

Table SINV-38

International patent families granted in furniture, games, 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	10,137	10,445	9,292	8,407	8,351	9,165	10,124	9,991	11,251	12,106	12,164	13,255	15,095	16,860	19,022	20,840	22,411	20,856	24,466	24,426	24,498	23,428	25,794
North America	na	3,165	3,110	3,015	2,635	2,567	2,603	2,433	1,973	2,193	2,026	1,787	1,856	2,598	2,442	2,568	2,619	2,915	2,837	2,750	2,723	2,551	2,786	2,759
Canada	High	178	182	172	168	152	145	131	131	127	123	111	114	146	133	122	165	177	155	151	149	144	151	144
Mexico	Upper middle	5	2	6	3	5	3	7	4	1	1	4	6	4	3	7	9	6	7	13	12	11	10	7
United States	High	2,981	2,926	2,837	2,464	2,410	2,455	2,295	1,838	2,065	1,903	1,672	1,737	2,448	2,306	2,439	2,445	2,732	2,675	2,586	2,562	2,397	2,625	2,608
Central America and Caribbean	na	7	6	0	3	2	4	0	1	2	2	1	2	3	2	2	0	3	0	2	2	1	2	3
Puerto Rico	High	4	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
South America	na	9	9	10	5	13	11	18	18	12	9	19	18	12	14	12	17	20	23	21	24	24	25	45
Argentina	Upper middle	1	3	1	0	5	1	3	3	3	3	4	0	2	1	1	0	3	3	1	0	2	1	2
Brazil	Upper middle	4	4	8	4	8	7	13	11	8	4	10	15	9	9	10	16	13	16	17	19	18	22	39
Europe	na	2,420	2,436	2,352	2,081	2,086	2,235	2,584	2,186	1,948	1,794	1,832	1,913	2,005	1,898	2,162	2,140	2,045	1,943	2,206	2,654	2,520	2,393	2,188
EU-27 + UK ^a	na	2,108	2,198	2,108	1,854	1,836	1,899	2,250	1,866	1,700	1,532	1,522	1,587	1,671	1,652	1,893	1,871	1,726	1,639	1,904	2,265	2,117	1,998	1,860
United Kingdom	High	203	236	238	231	239	239	280	286	220	180	191	180	173	226	218	221	185	164	192	193	171	141	201
EU-27 ^b	na	1,905	1,962	1,870	1,623	1,598	1,660	1,970	1,581	1,479	1,352	1,332	1,407	1,498	1,426	1,675	1,650	1,541	1,475	1,711	2,072	1,946	1,857	1,659
Austria	High	72	66	62	70	71	79	63	63	77	59	84	80	77	98	115	85	75	95	108	84	77	86	81
Belgium	High	15	14	9	19	18	13	17	10	16	16	19	12	13	16	11	15	14	31	64	51	41	55	37
Denmark	High	27	25	18	21	12	26	29	16	15	11	15	16	15	21	22	26	28	32	27	34	21	31	27
Finland	High	25	26	9	24	29	25	19	12	9	16	11	18	16	10	19	16	17	29	29	23	20	23	25
France	High	514	488	465	391	373	409	357	305	430	310	290	285	308	261	433	377	346	317	341	319	288	282	247
Germany	High	469	458	427	452	501	513	484	436	487	452	457	436	453	406	500	609	575	549	608	554	543	625	650
Hungary	High	6	4	4	8	9	6	7	3	6	2	6	5	8	7	6	5	5	11	2	4	5	5	5
Ireland	High	18	8	8	6	4	1	9	8	6	4	5	5	10	7	12	18	13	10	15	9	10	8	8
Italy	High	353	429	479	228	205	171	490	273	34	58	39	58	150	189	123	54	38	41	72	522	463	341	199
Netherlands	High	130	148	146	151	130	132	140	129	142	136	123	156	131	135	131	124	100	83	129	144	115	102	116
Spain	High	85	97	84	92	61	78	86	125	111	131	101	117	93	84	120	126	112	86	94	84	86	76	35
Sweden	High	87	92	66	66	73	88	139	80	50	64	61	76	101	56	75	73	62	71	71	79	107	59	86
Other Europe	na	312	238	244	227	250	335	334	320	248	262	309	326	334	246	268	269	319	304	302	389	403	395	328
Other Europe-2020 ^b	na	514	474	482	458	489	574	614	606	469	442	500	506	507	472	486	490	504	468	494	581	574	536	529
Belarus	Upper middle	3	0	0	0	1	0	4	1	2	3	9	2	4	2	2	1	0	3	4	4	2	1	3

