

Table SINV-76

## USPTO utility patents granted in transport, by region, country, or economy: 1998–2020

(Number)

Region, country, or economy	Economy by income status	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
World	na	6,289	6,427	7,227	7,872	7,738	7,418	7,057	6,517	7,011	6,359	6,146	6,034	7,793	7,650	8,626	9,888	10,990	12,000	12,108	13,380	13,378	15,352	15,314
North America	na	3,635	3,556	4,023	4,119	3,906	3,806	3,635	3,426	3,666	3,286	3,016	2,914	3,747	3,606	3,943	4,405	4,780	5,230	5,426	6,056	6,212	7,090	7,138
Canada	High	160	152	179	189	174	207	213	184	200	170	169	164	185	196	192	230	236	248	234	272	296	334	313
Mexico	Upper middle	4	1	4	10	4	4	3	4	3	2	5	2	6	5	3	9	13	21	19	53	85	88	69
United States	High	3,471	3,403	3,841	3,921	3,728	3,596	3,419	3,238	3,463	3,113	2,842	2,747	3,556	3,406	3,748	4,165	4,531	4,960	5,173	5,732	5,830	6,668	6,755
Central America and Caribbean	na	1	3	3	3	1	6	2	4	2	2	3	2	1	1	1	4	2	2	5	3	5	7	5
Puerto Rico	High	1	1	3	1	1	4	1	3	0	1	1	0	0	0	1	2	1	1	3	2	4	2	2
South America	na	10	10	11	15	13	20	13	5	8	8	7	2	12	19	12	18	21	20	25	24	31	36	26
Argentina	Upper middle	2	1	1	4	2	3	2	0	1	2	3	0	1	1	1	2	1	1	1	0	3	3	1
Brazil	Upper middle	8	5	8	8	9	15	7	5	6	5	4	2	10	17	8	15	16	16	20	22	25	31	22
Europe	na	1,231	1,319	1,570	1,894	1,863	1,792	1,576	1,331	1,400	1,239	1,233	1,195	1,611	1,654	2,029	2,450	2,608	2,870	2,668	2,932	2,766	3,254	3,158
EU-27 + UK <sup>a</sup>	na	1,181	1,270	1,519	1,840	1,806	1,738	1,535	1,295	1,364	1,210	1,207	1,159	1,564	1,600	1,975	2,375	2,519	2,778	2,588	2,842	2,687	3,151	3,048
United Kingdom	High	106	105	140	179	138	120	113	122	116	95	79	88	115	118	168	165	203	224	248	261	284	338	280
EU-27 <sup>b</sup>	na	1,075	1,165	1,379	1,661	1,668	1,619	1,421	1,174	1,248	1,115	1,129	1,072	1,450	1,482	1,807	2,210	2,316	2,554	2,339	2,582	2,403	2,813	2,768
Austria	High	11	19	26	23	24	32	25	30	29	17	14	26	41	36	34	51	38	44	49	48	63	72	82
Belgium	High	17	14	17	19	19	30	21	21	17	15	13	17	20	26	32	42	41	44	54	59	37	42	44
Denmark	High	7	7	11	13	15	11	6	3	5	5	3	7	10	10	9	12	10	21	18	22	17	16	23
Finland	High	14	10	14	11	15	12	13	11	19	11	7	7	9	7	13	12	16	16	17	27	21	20	19
France	High	194	209	239	238	261	260	255	205	212	210	197	177	262	289	386	451	544	535	467	548	526	568	557
Germany	High	679	755	888	1,146	1,084	1,031	891	695	737	652	668	638	875	851	1,020	1,259	1,275	1,464	1,305	1,424	1,295	1,581	1,494
Hungary	High	2	1	1	4	3	0	3	1	3	1	1	2	3	2	4	6	4	6	10	5	5	16	15
Ireland	High	2	4	4	5	4	3	2	6	3	4	6	4	1	5	5	4	4	1	7	10	10	6	14
Italy	High	60	59	69	82	79	96	85	79	100	75	83	73	80	99	129	163	156	171	145	159	165	183	199
Netherlands	High	16	15	27	29	47	30	23	36	24	25	28	30	25	29	38	48	58	54	61	60	58	62	63
Spain	High	20	14	15	15	24	17	12	21	29	34	20	22	38	32	45	45	47	47	44	49	44	54	63
Sweden	High	49	57	56	68	83	82	71	46	57	47	69	52	72	71	75	93	95	119	119	126	112	124	124
Other Europe	na	50	48	51	54	56	54	41	35	36	29	26	36	47	54	54	75	88	92	80	89	79	103	110
Other Europe-2020 <sup>b</sup>	na	156	153	191	233	195	174	155	157	152	124	105	123	162	172	222	240	292	316	328	350	362	441	390
Belarus	Upper middle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
Moldova	Lower middle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Norway	High	15	24	20	21	22	16	15	20	12	9	5	17	19	19	21	16	25	23	26	23	24	27	29
Russia	Upper middle	6	6	3	1	3	5	5	0	3	2	4	2	1	4	4	4	2	9	4	6	7	9	10
Switzerland	High	23	16	25	29	24	27	18	12	18	16	14	15	23	24	24	45	50	42	40	49	33	48	51

