

TABLE S8-37

## USPTO patents and patent families granted in furniture, games, by region, country, or economy: 1998–2018

(Number)

Region, country, or economy	1998		1999		2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017		2018		
	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families			
World	4,826	9,296	4,849	9,471	4,868	8,296	4,564	7,127	4,640	6,802	4,670	7,492	4,209	8,434	3,487	8,641	3,919	9,623	3,423	10,448	3,203	10,311	3,153	11,414	4,485	12,735	4,473	14,596	4,699	16,515	5,076	18,320	5,720	19,471	5,597	18,087	5,677	21,492	6,138	21,277	5,879	21,324	
North America	3,570	3,915	3,619	2,831	3,592	2,666	3,227	2,193	3,256	2,072	3,202	2,048	2,903	1,813	2,426	1,481	2,783	1,568	2,427	1,350	2,228	1,157	2,201	1,220	3,127	1,518	3,107	1,365	3,143	3,930	1,548	3,852	1,487	3,944	1,378	4,234	1,332	4,004	1,252				
Canada	164	161	174	160	167	158	167	128	153	113	139	116	114	91	105	106	120	89	100	87	96	73	95	83	144	84	134	87	116	68	165	90	187	104	166	85	173	83	197	81	180	74	
Mexico	4	4	3	1	6	4	4	1	4	3	2	2	6	6	4	1	0	0	1	1	4	3	5	4	6	2	3	1	7	1	9	3	6	2	10	3	5	11	6	7			
Puerto Rico	4	4	1	1	4	0	2	0	0	0	0	0	1	0	1	0	4	0	1	0	0	0	1	0	3	0	0	0	0	3	4	0	0	3	0	2	0	3	0	2	0		
United States	3,398	2,846	3,441	2,671	3,418	2,504	3,054	2,065	3,099	1,956	3,062	1,931	2,781	1,716	2,316	1,374	2,659	1,480	2,325	1,262	2,129	1,081	2,100	1,132	2,976	1,432	2,967	1,277	3,016	1,296	3,283	1,345	3,732	1,442	3,674	1,400	3,759	1,288	4,030	1,240	3,818	1,171	
All others	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Central and South America	11	8	13	11	5	7	6	7	9	12	12	5	7	12	12	11	5	12	5	7	16	7	4	15	8	10	8	11	6	7	15	16	16	9	16	7	17	9	17	9	18		
Argentina	1	0	3	1	0	0	0	0	5	3	1	0	3	1	3	1	2	2	2	2	2	2	0	0	1	0	0	0	0	2	0	2	1	1	0	2	1	0	0	2	1		
Brazil	3	1	3	3	2	7	1	4	1	7	4	3	1	10	3	8	2	7	0	2	10	2	12	7	4	7	3	7	6	13	9	3	13	7	7	14	5	15	3	16			
All others	7	7	7	7	3	1	5	3	3	3	7	2	3	2	6	3	1	3	3	3	4	5	2	3	4	3	2	5	4	3	8	6	3	8	2	6	3	2	3	3	1		
Europe	448	2,140	530	2,168	510	2,123	515	1,824	437	1,799	463	1,885	378	2,244	294	1,901	369	1,610	283	1,505	297	1,465	326	1,538	415	1,535	496	1,469	559	1,750	647	1,630	727	1,482	730	1,442	695	1,546	717	1,945	731	1,707	
EU	419	1,850	485	1,950	464	1,906	466	1,628	386	1,579	418	1,581	343	1,938	268	1,606	345	1,395	263	1,276	264	1,204	297	1,250	374	1,258	453	1,274	516	1,534	572	1,434	632	1,249	624	1,214	604	1,338	631	1,642	638	1,406	
Austria	15	68	29	60	23	58	22	70	18	71	23	72	13	61	15	52	25	68	16	47	17	72	21	65	24	61	36	84	23	105	38	74	43	52	43	71	29	83	42	70	32	63	
Belgium	7	8	6	10	3	6	7	10	6	7	4	5	3	8	4	3	3	12	2	11	7	12	3	9	9	9	11	8	11	6	11	7	13	9	11	7	11	8	15	26	15	36	
