

TABLE 86-3

Patenting companies and total number of patent applications and patents currently owned for companies with 10 or more 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	1,102,633	32,598	287,821	930,410
Manufacturing industries	31–33	81,918	12,467	92,062	423,895
Food	311	6,427	420	1,698	6,361
Beverage and tobacco products	312	2,069	83	139	1,661
Textile, apparel, and leather products	313–16	3,117	391	1,617	3,286
Wood products	321	4,587	225	369	2,204
Paper	322	1,414	163	2,588	8,632
Printing and related support activities	323	5,338	194	304	6,343
Petroleum and coal products	324	288	63	325	1,507
Chemicals	325	3,396	941	7,499	42,426
Pesticide, fertilizer, and other agricultural chemicals	3253	199	52	645 r	1,688 i
Pharmaceuticals and medicines	3254	594	205	1,381	6,201
Soap, cleaning compound, and toilet preparation	3256	617	117	937	2,549
Other chemicals	other 325	1,986	566	4,536	31,989
Plastics and rubber products	326	4,164	964	3,931	19,246
Nonmetallic mineral products	327	3,502	287	1,715	9,730
Primary metals	331	1,492	231	700	1,574
Fabricated metal products	332	19,388	1,730	5,360	21,483
Machinery	333	8,264	2,513	20,899	89,246
Computer and electronic products	334	3,878	1,421	22,566	105,979
Communications equipment	3342	339	138	502	2,096
Semiconductor and other electronic components	3344	1,567	313	12,307	59,556
Navigational, measuring, electromedical, and control instruments	3345	1,592	811	7,626	31,346
Other computer and electronic products	other 334	381	158	2,131	12,981
Electrical equipment, appliances, and components	335	1,937	602	5,064	20,780
Transportation equipment	336	3,610	769	10,753	35,542
Automobiles, bodies, trailers, and parts	3361–63	2,385	470	7,731	27,992
Aerospace products and parts	3364	560	112	1,559	3,604
Other transportation	other 336	664	187	1,463	3,946
Furniture and related products	337	3,955	346	911	7,096
Miscellaneous	339	5,071	1,126	5,625	40,799
Medical equipment and supplies	3391	1,611	445	3,803	28,484
Other miscellaneous manufacturing	3399	3,460	681	1,822	12,315
Nonmanufacturing industries	11, 21–23, 42–81	1,020,716	20,131	195,759	506,515
Agriculture, forestry, fishing, and hunting	11	3,751	52	31 r	673 r
Mining, extraction, and support activities	21	4,151	221	5,329	10,032
Utilities	22	595	28	43	147
Construction	23	126,488	919	643	1,754
Wholesale trade	42	68,481	5,426	51,585	200,457
Retail trade	44–45	115,518	1,552	4,738	25,135
Transportation and warehousing	48–49	33,837	215	166	915
Information	51	15,181	1,984	45,444 i	111,700 i
Publishing	511	5,861	1,115	34,988 i	70,042 i
Newspaper, periodical, book, and directory publishers	5111	2,779	70	67 r	335
Software publishers	5112	3,081	1,045	34,921 i	69,707 i
Telecommunications	517	1,856	104	3,701	22,728
Data processing, hosting, and related services	518	2,924	511	1,963	3,895
Other information	other 51	4,542	253	4,793	15,034
Finance and insurance	52	23,548	285	5,293	7,029

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Real estate and rental and leasing	53	23,344	220	9,074	20,070
Lessors of nonfinancial intangible assets (except copyrighted works)	533	335	38	8,264	18,351
Other real estate and rental and leasing	other 53	23,009	182	810	1,718
Professional, scientific, and technical services	54	100,836	5,093	62,018	92,018
Legal services	5411	17,601	97	4,740	757 r
Accounting, tax preparation, bookkeeping, and payroll services	5412	13,172	68 r	32	146
Architectural, engineering, and related services	5413	18,552	1,144	4,844	11,314
Specialized design services	5414	2,142	123	320	556
Computer systems design and related services	5415	14,663	1,372	7,443	18,239
Management, scientific, and technical consulting services	5416	11,849	366	870	1,118
Scientific research and development services	5417	2,946	1,606	43,208	58,929
Advertising, public relations, and related services	5418	4,974	226	330 r	559
Other professional, scientific, and technical services	5419	14,938	93	233	400
Management of companies and enterprises	55	456 i	31 i	145 i	1,538
Administrative and support and waste management and remediation services	56	67,450	679	1,117	2,077
Educational services	61	14,072	197	2,813	8,311 i
Health care and social assistance	62	134,237	796	5,496	15,565
Health care services	621-23	108,275	730	5,462	15,475
Social assistance	624	25,962	67	34 r	90
Arts, entertainment, and recreation	71	20,154	116	112	397
Accommodation and food services	72	219,228	1,805	1,035	7,077
Other services	81	49,390	510	676	1,619

i = > 50% of the estimate is a combination of imputation and reweighting to account for nonresponse; r = relative standard error > 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.