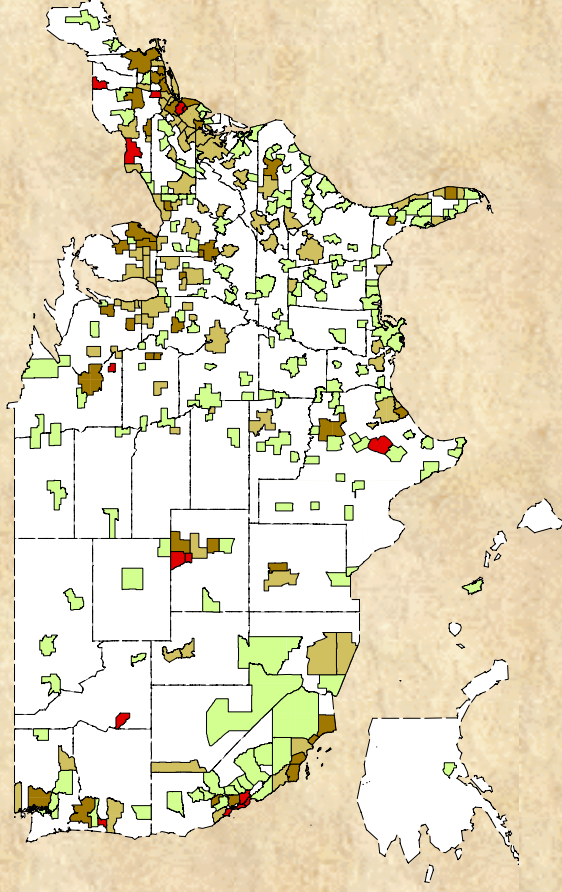


**UNITED STATES PATENT GRANTS---
Number of Grants per 100,000 Population,
By Metropolitan Area, 1998**



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UNITED STATES PATENT GRANTS—

Number of Grants per 100,000 Population, by Metropolitan Area, 1998

This report, prepared by the Technology Assessment and Forecast Branch of the United States Patent and Trademark Office (USPTO), presents the number of patent grants and the number of patents granted per 100,000 population in each metropolitan area in 1998. Levels of patent activity are provided in map and tabular presentations.

The geographic distribution of patents is based on the residence of the inventor whose name appears first on the printed patent. The types of patents included in this report include utility, design, and plant. Separate presentations are provided for utility and design patents granted to independent inventors (i.e., the patent was unassigned or assigned to an individual at the time of issue).

The patent data used to prepare this report were derived from the USPTO's Technology Assessment and Forecast database. Records in this relational database contain patent status and bibliographic information that is used by the Technology Assessment and Forecast Branch to develop statistical summaries of patent activity. A general description of the methodology used to generate the geographic distributions of patent activity in this report is contained in the sections that follow.

The population data used to compute patent counts per 100,000 population are the estimated populations of each metropolitan area on July 1, 1998. Data were obtained from the U.S. Census Bureau, Population Estimates Program, Population Division, Washington, DC 20233

For additional information about this report, or other patent data that are available from the Technology Assessment and Forecast Branch, please contact the Technology Assessment and Forecast Branch by telephone at (703) 306-2600, or by facsimile at (703) 306-2737. Technology Assessment and Forecast reports can be viewed or downloaded from our web site at <http://www.uspto.gov/web/offices/ac/ido/oeip/taf/tafp.html>. Written correspondence should be addressed to: USPTO, Technology Assessment and Forecast Branch, PK3--Suite 441, Washington, DC 20231

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Thematic maps that depict levels of patent activity within each metropolitan area are accompanied by tabular presentations that show: metropolitan area name, number of patents granted in 1998, population in 1998, and patents granted per 100,000 population. Maps and tabular presentations are provided for the following types of patent grants:

- Utility
- Design
- Plant
- Utility (independent inventors only)
- Design (independent inventors only)

DATA SOURCES AND METHODOLOGY

The distributions of patents by metropolitan area are derived from a distribution of patents at the county level. Unfortunately, the inventor county of residence seldom appears on patent records. Most patent records show only the inventor city and state of residence. Full address information, including zip code, is present only when an individual (as opposed to an organization) owns the patent. Less than one quarter of the patents awarded to U.S. resident inventors are individually owned. Therefore, a distribution of patents by county is, to a large extent, based on inventor city and state data.

The methodology used to determine inventor county of residence involves matching the inventor city, state, and zip code (if present) with corresponding data from a geographic reference file that also contains the county location of each combination of city, state, and zip code in the United States.

The geographic reference file used by USPTO to determine inventor county of residence contains 185,000 records that identify the city, state, zip code, and county location of populated places in the United States. This file was developed from three data sources:

- Federal Information Processing Standards Publication 55: Guideline: Codes for Named Populated Places, Primary County Divisions, and Other Locational Entities of the United States and Outlying Areas (Department of Commerce, National Institute of Standards and Technology);
- the *Geographic Names Information System* (U.S. Department of the Interior, U.S. Geological Survey); and
- a data file based on the 1990 City-State file developed by the United States Postal Service.

Additional records are continuously added to the geographic reference file to reflect naming conventions that frequently appear on patent records, such as abbreviations (e.g., “hghts.”, “heights” or “hts.”). New records for frequently misspelled city names (e.g., “Tucson” or “Tuscon”), and for new zip codes are also added to the reference file.

About 88% of utility patents can be associated with one specific county by matching inventor address information with records in the geographic reference file. The remaining 12% of utility patents contain inventor addresses that correspond to two or more counties. Usually, this situation occurs when the inventor address corresponds to a single, populated place that spans multiple counties. Occasionally, this situation can occur when the inventor address corresponds to two or more places within a state that share the same name. In some states, for example, the same township name can appear in ten or more counties.¹ A relatively small number of utility patents (.02% of total patents issued) can not be associated with any county due to insufficient or incorrect inventor address information.

The program that matches inventor address data to geographic reference data also assigns a weight to each patent to indicate the number of counties associated with that patent. When a patent is associated with a single county, the county weight equals “1.” When a patent is associated with multiple counties within a state, a fractional weight is assigned (e.g., .5 = two counties; .33 = three counties, etc.). Patent counts for each county are calculated from the sum of these weights. State and metropolitan area counts are calculated from the appropriate county totals.

¹ Although relatively few patents contain place names that correspond to multiple places within a single state, this can be a source of error in patent counts for some counties. This is particularly true if a larger city with a high volume of patent activity shares the same name as a small town with little or no patent activity (e.g., Mountain View, CA). The procedure for identifying these situations was to first identify any incorporated place, census designated place or minor civil division with a 1990 population of 2,500 or more inhabitants. These place names were then compared to place names on the geographic reference file to identify multiple places with the same name within each state. The resulting place names were queried on USPTO’s Automated Patent System to determine if patents were issued to inventors in one or more of the places with the same name. The residence of other inventors and assignees was used to determine the probable geographic location of each patent. If research indicated high patent activity was concentrated in some, but not all of the locations, duplicate place names without patent activity were deleted from the geographic reference file.

METROPOLITAN AREAS

The numbers of patents awarded to inventors within a county do not necessarily reflect the level of inventive activity that is occurring within that county. County totals are based on inventor county of *residence*, which is not necessarily the same as the inventor county of employment. A distribution of patent activity by metropolitan area is, by definition, more likely to encompass residential and employment areas.

A metropolitan area is a geographic area that contains a large population nucleus, plus surrounding communities with a high degree of social and economic integration with that population nucleus. At a minimum, the population nucleus consists of a city or urbanized area with a population of at least 50,000 inhabitants.

The Office of Management and Budget established criteria to define several categories of metropolitan areas. These criteria consider factors such as percent urban, population density, and patterns of commuting to work to establish the limits of the metropolitan area. With the exception of the New England region, the geographic limits of a metropolitan area are defined by county boundaries. This facilitates the comparison of various socio-economic data that are compiled at the county level. In the New England region, cities and towns have a high degree of administrative importance and these are typically used to define the boundaries of a metropolitan area. One exception is the New England County Metropolitan Area (NECMA). The limits of a NECMA are defined by county boundaries, instead of cities and towns, in order to facilitate analysis of socio-economic data that can not be compiled at the sub-county level.

Other categories of metropolitan area include the Metropolitan Statistical Area (MSA), formerly known as a Standard Metropolitan Statistical Area, the Consolidated Metropolitan Statistical Area (CMSA), and the Primary Metropolitan Statistical Area (PMSA). Generally, an MSA includes a city or urban area with at least 50,000 inhabitants, plus surrounding counties (or subcounties in New England) with metropolitan characteristics. The CMSA is a much larger metropolitan area with at least one million inhabitants and which meets certain other definitional criteria. CMSAs are composed of PMSAs and PMSAs are composed of counties (or subcounties in New England).

New metropolitan areas can be established or the geographic composition of current metropolitan areas can occur each year. The metropolitan areas identified in this report were announced by the Office of Management and Budget and were effective July 1, 1999. Some metropolitan areas in this report may not have been established in 1998.

Number of UTILITY patents granted per 100,000 population, by metropolitan area, 1998

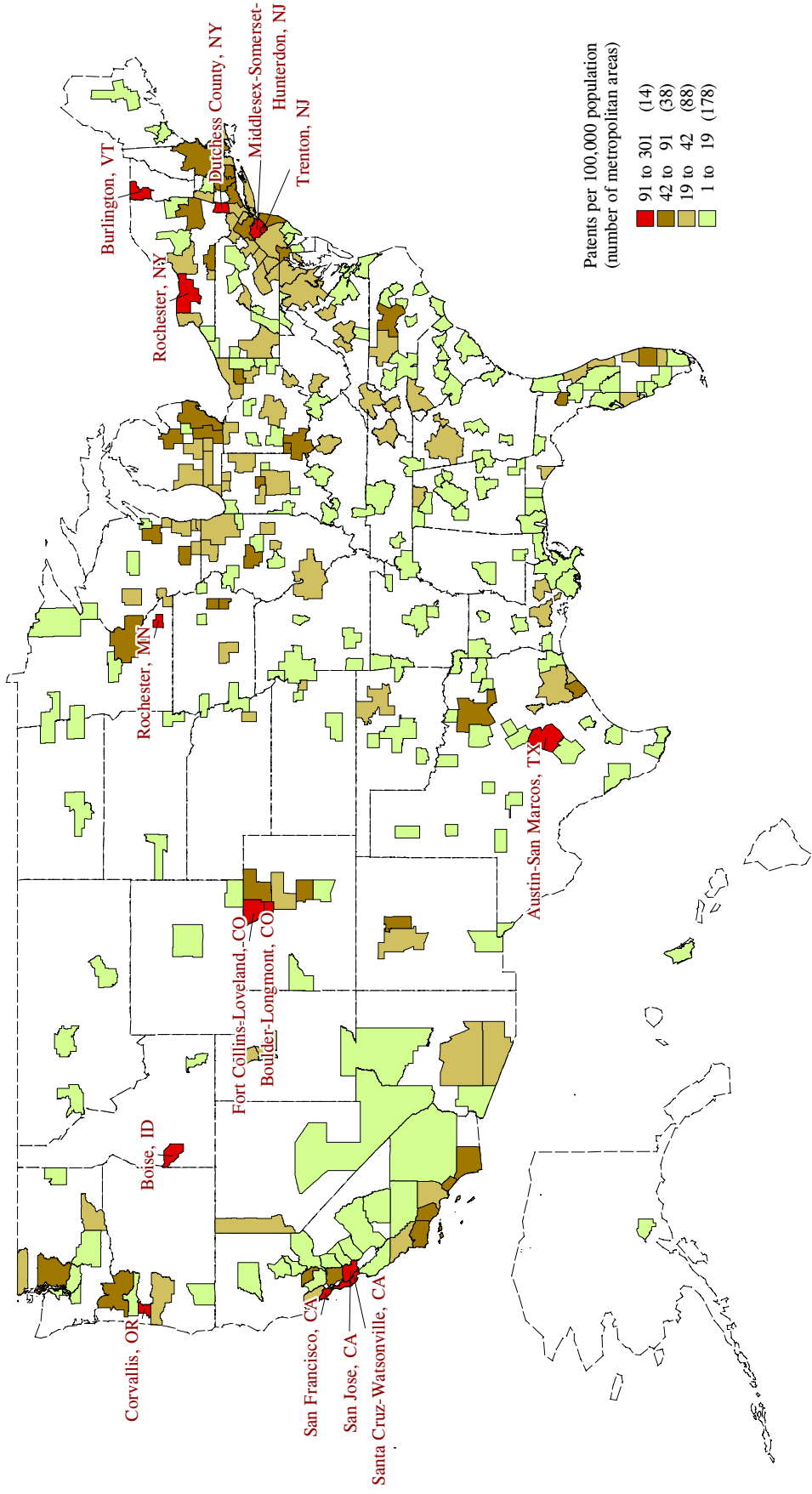


Table 1. Number of UTILITY Patents Granted per 100,000 Population, by Metropolitan Area, 1998

Metropolitan areas are based on definitions effective July 1, 1999. MSA =metropolitan statistical area; NECMA =New England county metropolitan area; PMSA =primary metropolitan statistical area. The geographic distribution of patents is based on the residence of the first-named inventor.