Denmark	16	15	17	12	15	14	19	9	7	10	11	24	14	19	5	13	6	9	4	8	9	5	8	3	8	10	9	9	11	13	16	17	13	17	13	19	14	17	14	21	9		
Finland	7	20	6	21	3	12	5	20	10	26	7	24	6	15	6	11	7	9	5	11	4	11	4	14	6	13	6	5	12	7	12	11	24	12	20	13	24	16	17	17	13	16	19
France	67	510	92	473	74	449	84	375	73	362	77	391	63	349	34	294	52	421	35	299	41	263	39	260	36	263	53	225	61	421	57	369	62	318	76	299	73	312	54	312	50	267	
Germany	107	377	126	362	113	370	117	373	101	397	106	374	88	364	58	344	86	354	75	351	66	315	85	285	99	259	118	227	142	297	167	339	227	337	152	337	147	292	153	257			
Hungary	0	5	3	4	1	4	1	9	0	9	1	5	1	6	0	3	0	6	0	2	2	4	2	3	4	6	0	7	2	4	4	4	4	10	3	4	10	3	2	6	1		
Ireland	2	15	5	5	5	4	5	3	3	2	1	0	2	3	4	2	5	2	0	2	2	3	1	2	2	1	6	3	3	7	4	10	7	5	7	10	7	10	6	5	7		
Italy	61	344	57	424	69	474	51	224	43	200	43	162	50	487	44	268	49	23	32	46	34	30	43	64	63	175	60	42	78	112	60	42	78	26	79	26	90	35	74	364	91	279	
Netherlands	17	113	28	127	25	136	29	145	11	125	16	118	17	130	13	120	12	132	8	126	13	110	11	136	19	113	23	111	43	105	36	103	31	74	47	47	38	89	49	112	43	52	
Spain	17	76	16	98	15	84	14	86	13	52	12	74	9	80	8	119	13	98	6	130	11	99	14	118	7	88	10	81	11	119	15	109	11	119	15	109	13	87	17	77	22	77	
Sweden	37	72	25	93	29	56	27	64	21	71	16	86	16	75	15	75	15	46	16	56	11	53	12	64	14	82	23	45	42	54	35	42	54	34	36	47	40	36	51	46	59	60	
United Kingdom	63	125	70	155	85	150	82	149	77	136	77	140	54	165	58	187	64	129	58	101	48	108	57	110	80	110	88	166	110	180	123	181	125	146	119	130	117	161	126	159	116	143	
All others	3	102	3	106	3	88	3	92	4	111	11	106	6	122	6	113	7	87	4	88	4	117	1	133	6	117	6	127	10	131	17	108	17	138	13	144	13	139					
Other Europe	29	290	45	218	46	218	49	196	51	220	45	303	35	306	26	295	24	215	21	230	33	262	29	287	40	277	42	195	43	216	75	196	95	233	106	228	86	303	92	302			
Former Soviet Union	0	11	0	5	0	3	0	13	0	13	0	22	0	60	0	17	1	12	0	21	0	30	1	27	1	20	0	21	0	21	1	11	3	12	4	11	2	9	3	19	3	10	
Norway	5	18	12	26	11	27	8	36	13	29	9	30	5	13	6	20	3	24	4	25	8	20	5	17	8	25	9	15	9	23	10	23	18	22	5	30	10	21	7	22			
Russia	3	208	1	132	0	133	3	101	3	114	3	200	1	180	1	196	0	122	0	142	1	148	0	182	4	147	3	119	5	131	7	118	3	134	6	155	4	112	9	205	3	213	
Switzerland	21	51	31	53	33	50	34	48	33	63	31	47	28	48	20	61	20	54	17	37	23	60	22	54	24	74	29	36	30	45	55	47	70	56	69	40	66	53	53	73	56		
All others	0	2	1	2	2	5	4	6	1	1	3	5	1	3	0	1	1	3	0	4	1	3	0	8	3	10	2	5	0	8	2	6	10	8	9	2	13	3	11	4	6	2	
Asia	709	4,024	627	4,356	702	3,394	756	2,948	883	2,805	933	3,433	875	4,178	709	5,090	707	6,312	663	7,444	632	7,532	585	8,500	879	9,502	792	11,560	900	13,154	878	15,053	942	16,236	902	14,906	937	18,418	1,084	17,877	1,033	18,247	

