

Biotechnology patents granted by USPTO and EPO for selected regions/countries/economies: 1996–2006

Agency and region/country/economy	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
USPTO											
All regions/countries/economies	3,101	4,255	6,315	6,290	5,630	6,270	5,703	5,290	4,764	4,232	5,194
United States.....	2,050	2,943	4,253	4,189	3,788	4,092	3,780	3,438	3,098	2,725	3,269
EU	495	695	1,046	1,110	1,008	1,154	997	985	866	753	856
Austria	14	22	34	27	24	28	23	21	21	23	15
Belgium	26	29	58	68	55	57	50	51	53	35	43
Bulgaria	0	1	0	0	2	1	0	0	0	0	0
Czech Republic	2	1	1	4	4	3	2	0	1	1	1
Denmark.....	25	57	86	89	89	97	71	84	42	49	56
Finland.....	15	16	26	37	15	26	20	14	14	14	16
France.....	86	132	182	185	175	188	156	188	131	142	147
Germany.....	133	154	233	249	226	293	262	276	257	201	241
Greece	3	0	1	1	2	2	2	2	1	0	1
Hungary.....	3	3	5	3	2	4	6	5	6	6	4
Ireland.....	3	3	2	4	4	6	5	4	7	5	8
Italy.....	24	29	46	52	32	33	37	33	24	33	36
Luxembourg.....	0	0	0	0	1	0	0	0	0	0	0
Netherlands.....	28	66	85	84	94	81	67	64	64	59	55
Poland.....	2	1	2	3	0	1	1	0	3	1	3
Portugal	0	0	0	0	1	1	1	0	1	0	1
Romania.....	0	0	0	0	0	1	0	0	0	0	0
Slovenia.....	0	1	3	2	0	1	1	1	1	1	1
Spain	8	5	9	14	10	13	14	11	11	13	13
Sweden.....	22	29	52	52	49	63	55	59	53	39	44
United Kingdom.....	103	146	220	234	220	254	222	172	175	129	169
All others.....	1	0	2	2	2	2	3	0	1	2	3
Asia.....	349	380	608	554	443	557	515	498	468	469	677
China	0	1	10	5	8	11	17	18	21	27	35
India.....	3	7	10	8	9	19	28	36	31	24	32
Japan.....	324	347	537	471	384	437	396	367	351	344	458
Malaysia	1	1	0	1	0	0	0	2	1	0	2
Philippines	0	0	0	1	1	0	0	0	0	0	0
Singapore.....	2	0	7	6	5	7	1	7	7	8	12
South Korea	14	14	26	44	21	50	39	48	35	38	79
Taiwan	5	9	17	17	13	34	33	20	21	27	56
Thailand.....	0	0	0	2	2	0	0	0	1	1	3
All others.....	0	0	0	0	0	0	0	0	0	0	0
All others.....	207	237	409	436	391	467	411	369	333	284	393
EPO											
All regions/countries/economies	1,178	1,043	941	934	854	1,037	1,394	1,751	1,942	2,064	2,695
United States.....	509	412	375	399	361	417	564	720	710	771	1,043
EU	387	411	350	334	319	397	527	681	801	841	1,022
Austria	13	9	10	10	9	19	12	17	19	23	19

Appendix table 6-49

(Page 2 of 2)

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Agency and region/country/economy	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Belgium	13	10	10	11	15	19	19	28	45	47	40
Bulgaria	0	0	1	0	0	2	0	0	0	1	0
Czech Republic	0	0	0	1	1	0	0	0	1	3	0
Denmark	10	16	18	16	14	19	23	30	43	40	60
Finland	18	8	9	8	6	12	16	10	16	16	19
France	63	65	59	47	40	44	76	103	124	122	188
Germany	133	117	103	88	102	138	195	208	261	284	342
Greece	0	1	0	0	1	1	0	2	1	1	2
Hungary	1	3	1	2	1	1	1	4	3	2	2
Ireland	3	3	5	4	1	2	5	4	4	5	10
Italy	18	25	19	18	21	13	18	25	30	33	45
Luxembourg	0	0	0	0	0	0	1	0	0	0	0
Netherlands	27	17	25	31	23	31	40	49	63	48	65
Poland	0	1	1	0	0	0	1	1	0	1	1
Portugal	0	0	0	1	0	0	0	2	0	1	1
Romania	0	0	0	0	0	1	0	0	0	0	0
Slovenia	0	1	1	1	0	1	0	1	2	2	0
Spain	0	10	6	4	3	5	3	8	16	15	15
Sweden	16	13	10	13	13	14	31	32	30	33	40
United Kingdom	73	111	75	75	68	76	87	159	142	162	174
All others	0	0	0	2	0	1	0	0	1	2	1
Asia	217	150	145	122	118	143	189	229	266	274	404
China	0	0	0	0	0	1	2	1	3	4	6
India	1	1	1	2	1	2	1	4	4	11	14
Japan	215	146	141	117	113	131	173	212	244	230	354
Malaysia	0	0	0	0	0	0	0	0	1	0	1
Philippines	0	0	1	0	0	1	0	0	0	0	0
Singapore	0	1	1	1	0	1	0	0	3	4	2
South Korea	1	1	1	2	4	9	10	10	11	26	29
Taiwan	0	0	1	0	1	0	3	3	3	4	5
Thailand	0	0	0	0	0	0	0	0	0	0	0
All others	0	0	0	0	0	0	0	0	0	0	0
All others	65	71	71	80	56	80	114	121	165	177	226

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

NOTES: Patent applications assigned to year based on application date to EPO. Patent applications on fractional-count basis. For patent applications with multiple inventors from different countries, each country receives fractional credit based on proportion of its participating inventors. Asia includes China, India, Indonesia, Japan, Malaysia, Philippines, Singapore, South Korea, Taiwan, and Thailand. China includes Hong Kong. Countries that have <0.01% world share of U.S. patent applications in 2005 grouped in All others.

SOURCE: Organisation for Economic Co-operation and Development, Patent database, http://stats.oecd.org/wbos/default.aspx?DatasetCode=PATS_IPC, accessed 15 February 2007.

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