

TABLE 55. Total patent licensing revenue to companies located in the United States that performed or funded R&D, by industry and company size: 2014

Industry and company size	NAICS code	Revenue <sup>a</sup> (US\$millions)
All industries	21–23, 31–33, 42–81	25,489
Manufacturing industries	31–33	23,184
Food	311	335 i
Beverages and tobacco products	312	D
Textiles, apparel, and leather products	313–16	99
Wood products	321	D
Paper	322	50
Printing and related support activities	323	1
Petroleum and coal products	324	7
Chemicals	325	7,601
Basic chemicals	3251	201
Resins, synthetic rubber, and artificial synthetic fibers and filaments	3252	D
Pesticides, fertilizers, and other agricultural chemicals	3253	D
Pharmaceuticals and medicines	3254	5,187
Soaps, cleaning compounds, and toilet preparations	3256	D
Paints, coatings, adhesives, and other chemicals	3255, 3259	D
Plastics and rubber products	326	579
Nonmetallic mineral products	327	105 i
Primary metals	331	1
Fabricated metal products	332	5
Machinery	333	667
Agricultural implements	33311	D
Semiconductor machinery	333295	59
Engines, turbines, and power transmission equipment	3336	D
Other machinery	other 333	590
Computer and electronic products	334	10,319
Communications equipment	3342	290 i
Semiconductor and other electronic components	3344	9,288
Navigational, measuring, electromedical, and control instruments	3345	403
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	22
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	101
Other measuring and controlling devices	other 3345	280
Other computer and electronic products	other 334	338
Electrical equipment, appliances, and components	335	720
Transportation equipment	336	1,079
Automobiles, bodies, trailers, and parts	3361–63	1,071
Aerospace products and parts	3364	5
Aircraft, aircraft engines, and aircraft parts	336411–13	4
Guided missiles, space vehicles, and related parts	336414–15, 336419	*
Military armored vehicles, tanks, and tank components	336992	0
Other transportation	other 336	3
Furniture and related products	337	24
Miscellaneous manufacturing	339	1,328
Medical equipment and supplies	3391	1,201
Other miscellaneous manufacturing	3399	127
Nonmanufacturing industries	21–23, 42–81	2,305
Mining, extraction, and support activities	21	231 i
Utilities	22	1
Wholesale trade	42	5
Electronic shopping and electronic auctions	454111–12	0
Transportation and warehousing	48–49	*
Information	51	1,403
Publishing	511	747
Newspaper, periodical, book, and directory publishers	5111	0

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Software publishers	5112	747
Telecommunications	517	D
Data processing, hosting, and related services	518	246
Other information	other 51	D
Finance and insurance	52	133
Real estate and rental and leasing	53	0
Lessors of nonfinancial intangible assets (except copyrighted works)	533	0
Other real estate and rental and leasing	other 53	0
Professional, scientific, and technical services	54	513
Architectural, engineering, and related services	5413	228
Computer systems design and related services	5415	43
Scientific R&D services	5417	160
Biotechnology R&D	541711	51
Physical, engineering, and life sciences (except biotechnology) R&D	541712	108
Social sciences and humanities R&D	541720	0
Other professional, scientific, and technical services	other 54	82
Health care services	621-23	6
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	15
All companies (number of domestic employees)	-	25,489
Small companies <sup>b</sup>		
5-499	-	1,821
5-99	-	512
5-49	-	225
5-9	-	5
10-24	-	116
25-49	-	104
50-99	-	287
100-249	-	661
250-499	-	648
Medium and large companies		
500-999	-	218
1,000-4,999	-	3,805
5,000-9,999	-	1,494
10,000-24,999	-	13,761
25,000 or more	-	4,390

\* = 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 = 2012 North American Industry Classification System.

<sup>a</sup> Amounts received from all patent licensing activities during 2014.

<sup>b</sup> 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. 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, 2014.