

Appendix table 6-48

USPTO patents granted in biotechnology, 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	4,685	6,367	6,278	5,379	4,806	4,117	6,008	5,940	5,703	5,826	8,203	8,277	8,464
North America	3,307	4,374	4,260	3,640	3,206	2,722	3,910	3,929	3,615	3,751	5,097	4,985	5,118
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Canada	122	207	204	180	161	110	183	204	174	185	237	241	244
Mexico	3	2	4	4	3	2	3	1	3	7	9	7	7
United States	3,182	4,164	4,053	3,456	3,042	2,611	3,725	3,724	3,438	3,558	4,851	4,738	4,867
Central and South America	8	5	10	15	16	10	24	16	20	18	34	31	30
Argentina	3	1	1	0	5	0	5	3	3	3	3	5	2
Brazil	2	1	6	8	8	2	12	7	5	7	14	12	10
All others	4	4	3	7	3	7	6	6	11	9	17	14	18
Europe	868	1,233	1,272	1,094	964	794	1,132	1,088	1,093	1,117	1,658	1,716	1,764
EU	804	1,155	1,182	1,023	901	735	1,047	998	1,004	1,025	1,527	1,566	1,619
Austria	27	27	25	24	15	21	19	25	19	33	35	47	41
Belgium	29	62	52	51	57	36	59	65	58	61	75	79	66
Denmark	44	67	76	70	44	43	71	60	61	61	108	132	128
Finland	18	40	23	13	17	12	18	14	25	24	39	27	27
France	144	182	202	186	135	138	187	157	164	153	232	238	258
Germany	212	276	325	308	273	201	290	272	273	282	440	420	465
Hungary	2	3	7	6	7	3	3	4	6	3	4	3	7
Ireland	3	4	5	4	5	4	9	6	3	9	13	12	11
Italy	49	64	37	40	27	28	56	40	44	48	95	96	101
Netherlands	58	73	70	46	58	51	55	65	70	86	95	121	108
Spain	8	15	15	14	12	16	14	11	26	26	26	27	37
Sweden	38	67	75	72	56	44	52	60	61	43	76	77	85
United Kingdom	166	260	254	185	183	133	203	204	184	186	259	264	268
All others	5	15	15	5	11	5	12	15	10	11	29	22	18
Other Europe	64	78	90	71	63	59	85	90	89	92	131	150	145
Norway	6	12	11	9	12	10	7	15	12	18	14	20	23
Russia	0	0	11	9	11	10	12	23	21	22	31	33	19
Former Soviet Union	6	12	0	0	0	0	0	0	0	0	0	0	0
Switzerland	50	51	61	48	37	35	63	46	49	46	83	88	97
All others	2	3	7	5	3	4	3	6	7	6	3	9	6
Asia	432	590	588	500	504	506	785	764	822	757	1,180	1,280	1,279
China	6	8	17	14	20	25	40	64	54	53	83	76	124
India	7	8	21	44	35	35	50	44	44	28	60	57	67
Japan	386	507	453	367	373	361	514	513	559	493	715	855	754
Malaysia	1	1	0	0	1	1	2	3	4	1	9	5	5
Singapore	1	8	7	7	4	7	12	7	15	12	12	18	24
South Korea	20	41	55	44	37	44	92	80	84	97	180	174	181
Taiwan	10	15	33	22	32	31	68	50	60	69	114	93	121
All others	1	2	2	2	2	2	7	3	2	4	7	2	3
Middle East	26	71	54	61	49	34	68	66	66	87	114	128	128

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Region/country/economy	1997	1999	2001	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Israel	23	70	52	61	48	34	64	63	63	85	108	126	120
All others	2	1	2	0	1	0	4	3	3	2	6	2	9
Africa	1	4	6	6	2	2	3	4	5	4	11	10	5
South Africa	0	3	3	2	2	0	2	1	2	2	5	6	4
All others	1	1	2	3	0	2	1	3	3	2	6	4	1
Australia/Oceania	43	91	90	63	63	50	87	73	83	93	110	126	140
Australia	39	81	81	54	49	44	71	62	72	76	92	109	115
New Zealand	3	10	9	9	13	6	15	11	11	16	17	17	24
All others	1	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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