| Metro Area Name | Utility | | | Metro Area Name | Utility | | |
|---|-----------------|-----------------|-----------------------|------------------------------------|-----------------|-----------------|-----------------------|
| | Patents Granted | Population 1998 | Patents per 100K pop. | | Patents Granted | Population 1998 | Patents per 100K pop. |
| San Jose, CA PMSA | 4931 | 1,641,215 | 300.4 | Appleton-Oshkosh-Neenah, WI MSA | 193 | 344,464 | 56.0 |
| Boise City, ID MSA | 748 | 395,953 | 188.9 | Kokomo, IN MSA | 56 | 100,176 | 55.9 |
| Rochester, MN MSA | 209 | 116,702 | 179.1 | Seattle-Bellevue-Everett, WA PMSA | 1275 | 2,312,978 | 55.1 |
| Boulder-Longmont, CO PMSA | 446 | 267,274 | 166.9 | Orange County, CA PMSA | 1484 | 2,721,701 | 54.5 |
| Rochester, NY MSA | 1749 | 1,081,883 | 161.7 | Greeley, CO PMSA | 86 | 159,429 | 53.9 |
| Corvallis, OR MSA | 109 | 77,755 | 140.2 | Albany-Schenectady-Troy, NY MSA | 467 | 871,604 | 53.6 |
| Austin-San Marcos, TX MSA | 1440 | 1,105,909 | 130.2 | Yolo, CA PMSA | 81 | 153,849 | 52.6 |
| Burlington, VT NECMA | 246 | 192,895 | 127.5 | Santa Fe, NM MSA | 74 | 141,730 | 52.2 |
| Dutchess County, NY PMSA | 329 | 265,317 | 124.0 | New London-Norwich, CT NECMA | 128 | 245,740 | 52.1 |
| Fort Collins-Loveland, CO MSA | 271 | 231,221 | 117.2 | Portland-Vancouver, OR-WA PMSA | 948 | 1,818,955 | 52.1 |
| Trenton, NJ PMSA | 361 | 331,629 | 108.9 | Newark, NJ PMSA | 1014 | 1,952,407 | 51.9 |
| San Francisco, CA PMSA | 1705 | 1,683,309 | 101.3 | Gainesville, FL MSA | 102 | 198,662 | 51.3 |
| Santa Cruz-Watsonville, CA PMSA | 243 | 242,994 | 100.0 | Peoria-Pekin, IL MSA | 177 | 344,779 | 51.3 |
| Middlesex-Somerset-Hunterdon, NJ PMSA | 1027 | 1,121,504 | 91.6 | Brazoria, TX PMSA | 116 | 230,335 | 50.4 |
| Binghamton, NY MSA | 191 | 249,022 | 76.7 | Cedar Rapids, IA MSA | 92 | 182,651 | 50.4 |
| Raleigh-Durham-Chapel Hill, NC MSA | 828 | 1,079,873 | 76.7 | Dallas, TX PMSA | 1471 | 3,209,886 | 45.8 |
| Wilmington-Newark, DE-MD PMSA | 413 | 565,329 | 73.1 | Iowa City, IA MSA | 47 | 102,724 | 45.8 |
| Minneapolis-St. Paul, MN-WI MSA | 2051 | 2,831,234 | 72.4 | Hartford, CT NECMA | 507 | 1,110,065 | 45.7 |
| Ann Arbor, MI PMSA | 388 | 547,646 | 70.8 | West Palm Beach-Boca Raton, FL MSA | 472 | 1,032,625 | 45.7 |
| Oakland, CA PMSA | 1461 | 2,318,522 | 63.0 | Monmouth-Ocean, NJ PMSA | 497 | 1,093,253 | 45.5 |
| Boston-Worcester-Lawrence-Lowell-Brockton, MA-NH NECMA | 3687 | 5,867,187 | 62.8 | Cincinnati, OH-KY-IN PMSA | 714 | 1,617,836 | 44.1 |
| New Haven-Bridgeport-Stamford-Danbury-Waterbury, CT NECMA | 1024 | 1,631,866 | 62.8 | Ventura, CA PMSA | 320 | 731,967 | 43.7 |
| Santa Barbara-Santa Maria-Lompoc, CA MSA | 241 | 389,502 | 61.9 | Akron, OH PMSA | 298 | 688,952 | 43.3 |
| Saginaw-Bay City-Midland, MI MSA | 246 | 401,991 | 61.2 | Detroit, MI PMSA | 1913 | 4,473,853 | 42.8 |
| Madison, WI MSA | 258 | 424,586 | 60.8 | Phoenix-Mesa, AZ MSA | 1182 | 2,931,004 | 40.3 |
| San Diego, CA MSA | 1673 | 2,780,592 | 60.2 | Sheboygan, WI MSA | 44 | 110,170 | 39.9 |
| Hamilton-Middletown, OH PMSA | 190 | 330,428 | 57.5 | Allentown-Bethlehem-Easton, PA MSA | 244 | 616,877 | 39.6 |
| Colorado Springs, CO MSA | 278 | 490,378 | 56.7 | Elmira, NY MSA | 36 | 92,021 | 39.1 |
| | | | | Racine, WI PMSA | 71 | 186,119 | 38.1 |
| | | | | Lafayette, IN MSA | 65 | 172,220 | 37.7 |

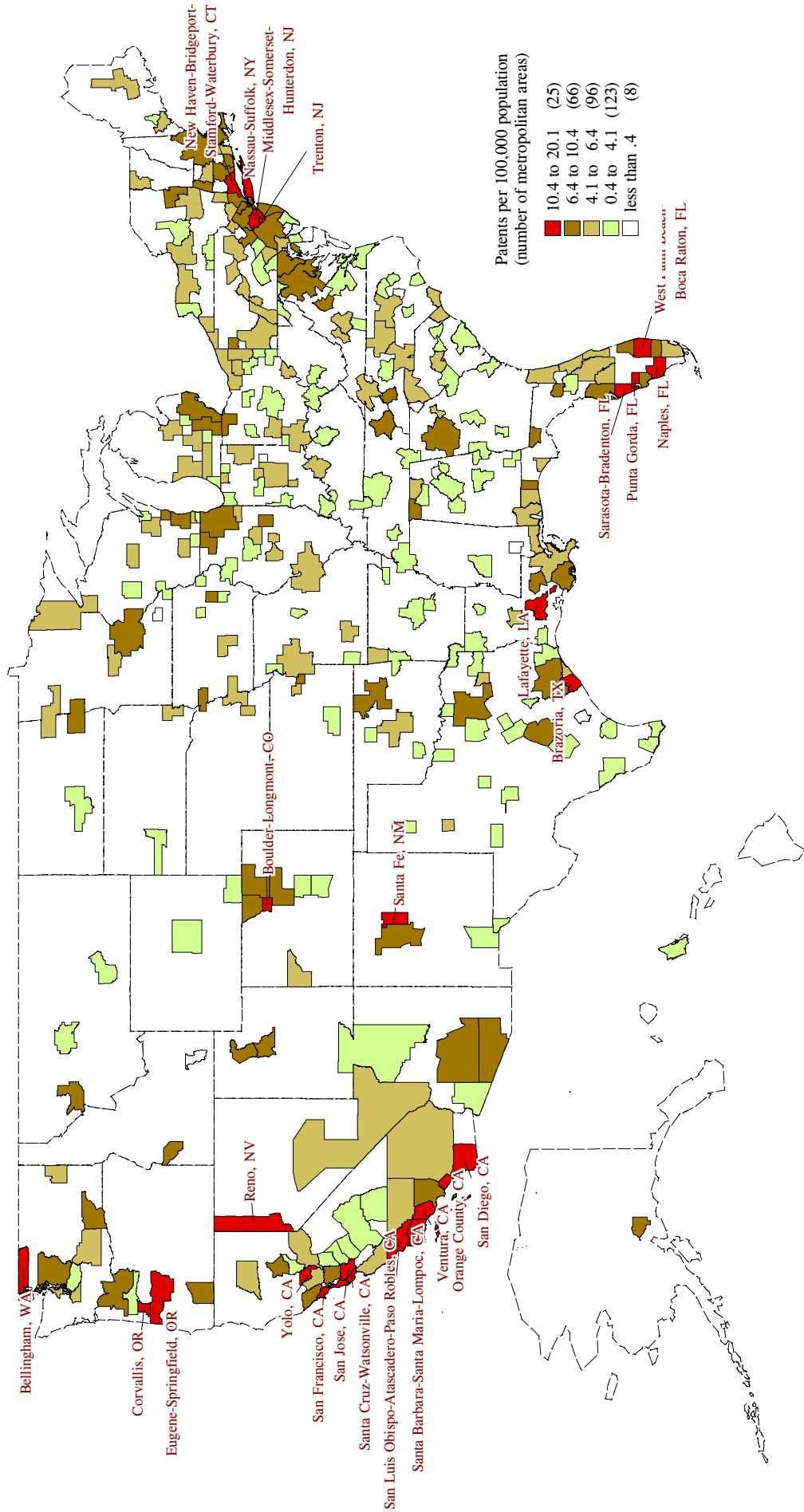
| Metro Area Name | Utility Patents | | Patents per 100K pop. | | Metro Area Name | Utility Patents | | Patents per 100K pop. | |
|---|-----------------|-----------------|-----------------------|------|--|-----------------|-----------------|-----------------------|------|
| | Granted | Population 1998 | Population 1998 | pop. | | Granted | Population 1998 | Population 1998 | pop. |
| Chicago, IL PMSA | 2959 | 7,939,351 | 37.3 | 37.3 | Knoxville, TN MSA | 182 | 659,074 | 27.6 | 27.6 |
| Salt Lake City-Ogden, UT MSA | 472 | 1,267,745 | 37.2 | 37.2 | Washington, DC-MD-VA-WV PMSA | 1292 | 4,673,902 | 27.6 | 27.6 |
| Houston, TX PMSA | 1445 | 3,931,688 | 36.8 | 36.8 | Baton Rouge, LA MSA | 158 | 575,129 | 27.5 | 27.5 |
| Daytona Beach, FL MSA | 348 | 948,522 | 36.7 | 36.7 | Benton Harbor, MI MSA | 44 | 160,245 | 27.5 | 27.5 |
| Rockford, IL MSA | 131 | 356,887 | 36.7 | 36.7 | Provo-Orem, UT MSA | 92 | 335,635 | 27.4 | 27.4 |
| Indianapolis, IN MSA | 556 | 1,519,194 | 36.6 | 36.6 | Buffalo-Niagra Falls, NY MSA | 315 | 1,152,541 | 27.3 | 27.3 |
| Bergen-Passaic, NJ PMSA | 481 | 1,344,266 | 35.8 | 35.8 | Bryan-College Station, TX MSA | 36 | 133,407 | 27.0 | 27.0 |
| Grand Rapids-Muskegon-Holland, MI MSA | 368 | 1,037,933 | 35.5 | 35.5 | Kalamazoo-Battle Creek, MI MSA | 120 | 446,331 | 26.9 | 26.9 |
| Philadelphia, PA-NJ PMSA | 1758 | 4,946,562 | 35.5 | 35.5 | San Luis Obispo-Atascadero-Paso Robles, CA MSA | 63 | 234,366 | 26.9 | 26.9 |
| Milwaukee-Waukesha, WI PMSA | 502 | 1,459,805 | 34.4 | 34.4 | Bellingham, WA MSA | 42 | 156,830 | 26.8 | 26.8 |
| Cleveland-Lorain-Elyria, OH PMSA | 755 | 2,222,731 | 34.0 | 34.0 | Lancaster, PA MSA | 121 | 456,414 | 26.5 | 26.5 |
| Richland-Kennewick-Pasco, WA MSA | 62 | 182,709 | 33.9 | 33.9 | Newburgh, NY-PA PMSA | 98 | 369,392 | 26.5 | 26.5 |
| Slate College, PA MSA | 45 | 132,700 | 33.9 | 33.9 | Decatur, IL MSA | 30 | 113,772 | 26.4 | 26.4 |
| Albuquerque, NM MSA | 228 | 678,633 | 33.6 | 33.6 | Baltimore, MD PMSA | 647 | 2,483,952 | 26.0 | 26.0 |
| Champaign-Urbana, IL MSA | 56 | 167,788 | 33.4 | 33.4 | Johnson City-Kingsport-Bristol, TN-VA MSA | 120 | 462,345 | 26.0 | 26.0 |
| Eau Claire, WI MSA | 48 | 143,861 | 33.4 | 33.4 | Lansing-East Lansing, MI MSA | 116 | 449,683 | 25.8 | 25.8 |
| Huntsville, AL MSA | 110 | 340,428 | 32.3 | 32.3 | Jackson, MI MSA | 40 | 156,157 | 25.6 | 25.6 |
| Charlottesville, VA MSA | 48 | 149,190 | 32.2 | 32.2 | Los Angeles-Long Beach, CA PMSA | 2335 | 9,213,533 | 25.3 | 25.3 |
| Reno, NV MSA | 101 | 313,660 | 32.2 | 32.2 | Janesville-Beloit, WI MSA | 38 | 150,736 | 25.2 | 25.2 |
| Tucson, AZ MSA | 250 | 790,755 | 31.6 | 31.6 | York, PA MSA | 94 | 373,255 | 25.2 | 25.2 |
| Pittsburgh, PA MSA | 736 | 2,346,153 | 31.4 | 31.4 | Lawrence, KS MSA | 23 | 93,137 | 24.7 | 24.7 |
| Canton-Massillon, OH MSA | 124 | 402,207 | 30.8 | 30.8 | Galveston-Texas City TX PMSA | 60 | 245,556 | 24.4 | 24.4 |
| Melbourne-Titusville-Palm Bay, FL MSA | 143 | 466,093 | 30.7 | 30.7 | Providence-Warwick-Pawtucket, RI NECMA | 221 | 905,612 | 24.4 | 24.4 |
| Athens, GA MSA | 42 | 138,679 | 30.3 | 30.3 | Reading, PA MSA | 87 | 355,956 | 24.4 | 24.4 |
| Toledo, OH MSA | 185 | 609,935 | 30.3 | 30.3 | Tulsa, OK MSA | 189 | 776,906 | 24.3 | 24.3 |
| Denver, CO PMSA | 581 | 1,938,642 | 30.0 | 30.0 | Eugene-Springfield, OR MSA | 76 | 314,068 | 24.2 | 24.2 |
| Parkersburg-Marietta, WV-OH MSA | 45 | 150,181 | 30.0 | 30.0 | Syracuse, NY MSA | 176 | 734,640 | 24.0 | 24.0 |
| Elkhart-Goshen, IN MSA | 51 | 172,310 | 29.6 | 29.6 | Panama City, FL MSA | 35 | 146,999 | 23.8 | 23.8 |
| South Bend, IN MSA | 76 | 258,088 | 29.4 | 29.4 | Barnstable-Yarmouth, MA NECMA | 49 | 208,418 | 23.5 | 23.5 |
| Des Moines, IA MSA | 128 | 436,922 | 29.3 | 29.3 | Harrisburg-Lebanon-Carlisle, PA MSA | 145 | 616,031 | 23.5 | 23.5 |
| Lincoln, NE MSA | 69 | 235,589 | 29.3 | 29.3 | Columbus, OH MSA | 342 | 1,469,604 | 23.3 | 23.3 |
| Lynchburg, VA MSA | 61 | 208,039 | 29.3 | 29.3 | Fort Lauderdale, FL PMSA | 349 | 1,503,407 | 23.2 | 23.2 |
| Fort Wayne, IN MSA | 140 | 481,191 | 29.1 | 29.1 | Pittsfield, MA NECMA | 30 | 133,038 | 22.5 | 22.5 |
| St. Louis, MO-IL MSA | 743 | 2,563,801 | 29.0 | 29.0 | Asheville, NC MSA | 47 | 213,629 | 22.0 | 22.0 |
| Lexington, KY MSA | 129 | 449,645 | 28.7 | 28.7 | Charleston, WV MSA | 55 | 253,175 | 21.7 | 21.7 |
| Nassau-Suffolk, NY PMSA | 768 | 2,673,489 | 28.7 | 28.7 | Fort Pierce-Port St. Lucie, FL MSA | 64 | 295,118 | 21.7 | 21.7 |
| Greenville-Spartanburg-Anderson, SC MSA | 261 | 918,351 | 28.4 | 28.4 | Kenosha, WI PMSA | 31 | 144,339 | 21.5 | 21.5 |
| Santa Rosa, CA PMSA | 122 | 433,304 | 28.2 | 28.2 | Roanoke, VA MSA | 48 | 227,828 | 21.1 | 21.1 |
| Atlanta, GA MSA | 1034 | 3,746,059 | 27.6 | 27.6 | La Crosse, WI-MN MSA | 25 | 121,832 | 20.5 | 20.5 |

