



Region, country, or economy	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
France	37	15	10	6	12	19	6	11	5	11	9	8	12	15	9	17	32	18	27
Germany	17	25	12	10	8	10	6	11	3	1	9	6	7	6	6	10	12	6	11
Hungary	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Ireland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Italy	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	3	1	0
Netherlands	0	1	0	1	0	0	0	0	1	2	0	0	0	1	0	0	0	0	0
Spain	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0
Sweden	3	11	3	8	8	5	4	1	2	2	1	3	4	4	3	1	4	5	4
United Kingdom	5	7	1	7	6	3	2	2	1	3	2	1	0	0	2	1	0	1	2
All others	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Other Europe	3	0	0	1	6	0	3	1	1	2	0	1	3	2	2	0	3	1	2
Former Soviet Union	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Norway	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Russia	0	0	0	1	5	0	2	0	1	1	0	1	3	2	1	0	1	1	1
Switzerland	2	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	2	0	1
All others	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Asia	33	23	20	26	25	35	30	27	10	11	14	12	30	35	40	56	73	53	45
China	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	4	4
India	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	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	29	20	18	17	20	28	22	19	6	8	11	6	18	22	21	31	48	27	29
Malaysia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Singapore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Korea	3	3	2	8	3	6	8	8	3	2	3	6	10	10	15	21	22	22	12
Taiwan	1	0	0	0	2	0	0	0	1	0	0	0	2	3	3	3	2	0	0
All others	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Middle East	1	2	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0
Israel	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
All others	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0
Africa	0	1	0	0	0	0	0	1	2	1	0	0	0	1	0	2	4	0	1
South Africa	0	1	0	0	0	0	0	1	2	1	0	0	0	1	0	2	4	0	1
All others	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Australia and Oceania	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0	2	1	2
Australia	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0	2	1	2
New Zealand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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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