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Moldova	Lower middle	5	1	2	4	10	1	1	1	2	4	1	1	2	3	2	2	1	2	1	2	2	2	0
Norway	High	21	29	32	38	38	31	16	23	26	30	24	20	31	20	11	19	28	25	32	27	25	13	11
Russia	Upper middle	208	132	133	101	114	202	182	198	124	144	150	182	150	120	134	123	140	157	118	211	221	215	182
Switzerland	High	68	68	71	76	83	74	57	80	82	57	89	77	111	67	72	88	110	86	114	104	110	118	103
Ukraine	Lower middle	6	4	1	3	4	21	65	12	9	15	22	26	13	17	18	9	11	8	5	15	8	6	1
Asia	na	4,274	4,624	3,669	3,361	3,398	3,965	4,660	5,513	6,860	8,012	8,248	9,204	10,171	12,233	13,964	15,801	17,179	15,798	19,276	18,827	19,202	18,026	20,588
China	Upper middle	42	58	86	117	120	252	220	254	296	325	535	909	909	1,228	1,574	1,359	1,748	2,909	4,017	4,731	5,641	4,801	6,579
India	Lower middle	1	1	1	0	0	1	3	0	1	1	1	1	3	5	8	4	7	11	15	15	16	19	28
Japan	High	3,531	3,529	2,842	2,590	2,333	2,674	3,186	3,511	4,005	4,926	5,732	6,780	7,481	8,478	9,462	10,887	11,891	10,004	12,193	11,062	10,592	9,989	10,706
Malaysia	Upper middle	2	2	2	2	2	3	6	4	16	19	8	11	15	15	12	10	13	11	8	8	9	2	1
Singapore	High	3	5	2	1	0	6	4	2	2	4	6	5	6	3	4	5	4	5	4	7	4	4	8
South Korea	High	335	693	332	281	509	589	720	1,226	2,054	2,252	1,589	1,140	1,340	2,034	2,395	2,996	3,057	2,330	2,345	2,387	2,435	2,630	2,713
Taiwan	High	358	330	401	366	428	434	515	510	481	484	372	357	413	465	505	534	456	523	687	605	498	567	548
Middle East	na	22	20	17	19	17	22	15	15	18	20	14	12	16	26	27	28	38	40	30	24	30	31	28
Israel	High	21	16	13	15	14	17	14	10	11	14	10	10	13	22	17	20	22	22	22	19	22	23	20
Africa	na	93	103	82	82	68	94	94	89	47	63	91	59	70	25	56	31	37	17	6	8	7	12	7
South Africa	Upper middle	81	96	71	78	59	75	82	83	40	53	89	57	63	18	48	22	26	13	6	5	4	9	7
Australia and Oceania	na	139	135	144	218	198	232	318	192	171	178	171	189	217	219	231	202	173	197	175	165	162	151	170
Australia	High	126	128	137	205	188	222	306	180	156	173	158	178	194	201	220	186	156	181	157	152	147	142	157
New Zealand	High	13	7	7	12	10	9	12	11	14	6	12	11	22	18	11	14	17	16	17	13	14	9	14
Unclassified	na	7	3	4	2	1	0	2	5	2	0	2	2	1	2	1	1	1	2	1	1	2	2	5

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

EU = European Union; UK = United Kingdom.

^a The United Kingdom was a part of the EU for data purposes from 1973 to 2019.^b Beginning in 2020, the United Kingdom was no longer a member of the EU.

Note(s):

International Patent Documentation (INPADOC) patent families across all patent offices covered in the Worldwide Patent Statistical Database (PATSTAT) are counted according to the year of the first granted patent in the patent family. Patent families are allocated according to patent inventorship information found on the priority patent of the INPADOC patent families. To account for missing ownership information in PATSTAT for some offices, a method designed by de Rassenfosse et al. (2013) is used to fill missing information on priority patents using information in successive filings within the families. Priority patents not indexed in PATSTAT are replaced by the next utility patent(s) in the families according to filing dates. Patent families 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. China includes Hong Kong. Data were extracted in June 2021. Because of data coverage issues for some patent offices in PATSTAT, statistics for some countries may be underestimated partially for some years or across the whole trend. Countries with identified issues include India (missing data) and South Africa (no data for 2018). For Italy, because of data gaps regarding information on granted patents, patent applications are used instead, which slightly overestimates Italy's output and creates a small shift in year for which its output is accounted. As patent authorities become more involved with the European Patent Organisation, these gaps should disappear in the future, strengthening the robustness of statistics for these countries.

Source(s):

National Center for Science and Engineering Statistics; Science-Metrix; PATSTAT, accessed October 2021.

Science and Engineering Indicators