| Metro Area Name | Utility Patents | | Patents per 100K pop. | | Metro Area Name | Utility Patents | | Patents per 100K pop. | |
|---|-----------------|-----------------|-----------------------|------|--|-----------------|-----------------|-----------------------|------|
| | Granted | Population 1998 | Population 1998 | pop. | | Granted | Population 1998 | Population 1998 | pop. |
| Sarasota-Bradenton, FL MSA | 111 | 543,082 | 20.4 | 20.4 | Youngstown-Warren, OH MSA | 85 | 591,752 | 14.4 | 14.4 |
| New York, NY PMSA | 1749 | 8,692,782 | 20.1 | 20.1 | Hickory-Morganton-Lenoir, NC MSA | 46 | 322,608 | 14.3 | 14.3 |
| Greensboro--Winston-Salem--High Point, NC MSA | 234 | 1,167,629 | 20.0 | 20.0 | Jersey City, NJ PMSA | 79 | 557,159 | 14.2 | 14.2 |
| Lafayette, LA MSA | 74 | 375,718 | 19.7 | 19.7 | Davenport-Moline-Rock Island, IA-IL MSA | 50 | 357,813 | 14.0 | 14.0 |
| Sacramento, CA PMSA | 289 | 1,531,963 | 18.9 | 18.9 | Flint, MI PMSA | 61 | 436,084 | 14.0 | 14.0 |
| Charlotte-Gastonia-Rock Hill, NC-SC MSA | 257 | 1,383,080 | 18.6 | 18.6 | Charleston-North Charleston, SC MSA | 75 | 541,159 | 13.9 | 13.9 |
| Columbia, MO MSA | 24 | 129,098 | 18.6 | 18.6 | Kansas City, MO-KS MSA | 240 | 1,737,025 | 13.8 | 13.8 |
| Fort Worth-Arlington, TX PMSA | 297 | 1,592,577 | 18.6 | 18.6 | Tallahassee, FL MSA | 36 | 261,021 | 13.8 | 13.8 |
| Erie, PA MSA | 51 | 276,401 | 18.5 | 18.5 | Jacksonville, FL MSA | 141 | 1,044,684 | 13.5 | 13.5 |
| Sherman-Denison, TX MSA | 19 | 102,815 | 18.5 | 18.5 | Memphis, TN-AR-MS MSA | 145 | 1,093,427 | 13.3 | 13.3 |
| Springfield, MA NECMA | 109 | 588,993 | 18.5 | 18.5 | Columbia, SC MSA | 67 | 512,316 | 13.1 | 13.1 |
| Wilmington, NC MSA | 40 | 218,248 | 18.3 | 18.3 | Richmond-Petersburg, VA MSA | 125 | 957,032 | 13.0 | 13.0 |
| Greenville, NC MSA | 23 | 126,630 | 18.2 | 18.2 | Scranton--Wilkes-Barre--Hazleton, PA MSA | 80 | 615,491 | 13.0 | 13.0 |
| Missoula, MT MSA | 16 | 88,989 | 18.0 | 18.0 | San Antonio, TX MSA | 197 | 1,538,338 | 12.8 | 12.8 |
| Williamsport, PA MSA | 21 | 117,308 | 17.9 | 17.9 | Casper, WY MSA | 8 | 63,341 | 12.6 | 12.6 |
| Portland, ME NECMA | 45 | 253,582 | 17.7 | 17.7 | Fayetteville-Springdale-Rogers, AR MSA | 34 | 272,616 | 12.5 | 12.5 |
| Naples, FL MSA | 35 | 199,436 | 17.5 | 17.5 | Oklahoma City, OK MSA | 130 | 1,038,999 | 12.5 | 12.5 |
| Bloomington, IN MSA | 20 | 115,130 | 17.4 | 17.4 | Salinas, CA MSA | 45 | 365,605 | 12.3 | 12.3 |
| Sioux City, IA-NE MSA | 21 | 120,464 | 17.4 | 17.4 | St. Cloud, MN MSA | 20 | 162,222 | 12.3 | 12.3 |
| Evansville-Henderson, IN-KY MSA | 49 | 290,757 | 16.9 | 16.9 | Vallejo-Fairfield-Napa, CA PMSA | 61 | 496,703 | 12.3 | 12.3 |
| Tampa-St. Petersburg-Clearwater, FL MSA | 382 | 2,256,559 | 16.9 | 16.9 | Anchorage, AK MSA | 31 | 254,982 | 12.2 | 12.2 |
| Fargo-Moorhead, ND-MN MSA | 28 | 168,431 | 16.6 | 16.6 | Spokane, WA MSA | 50 | 408,669 | 12.2 | 12.2 |
| Flagstaff, AZ-UT MSA | 20 | 120,371 | 16.6 | 16.6 | Joplin, MO MSA | 18 | 148,684 | 12.1 | 12.1 |
| Glens Falls, NY MSA | 20 | 121,742 | 16.4 | 16.4 | Louisville, KY-IN MSA | 121 | 999,267 | 12.1 | 12.1 |
| Sharon, PA MSA | 20 | 121,938 | 16.4 | 16.4 | Omaha, NE-IA MSA | 84 | 693,900 | 12.1 | 12.1 |
| Punta Gorda, FL MSA | 22 | 134,899 | 16.3 | 16.3 | Longview-Marshall, TX MSA | 25 | 208,988 | 12.0 | 12.0 |
| Medford-Ashland, OR MSA | 28 | 173,123 | 16.2 | 16.2 | Jackson, TN MSA | 12 | 100,654 | 11.9 | 11.9 |
| Bremerton, WA PMSA | 37 | 232,623 | 15.9 | 15.9 | Tyler, TX MSA | 20 | 168,783 | 11.8 | 11.8 |
| Jamestown, NY MSA | 22 | 138,103 | 15.9 | 15.9 | Waterloo-Cedar Falls, IA MSA | 14 | 121,121 | 11.6 | 11.6 |
| Fort Myers-Cape Coral, FL MSA | 62 | 392,895 | 15.8 | 15.8 | Dayton-Springfield, OH MSA | 54 | 470,864 | 11.5 | 11.5 |
| Green Bay, WI MSA | 34 | 215,373 | 15.8 | 15.8 | Chatanooga, TN-GA MSA | 51 | 450,283 | 11.3 | 11.3 |
| Bloomington-Normal, IL MSA | 22 | 142,652 | 15.4 | 15.4 | Chico-Paradise, CA MSA | 22 | 194,597 | 11.3 | 11.3 |
| Wausau, WI MSA | 19 | 123,223 | 15.4 | 15.4 | Riverside-San Bernardino, CA PMSA | 353 | 3,114,072 | 11.3 | 11.3 |
| Utica-Rome, NY MSA | 45 | 294,677 | 15.3 | 15.3 | Grand Forks, ND-MN MSA | 11 | 97,823 | 11.2 | 11.2 |
| Florence, SC MSA | 19 | 124,904 | 15.2 | 15.2 | Nashville, TN MSA | 129 | 1,156,225 | 11.2 | 11.2 |
| Orlando, FL MSA | 229 | 1,504,569 | 15.2 | 15.2 | Ocala, FL MSA | 27 | 241,513 | 11.2 | 11.2 |
| Wichita, KS MSA | 82 | 544,343 | 15.1 | 15.1 | Salem, OR PMSA | 37 | 330,101 | 11.2 | 11.2 |
| Auburn-Opelika, AL MSA | 15 | 100,444 | 14.9 | 14.9 | Sioux Falls, SD MSA | 18 | 163,422 | 11.0 | 11.0 |
| Dubuque, IA MSA | 13 | 87,806 | 14.8 | 14.8 | Jackson, MS MSA | 47 | 429,614 | 10.9 | 10.9 |

| Metro Area Name | Utility Patents | | Patents per 100K pop. | | Metro Area Name | Utility Patents | | Patents per 100K pop. | |
|--|-----------------|-----------------|-----------------------|---------------|---------------------------------------|-----------------|-----------------|-----------------------|---------------|
| | Granted | Population 1998 | Population 1998 | per 100K pop. | | Granted | Population 1998 | Population 1998 | per 100K pop. |
| Kankakee, IL PMSA | 11 | 102,107 | 102,107 | 10.8 | Modesto, CA MSA | 35 | 426,460 | 426,460 | 8.2 |
| Terre Haute, IN MSA | 16 | 148,628 | 148,628 | 10.8 | Duluth-Superior, MN-WI MSA | 19 | 236,464 | 236,464 | 8.0 |
| Las Vegas, NV-AZ MSA | 141 | 1,321,546 | 1,321,546 | 10.7 | Stockton-Lodi, CA MSA | 44 | 550,445 | 550,445 | 8.0 |
| Miami, FL PMSA | 231 | 2,152,437 | 2,152,437 | 10.7 | Wichita Falls, TX MSA | 11 | 137,237 | 137,237 | 8.0 |
| Lubbock, TX MSA | 24 | 229,475 | 229,475 | 10.5 | Alexandria, LA MSA | 10 | 126,763 | 126,763 | 7.9 |
| Mobile, AL MSA | 56 | 532,257 | 532,257 | 10.5 | Lake Charles, LA MSA | 14 | 180,330 | 180,330 | 7.8 |
| Springfield, MO MSA | 32 | 304,863 | 304,863 | 10.5 | Springfield, IL MSA | 16 | 203,847 | 203,847 | 7.8 |
| Stuebenville-Weirton, OH-WV MSA | 14 | 134,535 | 134,535 | 10.4 | Cheyenne, WY MSA | 6 | 78,872 | 78,872 | 7.6 |
| Bakersfield, CA MSA | 65 | 631,459 | 631,459 | 10.3 | Olympia, WA PMSA | 15 | 202,255 | 202,255 | 7.4 |
| Hagerstown, MD PMSA | 13 | 127,352 | 127,352 | 10.2 | Killeen-Temple, TX MSA | 22 | 301,449 | 301,449 | 7.3 |
| New Orleans, LA MSA | 131 | 1,309,445 | 1,309,445 | 10.0 | Hattiesburg, MS MSA | 8 | 111,252 | 111,252 | 7.2 |
| Mansfield, OH MSA | 17 | 174,559 | 174,559 | 9.7 | Macon, GA MSA | 23 | 319,502 | 319,502 | 7.2 |
| Yakima, WA MSA | 21 | 218,062 | 218,062 | 9.6 | Tacoma-WA PMSA | 49 | 676,505 | 676,505 | 7.2 |
| Florence, AL MSA | 13 | 137,271 | 137,271 | 9.5 | Grand Junction, CO MSA | 8 | 112,891 | 112,891 | 7.1 |
| Houma, LA MSA | 18 | 193,858 | 193,858 | 9.3 | Savannah, GA MSA | 19 | 285,508 | 285,508 | 6.7 |
| Johnstown, PA MSA | 22 | 236,347 | 236,347 | 9.3 | Shreveport-Bossier City, LA MSA | 25 | 378,641 | 378,641 | 6.6 |
| Norfolk-Virginia Beach-Newport News, VA-NC MSA | 143 | 1,542,143 | 1,542,143 | 9.3 | St. Joseph, MO MSA | 6 | 97,338 | 97,338 | 6.2 |
| Atlantic-Cape May, NJ PMSA | 31 | 336,116 | 336,116 | 9.2 | Altoona, PA MSA | 8 | 130,615 | 130,615 | 6.1 |
| Amarillo, TX MSA | 19 | 208,607 | 208,607 | 9.1 | Fresno, CA MSA | 53 | 870,478 | 870,478 | 6.1 |
| Decatur, AL MSA | 13 | 142,816 | 142,816 | 9.1 | Huntington-Ashland, WV-KY-OH MSA | 19 | 313,922 | 313,922 | 6.1 |
| Topeka, KS MSA | 15 | 165,348 | 165,348 | 9.1 | Monroe, LA MSA | 9 | 146,979 | 146,979 | 6.1 |
| Dothan, AL MSA | 12 | 134,749 | 134,749 | 8.9 | Lewiston-Auburn, ME NECMA | 6 | 101,280 | 101,280 | 5.9 |
| Dover, DE MSA | 11 | 124,089 | 124,089 | 8.9 | Waco, TX MSA | 12 | 203,446 | 203,446 | 5.9 |
| Fort Walton Beach, FL MSA | 15 | 169,289 | 169,289 | 8.9 | Lima, OH MSA | 9 | 154,242 | 154,242 | 5.8 |
| Las Cruces, NM MSA | 15 | 169,165 | 169,165 | 8.9 | Biloxi-Gulfport-Pascagoula, MS MSA | 20 | 349,218 | 349,218 | 5.7 |
| Beaumont-Port Arthur, TX MSA | 33 | 375,564 | 375,564 | 8.8 | Bangor, ME NECMA | 8 | 142,323 | 142,323 | 5.6 |
| Gary, IN PMSA | 55 | 624,049 | 624,049 | 8.8 | Danville, VA MSA | 6 | 108,252 | 108,252 | 5.5 |
| Birmingham, AL MSA | 79 | 908,508 | 908,508 | 8.7 | Honolulu, HI MSA | 47 | 872,478 | 872,478 | 5.4 |
| Muncie, IN MSA | 10 | 116,828 | 116,828 | 8.6 | Montgomery, AL MSA | 17 | 321,781 | 321,781 | 5.3 |
| Myrtle Beach, SC MSA | 15 | 174,762 | 174,762 | 8.6 | Great Falls, MT MSA | 4 | 78,983 | 78,983 | 5.1 |
| Odessa-Midland, TX MSA | 21 | 245,376 | 245,376 | 8.6 | Clarksville-Hopkinsville, TN-KY MSA | 10 | 199,758 | 199,758 | 5.0 |
| Corpus Christi, TX MSA | 33 | 387,733 | 387,733 | 8.5 | San Angelo, TX MSA | 5 | 102,775 | 102,775 | 4.9 |
| Redding, CA MSA | 14 | 164,349 | 164,349 | 8.5 | Victoria, TX MSA | 4 | 82,650 | 82,650 | 4.8 |
| Wheeling, WV-OH MSA | 13 | 152,903 | 152,903 | 8.5 | Sumter, SC MSA | 5 | 107,127 | 107,127 | 4.7 |
| Lakeland-Winter Haven, FL MSA | 38 | 452,584 | 452,584 | 8.4 | Pueblo, CO MSA | 6 | 134,867 | 134,867 | 4.4 |
| Augusta-Aiken, GA-SC MSA | 38 | 458,271 | 458,271 | 8.3 | Vineland-Millville-Bridgeton, NJ PMSA | 6 | 140,341 | 140,341 | 4.3 |
| Little Rock-North Little Rock, AR MSA | 46 | 556,295 | 556,295 | 8.3 | Albany, GA MSA | 5 | 118,076 | 118,076 | 4.2 |
| Pensacola, FL MSA | 33 | 399,625 | 399,625 | 8.3 | Billings, MT MSA | 5 | 126,158 | 126,158 | 4.0 |
| Fort Smith, AR-OK MSA | 16 | 194,045 | 194,045 | 8.2 | Merced, CA MSA | 8 | 197,730 | 197,730 | 4.0 |

| Metro Area Name | Utility Patents Granted | Population 1998 | Patents per 100K pop. | Metro Area Name | Utility Patents Granted | Population 1998 | Patents per 100K pop. |
|------------------------------------|-------------------------|-----------------|-----------------------|--|-------------------------|-----------------|-----------------------|
| Pocatello, ID MSA | 3 | 74,866 | 4.0 | Rocky Mount, NC MSA | 4 | 146,167 | 2.7 |
| Jonesboro, AR MSA | 3 | 77,500 | 3.9 | Anniston, AL MSA | 3 | 117,018 | 2.6 |
| Visalia-Tulare-Porterville, CA MSA | 14 | 355,240 | 3.9 | Tuscaloosa, AL MSA | 4 | 160,768 | 2.5 |
| Yuma, AZ MSA | 5 | 132,259 | 3.8 | Texarkana, TX-Texarkana, AR MSA | 3 | 123,366 | 2.4 |
| El Paso, TX MSA | 25 | 703,127 | 3.6 | Rapid City, SD MSA | 2 | 87,702 | 2.3 |
| Fayetteville, NC MSA | 10 | 284,629 | 3.5 | Owensboro, KY MSA | 2 | 91,139 | 2.2 |
| Lawton, OK MSA | 4 | 113,508 | 3.5 | Yuba City, CA MSA | 3 | 137,043 | 2.2 |
| Abilene, TX MSA | 4 | 122,016 | 3.3 | Brownsville-Harlingen-San Benito, TX MSA | 6 | 326,449 | 1.8 |
| Bismarck, ND MSA | 3 | 91,442 | 3.3 | Enid, OK MSA | 1 | 56,859 | 1.8 |
| Columbus, GA-AL MSA | 9 | 272,133 | 3.3 | Laredo, TX MSA | 3 | 188,166 | 1.6 |
| Cumberland, MD-WV MSA | 3 | 98,070 | 3.1 | Pine Bluff, AR MSA | 1 | 81,556 | 1.2 |
| Jacksonville, NC MSA | 4 | 142,358 | 2.8 | Gadsden, AL MSA | 1 | 103,975 | 1.0 |
| Goldtsboro, NC MSA | 3 | 112,227 | 2.7 | McAllen-Edinburg-Mission, TX MSA | 5 | 522,204 | 1.0 |