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Ukraine	Lower middle	2	0	1	1	2	1	1	0	0	0	0	0	1	0	0	1	1	2	1	1	0	1	2
Asia	na	1,349	1,477	1,551	1,782	1,900	1,722	1,770	1,686	1,870	1,748	1,825	1,863	2,339	2,282	2,559	2,900	3,449	3,756	3,843	4,210	4,217	4,775	4,813
China	Upper middle	2	6	7	11	14	6	11	17	15	13	29	32	28	46	64	113	112	138	157	218	286	376	425
India	Lower middle	0	1	0	2	0	0	4	4	3	8	3	6	10	6	19	27	19	30	31	55	56	72	92
Japan	High	1,094	1,247	1,283	1,458	1,545	1,423	1,459	1,402	1,530	1,459	1,532	1,552	1,953	1,876	2,031	2,255	2,702	2,850	2,790	2,985	2,958	3,324	3,277
Malaysia	Upper middle	0	3	3	0	0	0	1	1	1	0	0	0	2	3	2	2	2	3	1	4	4	2	5
Singapore	High	1	1	3	3	6	2	3	2	1	6	4	2	5	9	4	5	8	8	10	14	5	14	18
South Korea	High	76	56	50	70	96	73	72	95	122	101	110	124	165	194	218	288	408	529	638	725	693	794	825
Taiwan	High	171	164	205	235	235	216	219	163	196	160	142	145	167	145	219	209	192	196	209	203	207	188	164
Middle East	na	16	19	15	13	10	16	9	12	7	19	8	14	19	33	28	42	53	50	60	64	64	98	75
Israel	High	12	15	11	12	8	14	8	12	5	14	4	13	18	26	24	28	33	38	51	47	54	79	60
Africa	na	7	8	9	4	2	4	5	5	8	3	8	4	6	3	2	6	6	3	8	12	14	3	9
South Africa	Upper middle	7	8	9	4	2	3	5	5	8	3	8	4	5	3	2	5	5	3	7	10	9	3	7
Australia and Oceania	na	39	34	44	42	43	51	48	47	50	54	47	40	56	52	52	63	71	66	72	80	68	89	90
Australia	High	37	28	35	36	39	44	37	37	40	50	39	35	49	45	44	50	55	47	58	56	49	69	75
New Zealand	High	3	6	8	6	5	7	10	10	10	4	8	6	7	7	8	13	16	18	15	24	19	19	15
Unclassified	na	2	1	2	0	0	0	0	1	1	0	0	0	1	0	0	0	1	3	1	0	1	1	1

na = not applicable, metric not calculated at this level.

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

<sup>a</sup> The United Kingdom was a part of the EU for data purposes from 1973 to 2019.<sup>b</sup> Beginning in 2020, the United Kingdom was no longer a member of the EU.**Note(s):**

USPTO patents are allocated according to patent inventorship information. USPTO patents are fractionally allocated among regions, countries, or economies based on the proportion of residences of all named inventors. 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. China includes Hong Kong.

**Source(s):**

National Center for Science and Engineering Statistics; Science-Metrix; PatentsView, USPTO, accessed June 2021.