TABLE S8-37

## USPTO patents and patent families granted in furniture, games, by region, country, or economy: 1998–2018

(Number)

Region, country, or economy	1998		1999		2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017		2018	
	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families	USPTO patents	Patent families		
China	32	35	32	40	36	67	55	101	57	89	72	197	54	188	55	202	60	255	56	241	64	454	69	791	101	766	80	1,052	139	1,313	117	1,145	136	1,492	145	2,593	188	3,717	230	4,395	235	5,297
India	1	1	1	1	1	0	0	0	0	0	3	1	1	2	1	0	1	0	1	0	2	1	0	1	4	2	7	4	2	1	6	3	7	4	15	4	16	8	17	9		
Japan	275	3,312	233	3,293	254	2,611	309	2,308	356	2,046	388	2,257	315	2,813	254	3,164	288	3,552	277	4,530	252	5,200	240	6,336	377	7,151	338	8,155	418	9,047	394	10,483	452	11,359	375	9,617	361	11,794	400	10,643	382	10,208
Malaysia	1	1	1	2	3	2	1	1	2	1	2	1	7	3	3	2	5	16	3	20	7	5	2	12	4	13	5	9	5	10	4	9	2	14	2	6	1	7	3	7		
Singapore	2	1	1	3	1	1	1	1	1	0	2	2	3	0	4	0	2	1	3	2	4	3	3	4	1	1	1	3	3	2	2	7	1	4	2	9	4	3	2			
South Korea	55	317	51	680	37	314	45	179	49	250	61	547	80	681	70	1,231	56	2,026	74	2,188	82	1,512	99	1,031	146	1,199	114	1,918	83	2,307	114	2,915	128	2,923	116	2,192	144	2,247	169	2,241	163	2,308
Taiwan	341	356	303	330	370	397	339	354	412	417	398	422	415	487	320	489	295	460	249	464	220	355	172	326	245	368	247	415	245	213	444	245	481	220	253	645	574	229	411			
All others	2	1	5	6	1	2	5	4	6	3	6	6	1	4	3	2	1	2	1	0	1	2	1	0	2	3	4	2	3	6	4	3	5	3	5	3	7	5	2	6		
Middle East	23	13	18	17	15	13	13	10	14	7	12	9	11	5	11	9	14	10	15	10	12	7	12	4	19	7	36	15	31	11	33	17	46	19	35	12	37	7	34	13		
Israel	22	12	16	13	15	9	12	6	14	5	12	4	11	4	9	7	12	6	5	12	10	5	9	3	16	5	30	6	25	6	31	5	31	6	25	6	33	4	29	10		
All others	1	1	2	4	0	5	1	5	0	2	0	5	0	1	2	1	4	3	6	2	2	3	1	2	2	2	3	5	9	6	5	12	13	15	15	9	6	4	3	6	2	
Africa	11	39	8	32	4	27	7	26	6	23	10	45	7	40	7	34	6	16	5	19	4	23	3	20	5	29	3	9	4	15	10	17	3	7	4	2	2	1	4			
South Africa	10	27	7	25	4	16	7	21	6	14	10	26	6	29	5	29	6	12	5	14	3	22	2	19	3	9	2	9	10	3	5	4	2	4	3	0	2	0	1	4		
All others	1	12	1	7	0	11	0	5	0	9	1	19	1	11	2	5	1	4	0	1	5	1	0	1	7	0	5	0	7	1	5	0	12	0	3	1	0	2	0	3		
Australia and Oceania	50	51	35	53	39	62	39	118	35	83	38	66	29	140	27	111	35	92	24	113	22	109	21	118	33	134	40	174	47	199	51	157	63	154	55	209	53	122	55	96	63	83
Australia	42	48	30	51	33	60	29	116	28	82	34	64	24	138	19	111	27	90	21	111	19	106	20	117	22	131	32	172	37	199	44	156	51	151	49	209	45	119	42	95	49	81
New Zealand	9	3	5	3	6	2	10	1	6	1	4	2	5	2	8	1	8	2	3	1	3	3	1	9	2	8	2	10	1	7	1	12	3	6	1	7	2	13	1	14	2	
All others	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
Unclassified	2	7	0	2	1	3	1	1	0	1	0	0	0	1	0	2	0	2	0	0	1	2	0	0	1	1	0	1	0	1	0	1	0	1	0	0	0	1	0	0	3	1

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

## 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. 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. (2012) is used to fill in missing information on priority patents using information in successive filings within the patent families (see technical documentation for details). Patent families are fractionally allocated among regions, countries, or economies based on the proportion of residences of all named inventors. 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 the year for which its output is accounted. The EU includes 28 member countries. China includes Hong Kong.

## Source(s)

Science-Matrix; PATSTAT, accessed April 2019; PatentsView, USPTO, accessed June 2019.