Number of UTILITY patents granted per 100,000 population by metropolitan area, 1998 (independent inventors only)



**Table 4. Number of UTILITY Patents Granted per 100,000 Population, by Metropolitan Area, 1998
(Independent Inventors Only)**

Metropolitan areas are based on definitions effective July 1, 1999. MSA = metropolitan statistical area; NECMA = New England county metropolitan area; PMSA = primary metropolitan statistical area. The geographic distribution of patents is based on the residence of the first-named inventor.

| Metro Area Name | Utility | | | Patents | | |
|---|--------------------|--------------------|-----------------------------|--------------------|--------------------|-----------------------------|
| | Patents Granted | Population 1998 | Patents per 100K pop. | Patents Granted | Population 1998 | Patents per 100K pop. |
| Reno, NV MSA | 63 | 313,660 | 20.1 | 9 | 93,137 | 9.7 |
| San Jose, CA PMSA | 318 | 1,641,215 | 19.4 | 38 | 395,953 | 9.6 |
| Bellingham, WA MSA | 26 | 156,830 | 16.6 | 128 | 1,344,266 | 9.5 |
| Orange County, CA PMSA | 448 | 2,721,701 | 16.5 | 28 | 295,118 | 9.5 |
| West Palm Beach-Boca Raton, FL MSA | 168 | 1,032,625 | 16.3 | 266 | 2,831,234 | 9.4 |
| Boulder-Longmont, CO PMSA | 42 | 267,274 | 15.7 | 103 | 1,093,253 | 9.4 |
| Santa Barbara-Santa Maria-Lompoc, CA MSA | 56 | 389,502 | 14.4 | 181 | 1,938,642 | 9.3 |
| San Francisco, CA PMSA | 239 | 1,683,309 | 14.2 | 10 | 110,170 | 9.1 |
| Corvallis, OR MSA | 11 | 77,755 | 14.1 | 134 | 1,503,407 | 8.9 |
| San Luis Obispo-Atascadero-Paso Robles, CA MSA | 31 | 234,366 | 13.2 | 816 | 9,213,533 | 8.9 |
| Santa Fe, NM MSA | 18 | 141,730 | 12.7 | 113 | 1,267,745 | 8.9 |
| Naples, FL MSA | 25 | 199,436 | 12.5 | 204 | 2,318,522 | 8.8 |
| Santa Cruz-Watsonville, CA PMSA | 30 | 242,994 | 12.3 | 503 | 5,867,187 | 8.6 |
| Lafayette, LA MSA | 45 | 375,718 | 12.0 | 17 | 198,662 | 8.6 |
| Sarasota-Bradenton, FL MSA | 65 | 543,082 | 12.0 | 29 | 335,635 | 8.6 |
| Punta Gorda, FL MSA | 16 | 134,899 | 11.9 | 22 | 261,021 | 8.4 |
| New Haven-Bridgeport-Stamford-Danbury-Waterbury, CT NECMA | 192 | 1,631,866 | 11.8 | 328 | 3,931,688 | 8.3 |
| Trenton, NJ PMSA | 39 | 331,629 | 11.8 | 91 | 1,105,909 | 8.2 |
| Nassau-Suffolk, NY PMSA | 310 | 2,673,489 | 11.6 | 236 | 2,931,004 | 8.1 |
| Eugene-Springfield, OR MSA | 36 | 314,068 | 11.5 | 35 | 433,304 | 8.1 |
| San Diego, CA MSA | 315 | 2,780,592 | 11.3 | 354 | 4,473,853 | 7.9 |
| Middlesex-Somerset-Hunterdon, NJ PMSA | 126 | 1,121,504 | 11.2 | 31 | 392,895 | 7.9 |
| Ventura, CA PMSA | 81 | 731,967 | 11.1 | 178 | 2,256,559 | 7.9 |
| Brazoria, TX PMSA | 24 | 230,335 | 10.4 | 388 | 4,946,562 | 7.8 |
| Yolo, CA PMSA | 16 | 153,849 | 10.4 | 15 | 194,597 | 7.7 |
| Barnstable-Yarmouth, MA NECMA | 21 | 208,418 | 10.1 | 175 | 2,312,978 | 7.6 |
| Missoula, MT MSA | 9 | 88,989 | 10.1 | 60 | 790,755 | 7.6 |
| Ann Arbor, MI PMSA | 55 | 547,646 | 10.0 | 16 | 213,629 | 7.5 |
| Medford-Ashland, OR MSA | 17 | 173,123 | 9.8 | 12 | 159,429 | 7.5 |
| Pittsfield, MA NECMA | 10 | 133,038 | 7.5 | 9 | 146,999 | 6.1 |
| Lawrence, KS MSA | | | | | | |
| Boise City, ID MSA | | | | | | |
| Bergen-Passaic, NJ PMSA | | | | | | |
| Fort Pierce-Port St. Lucie, FL MSA | | | | | | |
| Minneapolis-St. Paul, MN-WI MSA | | | | | | |
| Monmouth-Ocean, NJ PMSA | | | | | | |
| Denver, CO PMSA | | | | | | |
| Sheboygan, WI MSA | | | | | | |
| Fort Lauderdale, FL PMSA | | | | | | |
| Los Angeles-Long Beach, CA PMSA | | | | | | |
| Salt Lake City-Ogden, UT MSA | | | | | | |
| Oakland, CA PMSA | | | | | | |
| Boston-Worcester-Lawrence-Lowell-Brockton, MA-NH NECMA | | | | | | |
| Gainesville, FL MSA | | | | | | |
| Provo-Orem, UT MSA | | | | | | |
| Tallahassee, FL MSA | | | | | | |
| Houston, TX PMSA | | | | | | |
| Austin-San Marcos, TX MSA | | | | | | |
| Phoenix-Mesa, AZ MSA | | | | | | |
| Santa Rosa, CA PMSA | | | | | | |
| Detroit, MI PMSA | | | | | | |
| Fort Myers-Cape Coral, FL MSA | | | | | | |
| Tampa-St. Petersburg-Clearwater, FL MSA | | | | | | |
| Philadelphia, PA-NJ PMSA | | | | | | |
| Chico-Paradise, CA MSA | | | | | | |
| Seattle-Bellevue-Everett, WA PMSA | | | | | | |
| Tucson, AZ MSA | | | | | | |
| Asheville, NC MSA | | | | | | |
| Greeley, CO PMSA | | | | | | |
| Panama City, FL MSA | | | | | | |

Utility (independent inventors)

| Metro Area Name | Utility Patents | | Population | | Patents per 100K pop. | |
|---|-----------------|-----------|------------|------|-----------------------|-----------|
| | Granted | 1998 | 1998 | pop. | Granted | 1998 |
| Sioux City, IA-NE MSA | 9 | 120,464 | 7.5 | 7.5 | 16 | 265,317 |
| Washington, DC-MD-VA-WV PMSA | 352 | 4,673,902 | 7.5 | 7.5 | 78 | 1,309,445 |
| Fort Collins-Loveland, CO MSA | 17 | 231,221 | 7.4 | 7.4 | 7 | 117,308 |
| Milwaukee-Waukesha, WI PMSA | 108 | 1,459,805 | 7.4 | 7.4 | 34 | 565,329 |
| Sharon, PA MSA | 9 | 121,938 | 7.4 | 7.4 | 131 | 2,222,731 |
| Baltimore, MD PMSA | 180 | 2,483,952 | 7.2 | 7.2 | 6 | 102,107 |
| Chicago, IL PMSA | 572 | 7,939,351 | 7.2 | 7.2 | 64 | 1,079,873 |
| Hartford, CT NECMA | 80 | 1,110,065 | 7.2 | 7.2 | 77 | 1,321,546 |
| Dallas, TX PMSA | 228 | 3,209,886 | 7.1 | 7.1 | 31 | 532,257 |
| Fargo-Moorhead, ND-MN MSA | 12 | 168,431 | 7.1 | 7.1 | 79 | 1,383,080 |
| Fort Walton Beach, FL MSA | 12 | 169,289 | 7.1 | 7.1 | 92 | 1,617,836 |
| Newark, NJ PMSA | 138 | 1,952,407 | 7.1 | 7.1 | 26 | 456,414 |
| Richland-Kennewick-Pasco, WA MSA | 13 | 182,709 | 7.1 | 7.1 | 146 | 2,563,801 |
| Baton Rouge, LA MSA | 40 | 575,129 | 7.0 | 7.0 | 7 | 123,223 |
| Jersey City, NJ PMSA | 39 | 557,159 | 7.0 | 7.0 | 8 | 142,323 |
| Portland-Vancouver, OR-WA PMSA | 128 | 1,818,955 | 7.0 | 7.0 | 13 | 232,623 |
| New London-Norwich, CT NECMA | 17 | 245,740 | 6.9 | 6.9 | 51 | 918,351 |
| Knoxville, TN MSA | 45 | 659,074 | 6.8 | 6.8 | 17 | 304,863 |
| Anchorage, AK MSA | 17 | 254,982 | 6.7 | 6.7 | 7 | 126,763 |
| Charlottesville, VA MSA | 10 | 149,190 | 6.7 | 6.7 | 26 | 470,864 |
| Houma, LA MSA | 13 | 193,858 | 6.7 | 6.7 | 22 | 399,625 |
| Albuquerque, NM MSA | 45 | 678,633 | 6.6 | 6.6 | 9 | 164,349 |
| Allentown-Bethlehem-Easton, PA MSA | 41 | 616,877 | 6.6 | 6.6 | 12 | 218,248 |
| Cedar Rapids, IA MSA | 12 | 182,651 | 6.6 | 6.6 | 56 | 1,044,684 |
| Champaign-Urbana, IL MSA | 11 | 167,788 | 6.6 | 6.6 | 10 | 186,119 |
| Florence, AL MSA | 9 | 137,271 | 6.6 | 6.6 | 14 | 258,088 |
| Gilens Falls, NY MSA | 8 | 121,742 | 6.6 | 6.6 | 22 | 408,669 |
| Atlanta, GA MSA | 242 | 3,746,059 | 6.5 | 6.5 | 27 | 512,316 |
| New York, NY PMSA | 559 | 8,692,782 | 6.4 | 6.4 | 23 | 436,922 |
| Rockford, IL MSA | 23 | 356,887 | 6.4 | 6.4 | 6 | 112,891 |
| Toledo, OH MSA | 39 | 609,935 | 6.4 | 6.4 | 36 | 688,952 |
| Tulsa, OK MSA | 50 | 776,906 | 6.4 | 6.4 | 22 | 424,586 |
| Johnson City-Kingsport-Bristol, TN-VA MSA | 29 | 462,345 | 6.3 | 6.3 | 79 | 1,531,963 |
| Erie, PA MSA | 17 | 276,401 | 6.2 | 6.2 | 21 | 401,991 |
| Huntsville, AL MSA | 21 | 340,428 | 6.2 | 6.2 | 32 | 615,491 |
| Orlando, FL MSA | 94 | 1,504,569 | 6.2 | 6.2 | 23 | 449,683 |
| Grand Forks, ND-MN MSA | 6 | 97,823 | 6.1 | 6.1 | 9 | 174,762 |
| Lubbock, TX MSA | 14 | 229,475 | 6.1 | 6.1 | 120 | 2,346,153 |
| Portland, ME NECMA | 13 | 253,582 | 5.1 | 5.1 | 6 | 138,103 |
| Dutchess County, NY PMSA | | | | | | |
| New Orleans, LA MSA | | | | | | |
| Williamsport, PA MSA | | | | | | |
| Wilmington-Newark, DE-MD PMSA | | | | | | |
| Cleveland-Lorain-Elyria, OH PMSA | | | | | | |
| Kankakee, IL PMSA | | | | | | |
| Raleigh-Durham-Chapel Hill, NC MSA | | | | | | |
| Las Vegas, NV-AZ MSA | | | | | | |
| Mobile, AL MSA | | | | | | |
| Charlotte-Gastonia-Rock Hill, NC-SC MSA | | | | | | |
| Cincinnati, OH-KY-IN PMSA | | | | | | |
| Lancaster, PA MSA | | | | | | |
| St. Louis, MO-IL MSA | | | | | | |
| Wausau, WI MSA | | | | | | |
| Bangor, ME NECMA | | | | | | |
| Bremerton, WA PMSA | | | | | | |
| Greenville-Spartanburg-Anderson, SC MSA | | | | | | |
| Springfield, MO MSA | | | | | | |
| Alexandria, LA MSA | | | | | | |
| Dayton-Springfield, OH MSA | | | | | | |
| Pensacola, FL MSA | | | | | | |
| Redding, CA MSA | | | | | | |
| Wilmington, NC MSA | | | | | | |
| Jacksonville, FL MSA | | | | | | |
| Racine, WI PMSA | | | | | | |
| South Bend, IN MSA | | | | | | |
| Spokane, WA MSA | | | | | | |
| Columbia, SC MSA | | | | | | |
| Des Moines, IA MSA | | | | | | |
| Grand Junction, CO MSA | | | | | | |
| Akron, OH PMSA | | | | | | |
| Madison, WI MSA | | | | | | |
| Sacramento, CA PMSA | | | | | | |
| Saginaw-Bay City-Midland, MI MSA | | | | | | |
| Scranton--Wilkes-Barre--Hazleton, PA MSA | | | | | | |
| Lausing-East Lansing, MI MSA | | | | | | |
| Myrtle Beach, SC MSA | | | | | | |
| Pittsburgh, PA MSA | | | | | | |
| Jamestown, NY MSA | | | | | | |

