Region, country, or economy	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Finland	26	28	27	34	32	25	27	23	21	20	41	34	33	49	55	42	52
France	163	175	159	171	131	105	103	105	114	113	188	185	249	249	312	283	262
Germany	394	427	468	443	400	278	327	377	330	434	704	625	846	1,009	987	945	962
Hungary	1	4	2	3	0	3	3	2	4	0	5	6	4	5	8	5	6
Ireland	19	10	8	21	19	27	22	22	9	25	46	56	51	59	75	61	96
Italy	71	79	84	93	78	56	59	62	55	60	90	83	104	141	150	136	136
Netherlands	73	83	76	64	59	39	46	47	42	49	81	81	113	135	172	137	146
Spain	15	7	14	16	10	8	10	17	7	4	11	14	25	33	37	35	31
Sweden	141	167	137	159	118	110	117	81	78	69	100	134	174	177	198	178	165
United Kingdom	171	158	151	177	151	126	131	125	100	108	211	194	283	377	427	450	500
All others	8	10	8	9	10	8	9	10	7	3	21	20	27	26	25	37	31
Other Europe	131	135	135	133	122	101	109	105	115	128	198	234	282	324	367	407	351
Former Soviet Union	2	0	1	3	2	0	1	3	2	2	3	2	4	0	1	2	5
Norway	12	18	16	18	16	7	13	12	6	8	25	20	25	25	24	20	13
Russia	22	15	14	14	10	13	9	12	13	15	12	18	25	26	26	25	23
Switzerland	90	96	97	92	91	72	77	68	81	92	143	175	216	254	293	324	269
All others	6	5	6	6	3	8	8	10	12	11	16	19	13	19	24	37	42
Asia	564	616	753	849	693	585	748	695	732	711	1,069	1,159	1,549	1,747	1,824	1,903	1,893
China	9	5	18	23	19	19	22	20	27	43	78	73	103	114	103	121	181



Region, country, or economy	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
India	3	4	1	5	7	4	12	7	11	10	10	15	22	37	48	49	57
Japan	443	501	577	664	523	423	549	542	563	545	818	876	1,127	1,265	1,289	1,297	1,186
Malaysia	2	1	5	4	3	2	2	1	3	1	3	2	3	4	5	8	6
Singapore	2	4	4	6	5	3	6	3	9	8	10	10	22	19	32	32	25
South Korea	29	34	43	68	37	38	44	39	48	45	70	85	113	149	196	220	258
Taiwan	76	67	100	77	97	93	113	81	72	56	78	96	154	155	144	169	171
All others	1	1	5	1	0	2	1	2	1	2	2	2	6	3	7	8	8
Middle East	95	146	162	166	135	99	141	113	115	165	232	261	293	404	453	410	454
Israel	94	142	160	164	133	99	139	111	110	162	230	253	283	370	425	379	420
All others	1	4	1	3	2	0	2	1	5	2	2	9	9	34	28	31	33
Africa	11	4	7	10	5	7	12	5	3	6	9	11	17	10	17	15	15
South Africa	11	3	4	6	4	5	9	4	2	5	7	8	13	9	12	11	12
All others	0	1	3	4	1	2	3	0	1	1	2	3	4	2	5	4	3
Australia and Oceania	67	58	82	90	73	68	98	69	64	77	109	160	139	202	213	219	177
Australia	60	53	67	76	56	55	83	65	60	69	94	148	115	183	193	186	148
New Zealand	8	5	15	13	17	12	15	5	4	7	14	13	25	19	21	34	29
All others	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
Unclassified	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0



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

**Note(s)**

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Patents are allocated according to patent inventorship information. 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. China includes Hong Kong. Patents are classified under the World Intellectual Property Organization (WIPO) classification of patents, which classifies International Patent Classification (IPC) codes under 35 technical fields. IPC reformed codes take into account changes that were made to the WIPO classification in 2006 under the eighth version of the classification and were used to prepare these data. However, because PatentsView only provides the original IPC codes as they appeared on patents and not the IPC reformed codes, current Cooperative Patent Classification codes on patents were converted back to the most recent IPC classification to prepare these statistics. Fractional counts of patents were assigned to each technological field on patents to assign the proper weight of a patent to the corresponding technological fields under the classification.

**Source(s)**

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Science-Metrix; PatentsView and USPTO patent data, accessed April 2017.

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