

Appendix table 6-68

USPTO patents granted in battery technology, 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	220	208	288	324	303	216	238	227	228	309	523	482	632
North America	96	90	108	90	87	67	65	57	62	74	104	96	141
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Canada	12	8	8	5	4	7	3	3	5	10	6	10	13
Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
United States	85	82	99	86	82	60	62	54	57	64	98	86	128
Central and South America	0	0	2	0	0	0	0	0	1	0	0	0	0
Argentina	0	0	0	0	0	0	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	0	0	0	0	0	0	0	0
All others	0	0	2	0	0	0	0	0	1	0	0	0	0
Europe	20	15	19	28	22	16	11	10	10	9	37	29	35
EU	18	15	18	27	21	14	9	9	10	8	34	27	30
Austria	2	1	0	0	0	2	0	0	1	1	1	0	0
Belgium	0	0	0	0	0	0	0	0	0	0	0	1	0
Denmark	0	0	2	1	0	1	0	0	0	0	0	0	1
Finland	1	0	0	0	0	0	1	0	0	0	1	0	0
France	6	4	6	6	5	3	1	2	3	3	16	13	10
Germany	5	6	4	9	11	5	2	4	2	2	9	10	13
Hungary	0	0	0	0	0	0	0	0	0	0	0	0	0
Ireland	0	0	0	0	0	0	0	0	0	0	0	0	0
Italy	2	0	2	1	1	1	0	1	0	0	3	0	0
Netherlands	0	1	1	3	0	0	0	0	0	0	0	0	1
Spain	0	0	1	1	1	0	1	0	0	0	0	0	0
Sweden	0	0	1	1	0	0	2	1	1	0	1	2	1
United Kingdom	2	2	2	4	3	3	3	2	2	2	3	1	2
All others	0	0	0	2	0	0	0	0	1	0	0	0	0
Other Europe	2	0	1	1	1	2	2	1	0	1	3	2	5
Norway	0	0	0	0	0	0	0	0	0	0	0	0	0
Russia	0	0	1	0	0	1	0	0	0	1	2	1	1
Former Soviet Union	1	0	0	0	0	0	0	0	0	0	0	0	0
Switzerland	1	0	0	1	0	0	2	1	0	0	1	1	3
All others	0	0	0	0	1	1	0	0	0	0	0	0	1
Asia	102	100	156	201	192	132	161	157	154	221	378	354	454
China	0	1	1	0	2	0	1	0	2	2	13	13	25
India	0	0	0	0	0	1	0	0	0	0	0	0	0
Japan	92	88	132	172	155	101	119	118	117	142	203	204	296
Malaysia	0	0	0	0	1	0	0	0	0	0	0	0	0
Singapore	1	0	0	0	0	0	0	0	0	0	0	2	0
South Korea	8	9	20	29	32	28	37	38	34	70	151	130	126
Taiwan	1	2	3	0	2	2	4	1	1	7	11	5	7
All others	0	0	0	0	0	0	0	0	0	0	0	0	0
Middle East	1	2	3	0	0	0	0	0	0	1	0	1	2

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Region/country/economy	1997	1999	2001	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Israel	1	2	3	0	0	0	0	0	0	1	0	1	2
All others	0	0	0	0	0	0	0	0	0	0	0	0	0
Africa	1	2	0	0	1	0	0	0	1	1	4	1	0
South Africa	1	2	0	0	1	0	0	0	1	1	4	1	0
All others	0	0	0	0	0	0	0	0	0	0	0	0	0
Australia/Oceania	0	0	1	4	1	1	1	2	1	3	2	2	2
Australia	0	0	0	4	1	0	1	1	1	2	0	2	2
New Zealand	0	0	1	0	0	1	0	1	0	1	2	0	0
All others	0	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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