Utility (independent inventors)

| Metro Area Name | Utility Patents Granted | Population 1998 | Patents per 100K pop. | Metro Area Name | Utility Patents Granted | Population 1998 | Patents per 100K pop. |
|---|-------------------------|-----------------|-----------------------|--|-------------------------|-----------------|-----------------------|
| | | | | | | | |
| Kokomo, IN MSA | 5 | 100,176 | 5.0 | Kalamazoo-Battle Creek, MI MSA | 19 | 446,331 | 4.3 |
| Riverside-San Bernardino, CA PMSA | 157 | 3,114,072 | 5.0 | Louisville, KY-IN MSA | 43 | 999,267 | 4.3 |
| Syracuse, NY MSA | 37 | 734,640 | 5.0 | Oklahoma City, OK MSA | 45 | 1,038,999 | 4.3 |
| Appleton-Oshkosh-Neenah, WI MSA | 17 | 344,464 | 4.9 | Sioux Falls, SD MSA | 7 | 163,422 | 4.3 |
| Bakersfield, CA MSA | 31 | 631,459 | 4.9 | St. Cloud, MN MSA | 7 | 162,222 | 4.3 |
| Newburgh, NY-PA PMSA | 18 | 369,392 | 4.9 | Bloomington-Normal, IL MSA | 6 | 142,652 | 4.2 |
| Rochester, NY MSA | 53 | 1,081,883 | 4.9 | Providence-Warwick-Pawtucket, RI NECMA | 38 | 905,612 | 4.2 |
| Springfield, IL MSA | 10 | 203,847 | 4.9 | Springfield, MA NECMA | 25 | 588,993 | 4.2 |
| Fayetteville-Springdale-Rogers, AR MSA | 13 | 272,616 | 4.8 | Topeka, KS MSA | 7 | 165,348 | 4.2 |
| Lynchburg, VA MSA | 10 | 208,039 | 4.8 | Galveston-Texas City TX PMSA | 10 | 245,556 | 4.1 |
| Burlington, VT NECMA | 9 | 192,895 | 4.7 | Tyler, TX MSA | 7 | 168,783 | 4.1 |
| Duluth-Superior, MN-WI MSA | 11 | 236,464 | 4.7 | Binghamton, NY MSA | 10 | 249,022 | 4.0 |
| Johnstown, PA MSA | 11 | 236,347 | 4.7 | Florence, SC MSA | 5 | 124,904 | 4.0 |
| Lincoln, NE MSA | 11 | 235,589 | 4.7 | Fort Worth-Arlington, TX PMSA | 62 | 1,592,577 | 3.9 |
| Melbourne-Titusville-Palm Bay, FL MSA | 22 | 466,093 | 4.7 | Hagerstown, MD PMSA | 5 | 127,352 | 3.9 |
| Parkersburg-Marietta, WV-OH MSA | 7 | 150,181 | 4.7 | Lewiston-Auburn, ME NECMA | 4 | 101,280 | 3.9 |
| Youngstown-Warren, OH MSA | 28 | 591,752 | 4.7 | Reading, PA MSA | 14 | 355,956 | 3.9 |
| Altoona, PA MSA | 6 | 130,615 | 4.6 | San Antonio, TX MSA | 60 | 1,538,338 | 3.9 |
| Biloxi-Gulfport-Pascagoula, MS MSA | 16 | 349,218 | 4.6 | Sherman-Denison, TX MSA | 4 | 102,815 | 3.9 |
| Fort Wayne, IN MSA | 22 | 481,191 | 4.6 | Wichita, KS MSA | 21 | 544,343 | 3.9 |
| Miami, FL PMSA | 99 | 2,152,437 | 4.6 | Buffalo-Niagra Falls, NY MSA | 44 | 1,152,541 | 3.8 |
| Omaha, NE-IA MSA | 32 | 693,900 | 4.6 | Cheyenne, WY MSA | 3 | 78,872 | 3.8 |
| Salinas, CA MSA | 17 | 365,605 | 4.6 | Great Falls, MT MSA | 3 | 78,983 | 3.8 |
| Vallejo-Fairfield-Napa, CA PMSA | 23 | 496,703 | 4.6 | Jackson, MI MSA | 6 | 156,157 | 3.8 |
| Yakima, WA MSA | 10 | 218,062 | 4.6 | Longview-Marshall, TX MSA | 8 | 208,988 | 3.8 |
| Daytona Beach, FL MSA | 43 | 948,522 | 4.5 | Canton-Massillon, OH MSA | 15 | 402,207 | 3.7 |
| Greensboro--Winston-Salem--High Point, NC MSA | 53 | 1,167,629 | 4.5 | Dothan, AL MSA | 5 | 134,749 | 3.7 |
| Kansas City, MO-KS MSA | 78 | 1,737,025 | 4.5 | Flint, MI PMSA | 16 | 436,084 | 3.7 |
| Slate College, PA MSA | 6 | 132,700 | 4.5 | Harrisburg-Lebanon-Carlisle, PA MSA | 23 | 616,031 | 3.7 |
| Albany-Schenectady-Troy, NY MSA | 38 | 871,604 | 4.4 | Hickory-Morganton-Lenoir, NC MSA | 12 | 322,608 | 3.7 |
| Decatur, IL MSA | 5 | 113,772 | 4.4 | Nashville, TN MSA | 42 | 1,156,225 | 3.6 |
| Indianapolis, IN MSA | 67 | 1,519,194 | 4.4 | Charleston-North Charleston, SC MSA | 19 | 541,159 | 3.5 |
| Lakeland-Winter Haven, FL MSA | 20 | 452,584 | 4.4 | Eau Claire, WI MSA | 5 | 143,861 | 3.5 |
| Olympia, WA PMSA | 9 | 202,255 | 4.4 | Jackson, MS MSA | 15 | 429,614 | 3.5 |
| Roanoke, VA MSA | 10 | 227,828 | 4.4 | Kenosha, WI PMSA | 5 | 144,339 | 3.5 |
| Athens, GA MSA | 6 | 138,679 | 4.3 | Las Cruces, NM MSA | 6 | 169,165 | 3.5 |
| Bloomington, IN MSA | 5 | 115,130 | 4.3 | Peoria-Pekin, IL MSA | 12 | 344,779 | 3.5 |
| Grand Rapids-Muskegon-Holland, MI MSA | 45 | 1,037,933 | 4.3 | York, PA MSA | 13 | 373,255 | 3.5 |

| Metro Area Name | Utility Patents | | Population | | Patents per 100K pop. | | |
|--|-----------------|-----------|------------|------|-----------------------|-----------|-----|
| | Granted | 1998 | 1998 | pop. | 1998 | pop. | |
| Albany, GA MSA | 4 | 118,076 | 3.4 | 3.4 | 8 | 301,449 | 2.7 |
| Davenport-Moline-Rock Island, IA-IL MSA | 12 | 357,813 | 3.4 | 3.4 | 12 | 449,645 | 2.7 |
| Honolulu, HI MSA | 30 | 872,478 | 3.4 | 3.4 | 4 | 146,167 | 2.7 |
| Mansfield, OH MSA | 6 | 174,559 | 3.4 | 3.4 | 8 | 294,677 | 2.7 |
| Monroe, LA MSA | 5 | 146,979 | 3.4 | 3.4 | 28 | 1,093,427 | 2.6 |
| Atlantic-Cape May, NJ PMSA | 11 | 336,116 | 3.3 | 3.3 | 11 | 426,460 | 2.6 |
| Augusta-Aiken, GA-SC MSA | 15 | 458,271 | 3.3 | 3.3 | 3 | 120,371 | 2.5 |
| Columbus, OH MSA | 49 | 1,469,604 | 3.3 | 3.3 | 3 | 121,832 | 2.5 |
| Janesville-Beloit, WI MSA | 5 | 150,736 | 3.3 | 3.3 | 7 | 285,508 | 2.5 |
| Salem, OR PMSA | 11 | 330,101 | 3.3 | 3.3 | 3 | 121,121 | 2.5 |
| Casper, WY MSA | 2 | 63,341 | 3.2 | 3.2 | 3 | 126,158 | 2.4 |
| Charleston, WV MSA | 8 | 253,175 | 3.2 | 3.2 | 22 | 908,508 | 2.4 |
| Gary, IN PMSA | 20 | 624,049 | 3.2 | 3.2 | 11 | 450,283 | 2.4 |
| Greenville, NC MSA | 4 | 126,630 | 3.2 | 3.2 | 7 | 290,757 | 2.4 |
| Richmond-Petersburg, VA MSA | 31 | 957,032 | 3.2 | 3.2 | 37 | 1,542,143 | 2.4 |
| Shreveport-Bossier City, LA MSA | 12 | 378,641 | 3.2 | 3.2 | 3 | 123,366 | 2.4 |
| Corpus Christi, TX MSA | 12 | 387,733 | 3.1 | 3.1 | 3 | 129,098 | 2.3 |
| Auburn-Opelika, AL MSA | 3 | 100,444 | 3.0 | 3.0 | 2 | 87,806 | 2.3 |
| Bryan-College Station, TX MSA | 4 | 133,407 | 3.0 | 3.0 | 3 | 132,259 | 2.3 |
| Fresno, CA MSA | 26 | 870,478 | 3.0 | 3.0 | 2 | 91,442 | 2.2 |
| Steubenville-Weirton, OH-WV MSA | 4 | 134,535 | 3.0 | 3.0 | 2 | 92,021 | 2.2 |
| Amarillo, TX MSA | 6 | 208,607 | 2.9 | 2.9 | 3 | 142,816 | 2.1 |
| Beaumont-Port Arthur, TX MSA | 11 | 375,564 | 2.9 | 2.9 | 4 | 194,045 | 2.1 |
| Elkhart-Goshen, IN MSA | 5 | 172,310 | 2.9 | 2.9 | 3 | 142,358 | 2.1 |
| Huntington-Ashland, WV-KY-OH MSA | 9 | 313,922 | 2.9 | 2.9 | 4 | 199,758 | 2.0 |
| Iowa City, IA MSA | 3 | 102,724 | 2.9 | 2.9 | 10 | 490,378 | 2.0 |
| Lafayette, IN MSA | 5 | 172,220 | 2.9 | 2.9 | 4 | 197,730 | 2.0 |
| Little Rock-North Little Rock, AR MSA | 16 | 556,295 | 2.9 | 2.9 | 3 | 148,628 | 2.0 |
| Ocala, FL MSA | 7 | 241,513 | 2.9 | 2.9 | 3 | 154,242 | 1.9 |
| Odessa-Midland, TX MSA | 7 | 245,376 | 2.9 | 2.9 | 1 | 56,859 | 1.8 |
| Stockton-Lodi, CA MSA | 16 | 550,445 | 2.9 | 2.9 | 5 | 284,629 | 1.8 |
| Waco, TX MSA | 6 | 203,446 | 2.9 | 2.9 | 2 | 113,508 | 1.8 |
| Wichita Falls, TX MSA | 4 | 137,237 | 2.9 | 2.9 | 6 | 355,240 | 1.7 |
| Green Bay, WI MSA | 6 | 215,373 | 2.8 | 2.8 | 2 | 122,016 | 1.6 |
| Lake Charles, LA MSA | 5 | 180,330 | 2.8 | 2.8 | 4 | 272,133 | 1.5 |
| Montgomery, AL MSA | 9 | 321,781 | 2.8 | 2.8 | 2 | 134,867 | 1.5 |
| Tacoma-WA PMSA | 19 | 676,505 | 2.8 | 2.8 | 2 | 137,043 | 1.5 |
| Hamilton-Middletown, OH PMSA | 9 | 330,428 | 2.7 | 2.7 | 10 | 703,127 | 1.4 |
| Joplin, MO MSA | 4 | 148,684 | 2.7 | 2.7 | 1 | 77,500 | 1.3 |
| Killeen-Temple, TX MSA | 8 | 301,449 | 2.7 | 2.7 | 8 | 301,449 | 2.7 |
| Lexington, KY MSA | 12 | 449,645 | 2.7 | 2.7 | 12 | 449,645 | 2.7 |
| Rocky Mount, NC MSA | 4 | 146,167 | 2.7 | 2.7 | 4 | 146,167 | 2.7 |
| Utica-Rome, NY MSA | 8 | 294,677 | 2.7 | 2.7 | 8 | 294,677 | 2.7 |
| Memphis, TN-AR-MS MSA | 28 | 1,093,427 | 2.6 | 2.6 | 28 | 1,093,427 | 2.6 |
| Modesto, CA MSA | 11 | 426,460 | 2.6 | 2.6 | 11 | 426,460 | 2.6 |
| Flagstaff, AZ-UT MSA | 3 | 120,371 | 2.5 | 2.5 | 3 | 120,371 | 2.5 |
| La Crosse, WI-MN MSA | 3 | 121,832 | 2.5 | 2.5 | 3 | 121,832 | 2.5 |
| Savannah, GA MSA | 7 | 285,508 | 2.5 | 2.5 | 7 | 285,508 | 2.5 |
| Waterloo-Cedar Falls, IA MSA | 3 | 121,121 | 2.5 | 2.5 | 3 | 121,121 | 2.5 |
| Billings, MT MSA | 3 | 126,158 | 2.4 | 2.4 | 3 | 126,158 | 2.4 |
| Birmingham, AL MSA | 22 | 908,508 | 2.4 | 2.4 | 22 | 908,508 | 2.4 |
| Chattanooga, TN-GA MSA | 11 | 450,283 | 2.4 | 2.4 | 11 | 450,283 | 2.4 |
| Evansville-Henderson, IN-KY MSA | 7 | 290,757 | 2.4 | 2.4 | 7 | 290,757 | 2.4 |
| Norfolk-Virginia Beach-Newport News, VA-NC MSA | 37 | 1,542,143 | 2.4 | 2.4 | 37 | 1,542,143 | 2.4 |
| Texarkana, TX-Texasarkana, AR MSA | 3 | 123,366 | 2.4 | 2.4 | 3 | 123,366 | 2.4 |
| Columbia, MO MSA | 3 | 129,098 | 2.3 | 2.3 | 3 | 129,098 | 2.3 |
| Dubuque, IA MSA | 2 | 87,806 | 2.3 | 2.3 | 2 | 87,806 | 2.3 |
| Yuma, AZ MSA | 3 | 132,259 | 2.3 | 2.3 | 3 | 132,259 | 2.3 |
| Bismarck, ND MSA | 2 | 91,442 | 2.2 | 2.2 | 2 | 91,442 | 2.2 |
| Elmira, NY MSA | 2 | 92,021 | 2.2 | 2.2 | 2 | 92,021 | 2.2 |
| Decatur, AL MSA | 3 | 142,816 | 2.1 | 2.1 | 3 | 142,816 | 2.1 |
| Fort Smith, AR-OK MSA | 4 | 194,045 | 2.1 | 2.1 | 4 | 194,045 | 2.1 |
| Jacksonville, NC MSA | 3 | 142,358 | 2.1 | 2.1 | 3 | 142,358 | 2.1 |
| Clarksville-Hopkinsville, TN-KY MSA | 4 | 199,758 | 2.0 | 2.0 | 4 | 199,758 | 2.0 |
| Colorado Springs, CO MSA | 10 | 490,378 | 2.0 | 2.0 | 10 | 490,378 | 2.0 |
| Merced, CA MSA | 4 | 197,730 | 2.0 | 2.0 | 4 | 197,730 | 2.0 |
| Terre Haute, IN MSA | 3 | 148,628 | 2.0 | 2.0 | 3 | 148,628 | 2.0 |
| Lima, OH MSA | 3 | 154,242 | 1.9 | 1.9 | 3 | 154,242 | 1.9 |
| Enid, OK MSA | 1 | 56,859 | 1.8 | 1.8 | 1 | 56,859 | 1.8 |
| Fayetteville, NC MSA | 5 | 284,629 | 1.8 | 1.8 | 5 | 284,629 | 1.8 |
| Lawton, OK MSA | 2 | 113,508 | 1.8 | 1.8 | 2 | 113,508 | 1.8 |
| Visalia-Tulare-Porterville, CA MSA | 6 | 355,240 | 1.7 | 1.7 | 6 | 355,240 | 1.7 |
| Abilene, TX MSA | 2 | 122,016 | 1.6 | 1.6 | 2 | 122,016 | 1.6 |
| Columbus, GA-AL MSA | 4 | 272,133 | 1.5 | 1.5 | 4 | 272,133 | 1.5 |
| Pueblo, CO MSA | 2 | 134,867 | 1.5 | 1.5 | 2 | 134,867 | 1.5 |
| Yuba City, CA MSA | 2 | 137,043 | 1.5 | 1.5 | 2 | 137,043 | 1.5 |
| El Paso, TX MSA | 10 | 703,127 | 1.4 | 1.4 | 10 | 703,127 | 1.4 |
| Jonesboro, AR MSA | 1 | 77,500 | 1.3 | 1.3 | 1 | 77,500 | 1.3 |

