

TABLE 52. New patent licensing agreements and total patent licensing revenue, by industry and company size: 2012

Industry and company size	NAICS code	Agreements (number) <sup>a</sup>	Revenue (US\$millions) <sup>b</sup>
All industries	21–23, 31–33, 42–81	2,938	23,889
Manufacturing industries	31–33	2,223	21,195
Food	311	125	255
Beverage and tobacco products	312	D	D
Textile, apparel, and leather products	313–16	D	25
Wood products	321	D	D
Paper	322	32	33
Printing and related support activities	323	D	9
Petroleum and coal products	324	D	171
Chemicals	325	950	7,623
Basic chemicals	3251	D	174
Resin, synthetic rubber, and artificial synthetic fibers and filaments	3252	21	92
Pesticide, fertilizer, and other agricultural chemical	3253	D	D
Pharmaceuticals and medicines	3254	136	4,521
Soap, cleaning compound, and toilet preparation	3256	6	448
Paint, coating, adhesive, and other chemicals	3255, 3259	D	D
Plastics and rubber products	326	97	581
Nonmetallic mineral products	327	16	169 i
Primary metals	331	18	9
Fabricated metal products	332	10	53
Machinery	333	172	537
Agricultural implement	33311	D	3
Semiconductor machinery	333295	26	45
Engine, turbine, and power transmission equipment	3336	D	354
Other machinery	other 333	D	135 i
Computer and electronic products	334	474	9,005
Communications equipment	3342	73	431
Semiconductor and other electronic components	3344	65	7,815
Navigational, measuring, electromedical, and control instruments	3345	307	404
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	D	D
Search, detection, navigation, guidance, aeronautical, and nautical system and instrument	334511	D	D
Other measuring and controlling device	other 3345	D	129
Other computer and electronic products	other 334	29	355
Electrical equipment, appliances, and components	335	53	809 i
Transportation equipment	336	91	497
Automobiles, bodies, trailers, and parts	3361–63	16	408
Aerospace products and parts	3364	75	33
Aircraft, aircraft engine, and aircraft parts	336411–13	D	25
Guided missile, space vehicle, and related parts	336414–15, 336419	D	7
Military armored vehicle, tank, and tank component	336992	0	0
Other transportation	other 336	0	56
Furniture and related products	337	D	3
Miscellaneous manufacturing	339	139	D
Medical equipment and supplies	3391	65	218
Other miscellaneous manufacturing	3399	74	D
Nonmanufacturing industries	21–23, 42–81	715	2,694
Mining, extraction, and support activities	21	13	150
Utilities	22	D	*
Wholesale trade	42	33	98
Electronic shopping and electronic auctions	454111–12	0	0
Transportation and warehousing	48–49	0	*
Information	51	376	898
Publishing	511	322	540
Newspaper, periodical, book, and directory publishers	5111	0	0
Software publishers	5112	322	540

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Telecommunications	517	10	190
Data processing, hosting, and related services	518	34	126
Other information	other 51	10	41
Finance and insurance	52	D	10
Real estate and rental and leasing	53	65	556
Lessors of nonfinancial intangible assets (except copyrighted works)	533	65	556
Other real estate and rental and leasing	other 53	0	0
Professional, scientific, and technical services	54	211	922
Architectural, engineering, and related services	5413	11	120
Computer systems design and related services	5415	78	245
Scientific research and development services	5417	109	541
Biotechnology research and development	541711	67	410
Physical, engineering, and life sciences (except biotechnology) research and development	541712	D	132
Social sciences and humanities research and development	541720	D	*
Other professional, scientific, and technical services	other 54	13	16
Health care services	621–23	D	25
Other nonmanufacturing	23, 44–45 (excluding 454111–12), 55–56, 624, 71–72, 81	9	36
All companies (number of domestic employees)	–	2,938	23,889
Small companies <sup>c</sup>			
5–499	–	782	2,894
5–99	–	272	1,012
5–49	–	113	409
5–9	–	16	39
10–24	–	51	178
25–49	–	46	192
50–99	–	159	603
100–249	–	319	806
250–499	–	191	1,075
Medium and large companies			
500–999	–	78	489
1,000–4,999	–	291	3,216
5,000–9,999	–	177	2,585
10,000–24,999	–	370	11,930
25,000 or more	–	1,240	2,775

\* = amount < \$500,000; D = data withheld to avoid disclosing operations of individual companies; i = > 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

NAICS = 2007 North American Industry Classification System.

<sup>a</sup> New agreements entered into during 2012. Statistics are based on companies in the United States that reported to the survey. These statistics do not include an adjustment to the weight to account for unit nonresponse.

<sup>b</sup> Amounts received from all patent licensing activities during 2012.

<sup>c</sup> The upper bound is based on the U.S. Small Business Administration's definition of a small business; the Business R&D and Innovation Survey does not include companies with fewer than five domestic employees.

NOTES: Statistics are representative of companies in the United States that were eligible to receive Form BRDI-1 and performed or funded R&D. Detail may not add to total because of rounding. The industry classification is based on the dominant business code for domestic R&D performance, where available. For companies that did not report business codes, the classification used for sampling was assigned.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, and U.S. Census Bureau, Business R&D and Innovation Survey, 2012.