

TABLE 86-2

**Patenting companies and total number of patent applications and patents currently owned for companies with 1–9 employees, by industry: 2017**

(Number)

Industry	NAICS code	All companies	Patenting companies	Patents pending	Patents owned
All industries	11, 21–23, 31–33, 42–81	3,500,973	40,550	54,491	126,077
Manufacturing industries	31–33	139,012	8,169	8,879	22,989
Food	311	11,753	241	366 r	455
Beverage and tobacco products	312	4,655	97	112	316
Textile, apparel, and leather products	313–16	7,452	296	226	714
Wood products	321	6,263	108	47	127
Paper	322	862	52	19 r	85
Printing and related support activities	323	16,565	63	35 r	36 r
Petroleum and coal products	324	336	20	65 r	71 r
Chemicals	325	4,513	642	842	2,605
Pesticide, fertilizer, and other agricultural chemicals	3253	343	66	61	154
Pharmaceuticals and medicines	3254	818	186	410	613
Soap, cleaning compound, and toilet preparation	3256	997	117	108	523
Other chemicals	other 325	2,355	273	263	1,315
Plastics and rubber products	326	4,249	401	303	875
Nonmetallic mineral products	327	4,519	145	90	243
Primary metals	331	1,187	113	63	745 r
Fabricated metal products	332	27,953	1,283	678	2,778
Machinery	333	10,529	1,399	1,286	3,729
Computer and electronic products	334	5,688	1,155	2,478	4,550
Communications equipment	3342	577	105	156	329
Semiconductor and other electronic components	3344	1,647	263	1,530 r	1,970 r
Navigational, measuring, electromedical, and control instruments	3345	2,366	633	619	1,931
Other computer and electronic products	other 334	1,097	154	174	319
Electrical equipment, appliances, and components	335	2,286	306	264	714
Transportation equipment	336	4,429	397	363	577
Automobiles, bodies, trailers, and parts	3361–63	2,633	215	279	308
Aerospace products and parts	3364	549	59	40	102
Other transportation	other 336	1,248	123	43	167
Furniture and related products	337	8,475	153	93	230
Miscellaneous	339	17,244	1,298	1,549	4,139
Medical equipment and supplies	3391	6,591	464	740	1,994
Other miscellaneous manufacturing	3399	10,653	834	809	2,145
Nonmanufacturing industries	11, 21–23, 42–81	3,361,961	32,382	45,612	103,088
Agriculture, forestry, fishing, and hunting	11	17,302	69	53 r	110 r
Mining, extraction, and support activities	21	11,395	92	146	277
Utilities	22	1,939	18	32	48
Construction	23	480,915	1,942	2,831	4,044
Wholesale trade	42	183,653	5,958	5,824	23,809
Retail trade	44–45	429,922	4,274	4,381	10,011
Transportation and warehousing	48–49	110,567	638	1,120 r	1,266
Information	51	40,871	1,503	2,782	2,641
Publishing	511	11,171	743	1,165	1,109
Newspaper, periodical, book, and directory publishers	5111	6,814	35	6 r	45
Software publishers	5112	4,357	707	1,158	1,064
Telecommunications	517	4,190	66	45	116
Data processing, hosting, and related services	518	5,490	402	1,281 r	837
Other information	other 51	20,021	293	292	579
Finance and insurance	52	168,797	468	2,072	3,199 r

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(Number)

Industry	NAICS code	All companies	Patenting companies	Patents pending	Patents owned
Real estate and rental and leasing	53	206,579	606	440	6,282 r
Lessors of nonfinancial intangible assets (except copyrighted works)	533	1,366	107	203	2,225
Other real estate and rental and leasing	other 53	205,214	499	237	4,057 r
Professional, scientific, and technical services	54	539,149	9,427	18,393	35,407
Legal services	5411	128,840	231	942 r	2,411 r
Accounting, tax preparation, bookkeeping, and payroll services	5412	86,610	163	53 r	150
Architectural, engineering, and related services	5413	64,939	2,244	3,682	9,328
Specialized design services	5414	22,998	260	194	920
Computer systems design and related services	5415	75,393	2,513	3,408	3,989
Management, scientific, and technical consulting services	5416	97,398	1,347	2,102	4,798
Scientific research and development services	5417	6,347	2,156	7,387	12,797
Advertising, public relations, and related services	5418	20,652	208	178	251
Other professional, scientific, and technical services	5419	35,969	306	447	764
Management of companies and enterprises	55	1,820	57	21 r	88 r
Administrative and support and waste management and remediation services	56	199,301	1,180	783	1,997
Educational services	61	37,216	470	287	722
Health care and social assistance	62	375,293	1,924	2,523	3,416
Health care services	621–23	338,794	1,719	1,984	3,144
Social assistance	624	36,499	205	539	271
Arts, entertainment, and recreation	71	54,102	403	357	395
Accommodation and food services	72	222,198	1,645	2,566 r	5,872
Other services	81	280,941	1,707	1,000	3,504

r = relative standard error &gt; 50%.

NAICS = 2017 North American Industry Classification System.

**Note(s):**

Detail may not add to total because of rounding. Industry classification is based on the dominant establishment payroll. Statistics are representative of companies located in the United States. Patenting companies include those that own patents and those that have applied for a patent.

**Source(s):**

National Center for Science and Engineering Statistics and U.S. Census Bureau, Annual Business Survey, 2017.