Utility (independent inventors)

| Metro Area Name | Utility Patents Granted | Population 1998 | Patents per 100K pop. | Metro Area Name | Utility Patents Granted | Population 1998 | Patents per 100K pop. |
|-----------------------|-------------------------|-----------------|-----------------------|--|-------------------------|-----------------|-----------------------|
| Macon, GA MSA | 4 | 319,502 | 1.3 | Dover, DE MSA | 1 | 124,089 | 0.8 |
| Benton Harbor, MI MSA | 2 | 160,245 | 1.2 | McAllen-Edinburg-Mission, TX MSA | 4 | 522,204 | 0.8 |
| Pine Bluff, AR MSA | 1 | 81,556 | 1.2 | Wheeling, WV-OH MSA | 1 | 152,903 | 0.7 |
| Tuscaloosa, AL MSA | 2 | 160,768 | 1.2 | Brownsville-Harlingen-San Benito, TX MSA | 2 | 326,449 | 0.6 |
| Owensboro, KY MSA | 1 | 91,139 | 1.1 | Laredo, TX MSA | 1 | 188,166 | 0.5 |
| Rapid City, SD MSA | 1 | 87,702 | 1.1 | Gadsden, AL MSA | 0 | 103,975 | 0.0 |
| Cumberland, MD-WV MSA | 1 | 98,070 | 1.0 | Goldsboro, NC MSA | 0 | 112,227 | 0.0 |
| Jackson, TN MSA | 1 | 100,654 | 1.0 | Hattiesburg, MS MSA | 0 | 111,252 | 0.0 |
| San Angelo, TX MSA | 1 | 102,775 | 1.0 | Muncie, IN MSA | 0 | 116,828 | 0.0 |
| St. Joseph, MO MSA | 1 | 97,338 | 1.0 | Pocatello, ID MSA | 0 | 74,866 | 0.0 |
| Anniston, AL MSA | 1 | 117,018 | 0.9 | Rochester, MN MSA | 0 | 116,702 | 0.0 |
| Danville, VA MSA | 1 | 108,252 | 0.9 | Victoria, TX MSA | 0 | 82,650 | 0.0 |
| Sumter, SC MSA | 1 | 107,127 | 0.9 | Vineland-Millville-Bridgeton, NJ PMSA | 0 | 140,341 | 0.0 |

Utility (independent inventors)

Number of DESIGN patents granted per 100,000 population,
by metropolitan area, 1998

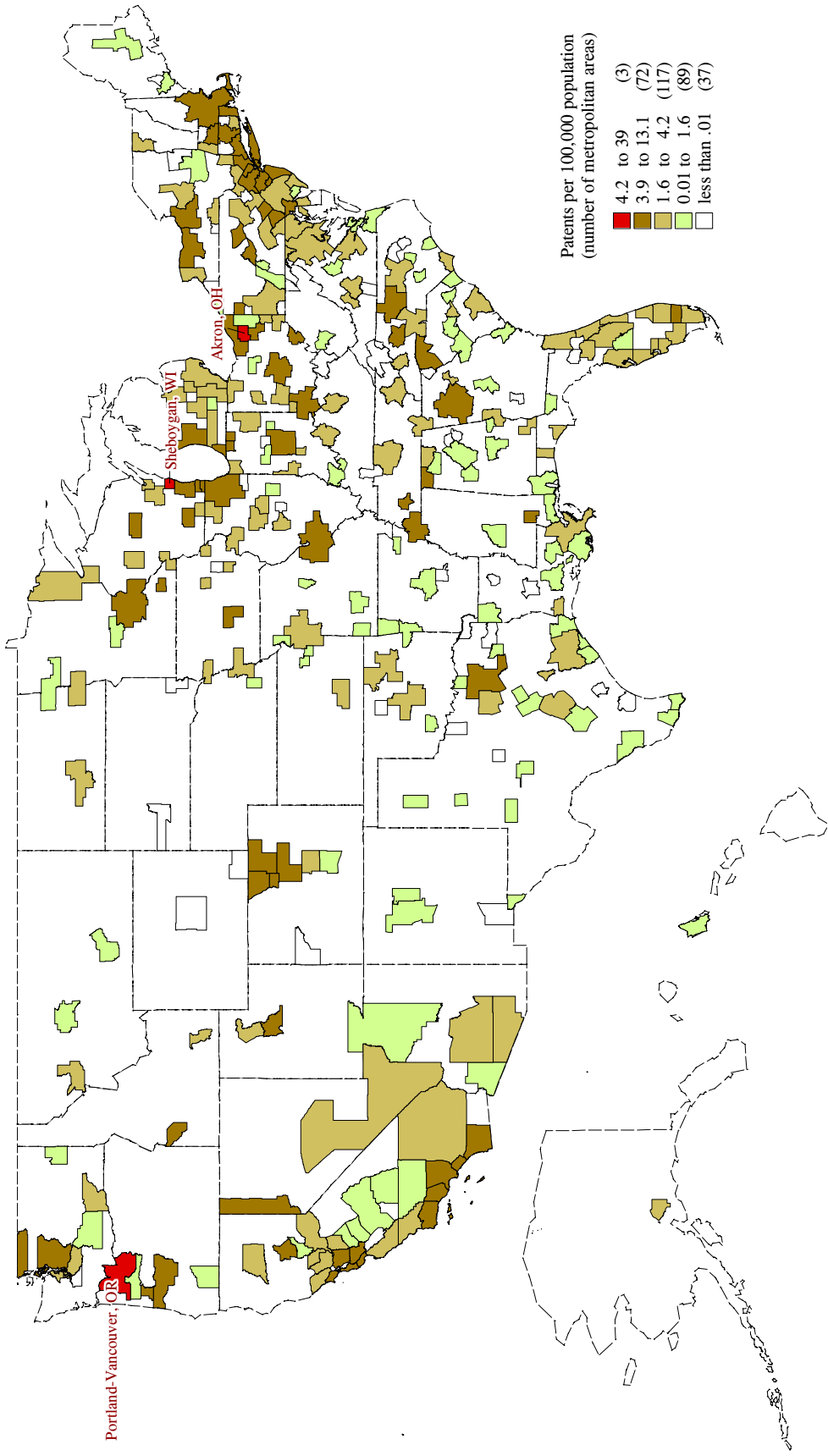


Table 2. Number of DESIGN Patents Granted per 100,000 Population, by Metropolitan Area, 1998

Metropolitan areas are based on definitions effective July 1, 1999. MSA =metropolitan statistical area; NECMA =New England county metropolitan area; PMSA =primary metropolitan statistical area. The geographic distribution of patents is based on the residence of the first-named inventor.

| Metro Area Name | Design Patents | | | Patents per 100K pop. | | |
|---|----------------|-----------------|---------------|-----------------------|-----------------|---------------|
| | Granted | Population 1998 | per 100K pop. | Granted | Population 1998 | per 100K pop. |
| Sheboygan, WI MSA | 43 | 110,170 | 39.0 | 27 | 402,207 | 6.7 |
| Portland-Vancouver, OR-WA PMSA | 309 | 1,818,955 | 17.0 | 24 | 355,956 | 6.7 |
| Akron, OH PMSA | 90 | 688,952 | 13.1 | 28 | 436,922 | 6.4 |
| San Francisco, CA PMSA | 168 | 1,683,309 | 10.0 | 59 | 918,351 | 6.4 |
| New Haven-Bridgeport-Stamford-Danbury-Waterbury, CT NECMA | 162 | 1,631,866 | 9.9 | 10 | 160,245 | 6.2 |
| Orange County, CA PMSA | 266 | 2,721,701 | 9.8 | 9 | 144,339 | 6.2 |
| Boulder-Longmont, CO PMSA | 26 | 267,274 | 9.7 | 71 | 1,167,629 | 6.1 |
| Racine, WI PMSA | 17 | 186,119 | 9.1 | 140 | 2,312,978 | 6.1 |
| Minneapolis-St. Paul, MN-WI MSA | 251 | 2,831,234 | 8.9 | 87 | 1,503,407 | 5.8 |
| Parkersburg-Marietta, WV-OH MSA | 13 | 150,181 | 8.7 | 155 | 2,673,489 | 5.8 |
| Reno, NV MSA | 27 | 313,660 | 8.6 | 162 | 2,780,592 | 5.8 |
| San Jose, CA PMSA | 139 | 1,641,215 | 8.5 | 9 | 156,830 | 5.7 |
| State College, PA MSA | 11 | 132,700 | 8.3 | 76 | 1,344,266 | 5.7 |
| Wausau, WI MSA | 10 | 123,223 | 8.1 | 64 | 1,121,504 | 5.7 |
| Providence-Warwick-Pawtucket, RI NECMA | 72 | 905,612 | 8.0 | 83 | 1,459,805 | 5.7 |
| Hickory-Morganton-Lenoir, NC MSA | 25 | 322,608 | 7.7 | 82 | 1,469,604 | 5.6 |
| South Bend, IN MSA | 20 | 258,088 | 7.7 | 9 | 159,429 | 5.6 |
| Ventura, CA PMSA | 56 | 731,967 | 7.7 | 6 | 111,252 | 5.4 |
| Eugene-Springfield, OR MSA | 24 | 314,068 | 7.6 | 137 | 2,563,801 | 5.3 |
| Newark, NJ PMSA | 148 | 1,952,407 | 7.6 | 9 | 172,310 | 5.2 |
| Los Angeles-Long Beach, CA PMSA | 693 | 9,213,533 | 7.5 | 301 | 5,867,187 | 5.1 |
| Sharon, PA MSA | 9 | 121,938 | 7.4 | 4 | 77,755 | 5.1 |
| Florence, AL MSA | 10 | 137,271 | 7.3 | 5 | 100,654 | 5.0 |
| Cleveland-Lorain-Elyria, OH PMSA | 160 | 2,222,731 | 7.2 | 55 | 1,093,427 | 5.0 |
| Madison, WI MSA | 30 | 424,586 | 7.1 | 37 | 734,640 | 5.0 |
| Fort Collins-Loveland, CO MSA | 16 | 231,221 | 6.9 | 54 | 1,110,065 | 4.9 |
| Grand Rapids-Muskegon-Holland, MI MSA | 72 | 1,037,933 | 6.9 | 430 | 8,692,782 | 4.9 |
| Rochester, MN MSA | 8 | 116,702 | 6.9 | 19 | 389,502 | 4.9 |
| Chicago, IL PMSA | 536 | 7,939,351 | 6.8 | 10 | 208,418 | 4.8 |
| Canton-Massillon, OH MSA | | | | | | |
| Reading, PA MSA | | | | | | |
| Des Moines, IA MSA | | | | | | |
| Greenville-Spartanburg-Anderson, SC MSA | | | | | | |
| Benton Harbor, MI MSA | | | | | | |
| Kenosha, WI PMSA | | | | | | |
| Greensboro--Winston-Salem--High Point, NC MSA | | | | | | |
| Seattle-Bellevue--Everett, WA PMSA | | | | | | |
| Fort Lauderdale, FL PMSA | | | | | | |
| Nassau-Suffolk, NY PMSA | | | | | | |
| San Diego, CA MSA | | | | | | |
| Bellingham, WA MSA | | | | | | |
| Bergen-Passaic, NJ PMSA | | | | | | |
| Middlesex-Somerset-Hunterdon, NJ PMSA | | | | | | |
| Milwaukee-Waukesha, WI PMSA | | | | | | |
| Columbus, OH MSA | | | | | | |
| Greeley, CO PMSA | | | | | | |
| Hattiesburg, MS MSA | | | | | | |
| St. Louis, MO-IL MSA | | | | | | |
| Elkhart-Goshen, IN MSA | | | | | | |
| Boston-Worcester-Lawrence-Lowell-Brockton, MA-NH NECMA | | | | | | |
| Corvallis, OR MSA | | | | | | |
| Jackson, TN MSA | | | | | | |
| Memphis, TN-AR-MS MSA | | | | | | |
| Syracuse, NY MSA | | | | | | |
| Hartford, CT NECMA | | | | | | |
| New York, NY PMSA | | | | | | |
| Santa Barbara-Santa Maria-Lompoc, CA MSA | | | | | | |
| Barnstable-Yarmouth, MA NECMA | | | | | | |

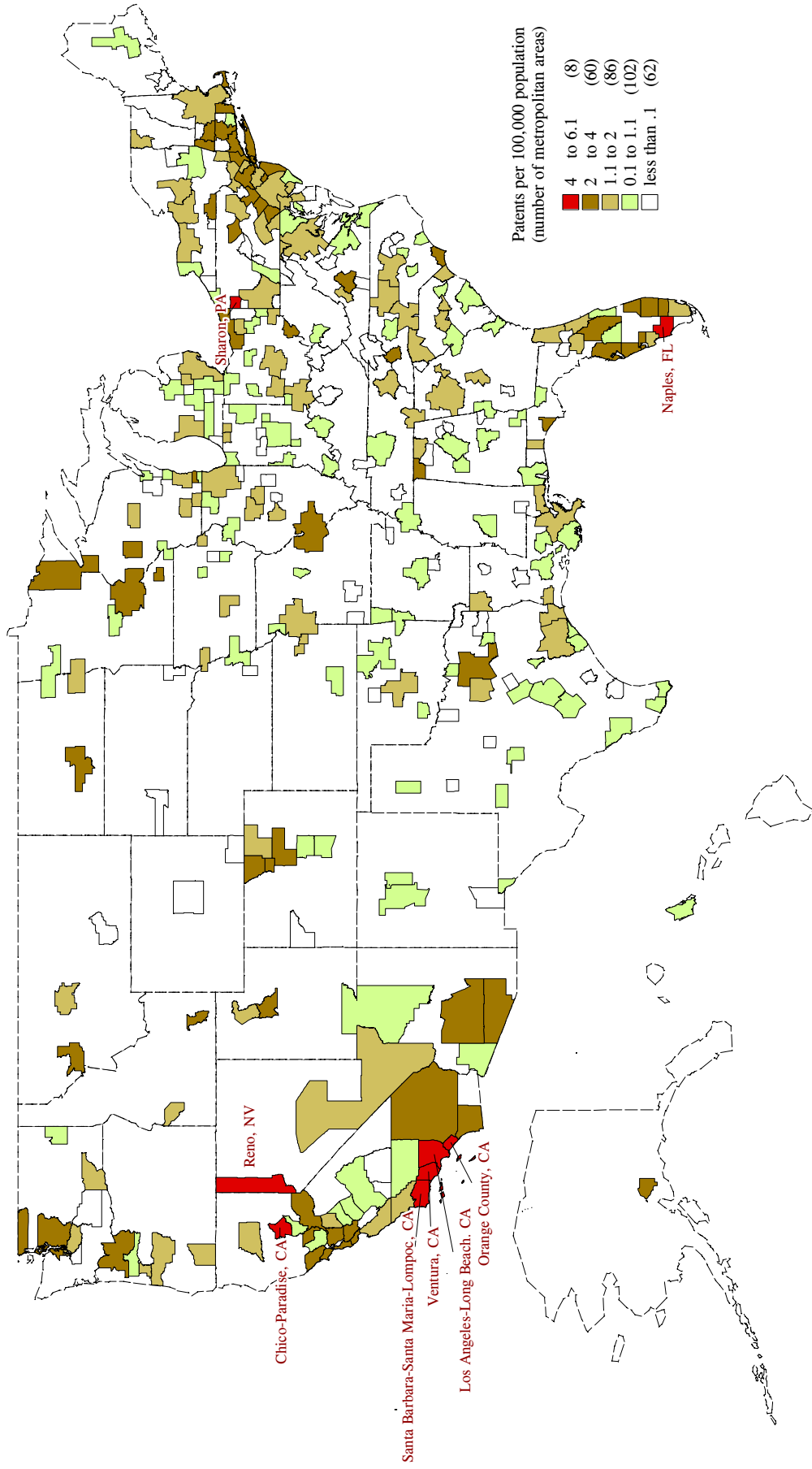
| Metro Area Name | Design Patents Granted | Population 1998 | Patents per 100K pop. | Metro Area Name | Design Patents Granted | Population 1998 | Patents per 100K pop. |
|--|------------------------|-----------------|-----------------------|---|------------------------|-----------------|-----------------------|
| Boise City, ID MSA | 19 | 395,953 | 4.8 | Sarasota-Bradenton, FL MSA | 18 | 543,082 | 3.3 |
| Lancaster, PA MSA | 22 | 456,414 | 4.8 | Detroit, MI PMSA | 143 | 4,473,853 | 3.2 |
| Mommsouth-Ocean, NJ PMSA | 52 | 1,093,253 | 4.8 | Yolo, CA PMSA | 5 | 153,849 | 3.2 |
| Rochester, NY MSA | 52 | 1,081,883 | 4.8 | Allentown-Bethlehem-Easton, PA MSA | 19 | 616,877 | 3.1 |
| Trenton, NJ PMSA | 16 | 331,629 | 4.8 | Jersey City, NJ PMSA | 17 | 557,159 | 3.1 |
| Wilmington-Newark, DE-MD PMSA | 27 | 565,329 | 4.8 | Baltimore, MD PMSA | 75 | 2,483,952 | 3.0 |
| Indianapolis, IN MSA | 72 | 1,519,194 | 4.7 | Bryan-College Station, TX MSA | 4 | 133,407 | 3.0 |
| Chico-Paradise, CA MSA | 9 | 194,597 | 4.6 | Charlotte-Gastonia-Rock Hill, NC-SC MSA | 42 | 1,383,080 | 3.0 |
| Cincinnati, OH-KY-IN PMSA | 75 | 1,617,836 | 4.6 | Dothan, AL MSA | 4 | 134,749 | 3.0 |
| Denver, CO PMSA | 88 | 1,938,642 | 4.5 | Omaha, NE-IA MSA | 21 | 693,900 | 3.0 |
| Santa Cruz-Watsonville, CA PMSA | 11 | 242,994 | 4.5 | Punta Gorda, FL MSA | 4 | 134,899 | 3.0 |
| Dallas, TX PMSA | 141 | 3,209,886 | 4.4 | Iowa City, IA MSA | 3 | 102,724 | 2.9 |
| Oakland, CA PMSA | 101 | 2,318,522 | 4.4 | Lynchburg, VA MSA | 6 | 208,039 | 2.9 |
| Atlanta, GA MSA | 161 | 3,746,059 | 4.3 | Binghamton, NY MSA | 7 | 249,022 | 2.8 |
| Williamsport, PA MSA | 5 | 117,308 | 4.3 | Bloomington-Normal, IL MSA | 4 | 142,652 | 2.8 |
| Provo-Orem, UT MSA | 14 | 335,635 | 4.2 | Green Bay, WI MSA | 6 | 215,373 | 2.8 |
| Springfield, MA NECMA | 25 | 588,993 | 4.2 | Kansas City, MO-KS MSA | 49 | 1,737,025 | 2.8 |
| Huntsville, AL MSA | 14 | 340,428 | 4.1 | Salt Lake City-Ogden, UT MSA | 35 | 1,267,745 | 2.8 |
| Orlando, FL MSA | 61 | 1,504,569 | 4.1 | Scranton-Wilkes-Barre-Hazleton, PA MSA | 17 | 615,491 | 2.8 |
| Phoenix-Mesa, AZ MSA | 120 | 2,931,004 | 4.1 | Sumter, SC MSA | 3 | 107,127 | 2.8 |
| Toledo, OH MSA | 25 | 609,935 | 4.1 | Tacoma-WA PMSA | 19 | 676,505 | 2.8 |
| Daytona Beach, FL MSA | 38 | 948,522 | 4.0 | Tampa-St. Petersburg-Clearwater, FL MSA | 64 | 2,256,559 | 2.8 |
| Naples, FL MSA | 8 | 199,436 | 4.0 | Wichita, KS MSA | 15 | 544,343 | 2.8 |
| Roanoke, VA MSA | 9 | 227,828 | 4.0 | Atlantic-Cape May, NJ PMSA | 9 | 336,116 | 2.7 |
| Appleton-Oshkosh-Neenah, WI MSA | 13 | 344,464 | 3.8 | Panama City, FL MSA | 4 | 146,999 | 2.7 |
| San Luis Obispo-Atascadero-Paso Robles, CA MSA | 9 | 234,366 | 3.8 | Pocatello, ID MSA | 2 | 74,866 | 2.7 |
| Philadelphia, PA-NJ PMSA | 185 | 4,946,562 | 3.7 | Terre Haute, IN MSA | 4 | 148,628 | 2.7 |
| Riverside-San Bernardino, CA PMSA | 113 | 3,114,072 | 3.6 | Wilmington, NC MSA | 6 | 218,248 | 2.7 |
| Eau Claire, WI MSA | 5 | 143,861 | 3.5 | York, PA MSA | 10 | 373,255 | 2.7 |
| Fort Wayne, IN MSA | 17 | 481,191 | 3.5 | Lima, OH MSA | 4 | 154,242 | 2.6 |
| Raleigh-Durham-Chapel Hill, NC MSA | 38 | 1,079,873 | 3.5 | Wheeling, WV-OH MSA | 4 | 152,903 | 2.6 |
| Sacramento, CA PMSA | 53 | 1,531,963 | 3.5 | Duluth-Superior, MN-WI MSA | 6 | 236,464 | 2.5 |
| Santa Rosa, CA PMSA | 15 | 433,304 | 3.5 | Miami, FL PMSA | 53 | 2,152,437 | 2.5 |
| Fort Worth-Arlington, TX PMSA | 54 | 1,592,577 | 3.4 | Sioux City, IA-NE MSA | 3 | 120,464 | 2.5 |
| Tucson, AZ MSA | 27 | 790,755 | 3.4 | Anchorage, AK MSA | 6 | 254,982 | 2.4 |
| Utica-Rome, NY MSA | 10 | 294,677 | 3.4 | Dover, DE MSA | 3 | 124,089 | 2.4 |
| West Palm Beach-Boca Raton, FL MSA | 35 | 1,032,625 | 3.4 | Fort Pierce-Port St. Lucie, FL MSA | 7 | 295,118 | 2.4 |
| Austin-San Marcos, TX MSA | 37 | 1,105,909 | 3.3 | Melbourne-Titusville-Palm Bay, FL MSA | 11 | 466,093 | 2.4 |
| La Crosse, WI-MN MSA | 4 | 121,832 | 3.3 | Newburgh, NY-PA PMSA | 9 | 369,392 | 2.4 |

| Metro Area Name | Design Patents | | Patents per 100K pop. | | Metro Area Name | Design Patents | | Patents per 100K pop. | |
|---|----------------|-----------------|-----------------------|---------------|--|----------------|-----------------|-----------------------|---------------|
| | Granted | Population 1998 | Population 1998 | per 100K pop. | | Granted | Population 1998 | Population 1998 | per 100K pop. |
| Redding, CA MSA | 4 | 164,349 | 2.4 | 2.4 | Tulsa, OK MSA | 15 | 776,906 | 1.9 | 1.9 |
| Asheville, NC MSA | 5 | 213,629 | 2.3 | 2.3 | Washington, DC-MD-VA-WV PMSA | 87 | 4,673,902 | 1.9 | 1.9 |
| Dubuque, IA MSA | 2 | 87,806 | 2.3 | 2.3 | Chattanooga, TN-GA MSA | 8 | 450,283 | 1.8 | 1.8 |
| Dutchess County, NY PMSA | 6 | 265,317 | 2.3 | 2.3 | Fargo-Moorhead, ND-MN MSA | 3 | 168,431 | 1.8 | 1.8 |
| Knoxville, TN MSA | 15 | 659,074 | 2.3 | 2.3 | Flint, MI PMSA | 8 | 436,084 | 1.8 | 1.8 |
| Oklahoma City, OK MSA | 24 | 1,038,999 | 2.3 | 2.3 | Fort Walton Beach, FL MSA | 3 | 169,289 | 1.8 | 1.8 |
| Pittsburgh, PA MSA | 55 | 2,346,153 | 2.3 | 2.3 | Harrisburg-Lebanon-Carlisle, PA MSA | 11 | 616,031 | 1.8 | 1.8 |
| Pittsfield, MA NECMA | 3 | 133,038 | 2.3 | 2.3 | Lansing-East Lansing, MI MSA | 8 | 449,683 | 1.8 | 1.8 |
| Ann Arbor, MI PMSA | 12 | 547,646 | 2.2 | 2.2 | Bloomington, IN MSA | 2 | 115,130 | 1.7 | 1.7 |
| Athens, GA MSA | 3 | 138,679 | 2.2 | 2.2 | Lake Charles, LA MSA | 3 | 180,330 | 1.7 | 1.7 |
| Bismarck, ND MSA | 2 | 91,442 | 2.2 | 2.2 | Ocala, FL MSA | 4 | 241,513 | 1.7 | 1.7 |
| Charleston-North Charleston, SC MSA | 12 | 541,159 | 2.2 | 2.2 | Saginaw-Bay City-Midland, MI MSA | 7 | 401,991 | 1.7 | 1.7 |
| Colorado Springs, CO MSA | 11 | 490,378 | 2.2 | 2.2 | Waterloo-Cedar Falls, IA MSA | 2 | 121,121 | 1.7 | 1.7 |
| Columbus, GA-AL MSA | 6 | 272,133 | 2.2 | 2.2 | Hagerstown, MD PMSA | 2 | 127,352 | 1.6 | 1.6 |
| Davenport-Moline-Rock Island, IA-IL MSA | 8 | 357,813 | 2.2 | 2.2 | Lexington, KY MSA | 7 | 449,645 | 1.6 | 1.6 |
| Jacksonville, FL MSA | 23 | 1,044,684 | 2.2 | 2.2 | New Orleans, LA MSA | 21 | 1,309,445 | 1.6 | 1.6 |
| Las Vegas, NV-AZ MSA | 29 | 1,321,546 | 2.2 | 2.2 | Richland-Kennewick-Pasco, WA MSA | 3 | 182,709 | 1.6 | 1.6 |
| Missoula, MT MSA | 2 | 88,989 | 2.2 | 2.2 | Albany-Schenectady-Troy, NY MSA | 13 | 871,604 | 1.5 | 1.5 |
| Nashville, TN MSA | 25 | 1,156,225 | 2.2 | 2.2 | Albuquerque, NM MSA | 10 | 678,633 | 1.5 | 1.5 |
| Steubenville-Weirton, OH-WV MSA | 3 | 134,535 | 2.2 | 2.2 | Merced, CA MSA | 3 | 197,730 | 1.5 | 1.5 |
| Stockton-Lodi, CA MSA | 12 | 550,445 | 2.2 | 2.2 | Bangor, ME NECMA | 2 | 142,323 | 1.4 | 1.4 |
| Bremerton, WA PMSA | 5 | 232,623 | 2.1 | 2.1 | Columbia, SC MSA | 7 | 512,316 | 1.4 | 1.4 |
| Burlington, VT NECMA | 4 | 192,895 | 2.1 | 2.1 | Little Rock-North Little Rock, AR MSA | 8 | 556,295 | 1.4 | 1.4 |
| Gary, IN PMSA | 13 | 624,049 | 2.1 | 2.1 | Vineland-Millville-Bridgeton, NJ PMSA | 2 | 140,341 | 1.4 | 1.4 |
| Hamilton-Middletown, OH PMSA | 7 | 330,428 | 2.1 | 2.1 | Yakima, WA MSA | 3 | 218,062 | 1.4 | 1.4 |
| Buffalo-Niagra Falls, NY MSA | 23 | 1,152,541 | 2.0 | 2.0 | Charlottesville, VA MSA | 2 | 149,190 | 1.3 | 1.3 |
| Fort Myers-Cape Coral, FL MSA | 8 | 392,895 | 2.0 | 2.0 | Great Falls, MT MSA | 1 | 78,983 | 1.3 | 1.3 |
| Houston, TX PMSA | 79 | 3,931,688 | 2.0 | 2.0 | Jonesboro, AR MSA | 1 | 77,500 | 1.3 | 1.3 |
| Janesville-Beloit, WI MSA | 3 | 150,736 | 2.0 | 2.0 | Macon, GA MSA | 4 | 319,502 | 1.3 | 1.3 |
| Kalamazoo-Battle Creek, MI MSA | 9 | 446,331 | 2.0 | 2.0 | Brownsville-Harlingen-San Benito, TX MSA | 4 | 326,449 | 1.2 | 1.2 |
| Louisville, KY-IN MSA | 20 | 999,267 | 2.0 | 2.0 | Lafayette, IN MSA | 2 | 172,220 | 1.2 | 1.2 |
| New London-Norwich, CT NECMA | 5 | 245,740 | 2.0 | 2.0 | Medford-Ashland, OR MSA | 2 | 173,123 | 1.2 | 1.2 |
| Peoria-Pekin, IL MSA | 7 | 344,779 | 2.0 | 2.0 | Portland, ME NECMA | 3 | 253,582 | 1.2 | 1.2 |
| Richmond-Petersburg, VA MSA | 19 | 957,032 | 2.0 | 2.0 | St. Cloud, MN MSA | 2 | 162,222 | 1.2 | 1.2 |
| Rockford, IL MSA | 7 | 356,887 | 2.0 | 2.0 | Topeka, KS MSA | 2 | 165,348 | 1.2 | 1.2 |
| Springfield, IL MSA | 4 | 203,847 | 2.0 | 2.0 | Beaumont-Port Arthur, TX MSA | 4 | 375,564 | 1.1 | 1.1 |
| Vallejo-Fairfield-Napa, CA PMSA | 10 | 496,703 | 2.0 | 2.0 | Biloxi-Gulfport-Pascagoula, MS MSA | 4 | 349,218 | 1.1 | 1.1 |
| Dayton-Springfield, OH MSA | 9 | 470,864 | 1.9 | 1.9 | Fayetteville-Springdale-Rogers, AR MSA | 3 | 272,616 | 1.1 | 1.1 |
| Salinas, CA MSA | 7 | 365,605 | 1.9 | 1.9 | Lawrence, KS MSA | 1 | 93,137 | 1.1 | 1.1 |

| Metro Area Name | Design Patents Granted | Population 1998 | Patents per 100K pop. | Metro Area Name | Design Patents Granted | Population 1998 | Patents per 100K pop. |
|---------------------------------|------------------------|-----------------|-----------------------|--|------------------------|-----------------|-----------------------|
| | | | | | | | |
| Mansfield, OH MSA | 2 | 174,559 | 1.1 | Erie, PA MSA | 2 | 276,401 | 0.7 |
| Myrtle Beach, SC MSA | 2 | 174,762 | 1.1 | Evansville-Henderson, IN-KY MSA | 2 | 290,757 | 0.7 |
| Owensboro, KY MSA | 1 | 91,139 | 1.1 | Honolulu, HI MSA | 6 | 872,478 | 0.7 |
| San Antonio, TX MSA | 17 | 1,538,338 | 1.1 | Jackson, MS MSA | 3 | 429,614 | 0.7 |
| Savannah, GA MSA | 3 | 285,508 | 1.1 | Jacksonville, NC MSA | 1 | 142,358 | 0.7 |
| Shreveport-Bossier City, LA MSA | 4 | 378,641 | 1.1 | Joplin, MO MSA | 1 | 148,684 | 0.7 |
| Amarillo, TX MSA | 2 | 208,607 | 1.0 | Pueblo, CO MSA | 1 | 134,867 | 0.7 |
| Auburn-Opelika, AL MSA | 1 | 100,444 | 1.0 | Santa Fe, NM MSA | 1 | 141,730 | 0.7 |
| Grand Forks, ND-MN MSA | 1 | 97,823 | 1.0 | Springfield, MO MSA | 2 | 304,863 | 0.7 |
| Houma, LA MSA | 2 | 193,858 | 1.0 | Youngstown-Warren, OH MSA | 4 | 591,752 | 0.7 |
| San Angelo, TX MSA | 1 | 102,775 | 1.0 | Yuba City, CA MSA | 1 | 137,043 | 0.7 |
| Sherman-Denison, TX MSA | 1 | 102,815 | 1.0 | Champaign-Urbana, IL MSA | 1 | 167,788 | 0.6 |
| Spokane, WA MSA | 4 | 408,669 | 1.0 | Jackson, MI MSA | 1 | 156,157 | 0.6 |
| St. Joseph, MO MSA | 1 | 97,338 | 1.0 | Norfolk-Virginia Beach-Newport News, VA-NC MSA | 9 | 1,542,143 | 0.6 |
| Augusta-Aiken, GA-SC MSA | 4 | 458,271 | 0.9 | Tuscaloosa, AL MSA | 1 | 160,768 | 0.6 |
| Baton Rouge, LA MSA | 5 | 575,129 | 0.9 | Tyler, TX MSA | 1 | 168,783 | 0.6 |
| Brazoria, TX PMSA | 2 | 230,335 | 0.9 | Fort Smith, AR-OK MSA | 1 | 194,045 | 0.5 |
| Goldsboro, NC MSA | 1 | 112,227 | 0.9 | Laredo, TX MSA | 1 | 188,166 | 0.5 |
| Lakeland-Winter Haven, FL MSA | 4 | 452,584 | 0.9 | Waco, TX MSA | 1 | 203,446 | 0.5 |
| Lawton, OK MSA | 1 | 113,508 | 0.9 | Fayetteville, NC MSA | 1 | 284,629 | 0.4 |
| Modesto, CA MSA | 4 | 426,460 | 0.9 | Lincoln, NE MSA | 1 | 235,589 | 0.4 |
| Muncie, IN MSA | 1 | 116,828 | 0.9 | Lubbock, TX MSA | 1 | 229,475 | 0.4 |
| Salem, OR PMSA | 3 | 330,101 | 0.9 | McAllen-Edinburg-Mission, TX MSA | 2 | 522,204 | 0.4 |
| Altoona, PA MSA | 1 | 130,615 | 0.8 | Odessa-Midland, TX MSA | 1 | 245,376 | 0.4 |
| Bakersfield, CA MSA | 5 | 631,459 | 0.8 | El Paso, TX MSA | 2 | 703,127 | 0.3 |
| Billings, MT MSA | 1 | 126,158 | 0.8 | Killeen-Temple, TX MSA | 1 | 301,449 | 0.3 |
| Charleston, WV MSA | 2 | 253,175 | 0.8 | Montgomery, AL MSA | 1 | 321,781 | 0.3 |
| Columbia, MO MSA | 1 | 129,098 | 0.8 | Visalia-Tulare-Porterville, CA MSA | 1 | 355,240 | 0.3 |
| Flagstaff, AZ-UT MSA | 1 | 120,371 | 0.8 | Abilene, TX MSA | 0 | 122,016 | 0.0 |
| Florence, SC MSA | 1 | 124,904 | 0.8 | Albany, GA MSA | 0 | 118,076 | 0.0 |
| Fresno, CA MSA | 7 | 870,478 | 0.8 | Alexandria, LA MSA | 0 | 126,763 | 0.0 |
| Galveston-Texas City TX PMSA | 2 | 245,556 | 0.8 | Anniston, AL MSA | 0 | 117,018 | 0.0 |
| Johnstown, PA MSA | 2 | 236,347 | 0.8 | Casper, WY MSA | 0 | 63,341 | 0.0 |
| Lafayette, LA MSA | 3 | 375,718 | 0.8 | Cedar Rapids, IA MSA | 0 | 182,651 | 0.0 |
| Mobile, AL MSA | 4 | 532,257 | 0.8 | Cheyenne, WY MSA | 0 | 78,872 | 0.0 |
| Tallahassee, FL MSA | 2 | 261,021 | 0.8 | Clarksville-Hopkinsville, TN-KY MSA | 0 | 199,758 | 0.0 |
| Yuma, AZ MSA | 1 | 132,259 | 0.8 | Corpus Christi, TX MSA | 0 | 387,733 | 0.0 |
| Birmingham, AL MSA | 6 | 908,508 | 0.7 | Cumberland, MD-WV MSA | 0 | 98,070 | 0.0 |
| Decatur, AL MSA | 1 | 142,816 | 0.7 | Danville, VA MSA | 0 | 108,252 | 0.0 |

| Metro Area Name | Design Patents Granted | Population 1998 | Patents per 100K pop. | Metro Area Name | Design Patents Granted | Population 1998 | Patents per 100K pop. |
|---|------------------------|-----------------|-----------------------|---------------------------------|------------------------|-----------------|-----------------------|
| Decatur, IL MSA | 0 | 113,772 | 0.0 | Las Cruces, NM MSA | 0 | 169,165 | 0.0 |
| Elmira, NY MSA | 0 | 92,021 | 0.0 | Lewiston-Auburn, ME NECMA | 0 | 101,280 | 0.0 |
| Enid, OK MSA | 0 | 56,859 | 0.0 | Longview-Marshall, TX MSA | 0 | 208,988 | 0.0 |
| Gadsden, AL MSA | 0 | 103,975 | 0.0 | Monroe, LA MSA | 0 | 146,979 | 0.0 |
| Gainesville, FL MSA | 0 | 198,662 | 0.0 | Olympia, WA PMSA | 0 | 202,255 | 0.0 |
| Glens Falls, NY MSA | 0 | 121,742 | 0.0 | Pensacola, FL MSA | 0 | 399,625 | 0.0 |
| Grand Junction, CO MSA | 0 | 112,891 | 0.0 | Pine Bluff, AR MSA | 0 | 81,556 | 0.0 |
| Greenville, NC MSA | 0 | 126,630 | 0.0 | Rapid City, SD MSA | 0 | 87,702 | 0.0 |
| Huntington-Ashland, WV-KY-OH MSA | 0 | 313,922 | 0.0 | Rocky Mount, NC MSA | 0 | 146,167 | 0.0 |
| Jamestown, NY MSA | 0 | 138,103 | 0.0 | Sioux Falls, SD MSA | 0 | 163,422 | 0.0 |
| Johnson City-Kingsport-Bristol, TN-VA MSA | 0 | 462,345 | 0.0 | Texarkana, TX-Texarkana, AR MSA | 0 | 123,366 | 0.0 |
| Kankakee, IL PMSA | 0 | 102,107 | 0.0 | Victoria, TX MSA | 0 | 82,650 | 0.0 |
| Kokomo, IN MSA | 0 | 100,176 | 0.0 | Wichita Falls, TX MSA | 0 | 137,237 | 0.0 |

Number of DESIGN patents granted per 100,000 population
by metropolitan area, 1998 (independent inventors only)



**Table 5. Number of DESIGN Patents Granted per 100,000 Population, by Metropolitan Area, 1998
(Independent Inventors Only)**

Metropolitan areas are based on definitions effective July 1, 1999. MSA = metropolitan statistical area; NECMA = New England county metropolitan area; PMSA = primary metropolitan statistical area. The geographic distribution of patents is based on the residence of the first-named inventor.

| Metro Area Name | Design Patents | | | Patents per 100K pop. | | |
|---|----------------|-----------------|---------------|-----------------------|-----------------|---------------|
| | Granted | Population 1998 | per 100K pop. | Granted | Population 1998 | per 100K pop. |
| Reno, NV MSA | 19 | 313,660 | 6.1 | 6 | 218,248 | 2.7 |
| Sharon, PA MSA | 7 | 121,938 | 5.7 | 4 | 156,830 | 2.6 |
| Ventura, CA PMSA | 36 | 731,967 | 4.9 | 75 | 2,931,004 | 2.6 |
| Chico-Paradise, CA MSA | 9 | 194,597 | 4.6 | 3 | 116,702 | 2.6 |
| Orange County, CA PMSA | 123 | 2,721,701 | 4.5 | 3 | 117,308 | 2.6 |
| Los Angeles-Long Beach, CA PMSA | 378 | 9,213,533 | 4.1 | 6 | 236,464 | 2.5 |
| Santa Barbara-Santa Maria-Lompoc, CA MSA | 16 | 389,502 | 4.1 | 6 | 254,982 | 2.4 |
| Naples, FL MSA | 8 | 199,436 | 4.0 | 5 | 208,418 | 2.4 |
| Newark, NJ PMSA | 65 | 1,952,407 | 3.3 | 53 | 2,222,731 | 2.4 |
| Parkersburg-Marietta, WV-OH MSA | 5 | 150,181 | 3.3 | 46 | 1,938,642 | 2.4 |
| New Haven-Bridgeport-Stamford-Danbury-Waterbury, CT NECMA | 52 | 1,631,866 | 3.2 | 11 | 456,414 | 2.4 |
| San Diego, CA MSA | 89 | 2,780,592 | 3.2 | 5 | 208,039 | 2.4 |
| Yolo, CA PMSA | 5 | 153,849 | 3.2 | 37 | 1,531,963 | 2.4 |
| Portland-Vancouver, OR-WA PMSA | 56 | 1,818,955 | 3.1 | 14 | 588,993 | 2.4 |
| Reading, PA MSA | 11 | 355,956 | 3.1 | 8 | 331,629 | 2.4 |
| San Francisco, CA PMSA | 53 | 1,683,309 | 3.1 | 5 | 213,629 | 2.3 |
| Boulder-Longmont, CO PMSA | 8 | 267,274 | 3.0 | 53 | 2,318,522 | 2.3 |
| Provo-Orem, UT MSA | 10 | 335,635 | 3.0 | 3 | 133,038 | 2.3 |
| Punta Gorda, FL MSA | 4 | 134,899 | 3.0 | 53 | 2,312,978 | 2.3 |
| Fort Lauderdale, FL PMSA | 43 | 1,503,407 | 2.9 | 24 | 1,032,625 | 2.3 |
| Eau Claire, WI MSA | 4 | 143,861 | 2.8 | 2 | 91,442 | 2.2 |
| Minneapolis-St. Paul, MN-WI MSA | 79 | 2,831,234 | 2.8 | 70 | 3,209,886 | 2.2 |
| Santa Rosa, CA PMSA | 12 | 433,304 | 2.8 | 3 | 137,271 | 2.2 |
| Sarasota-Bradenton, FL MSA | 15 | 543,082 | 2.8 | 5 | 231,221 | 2.2 |
| Nassau-Suffolk, NY PMSA | 72 | 2,673,489 | 2.7 | 2 | 88,989 | 2.2 |
| Panama City, FL MSA | 4 | 146,999 | 2.7 | 24 | 1,093,253 | 2.2 |
| Pocatello, ID MSA | 2 | 74,866 | 2.7 | 189 | 8,692,782 | 2.2 |
| Racine, WI PMSA | 5 | 186,119 | 2.7 | 13 | 616,877 | 2.1 |
| Tucson, AZ MSA | 21 | 790,755 | 2.7 | 5 | 232,623 | 2.1 |
| Providence-Warwick-Pawtucket, RI NECMA | 19 | 905,612 | 2.1 | 32 | 1,504,569 | 2.1 |
| | | | | 6 | 365,605 | 1.6 |

Design (independent inventors)

| Metro Area Name | | Design Patents Granted | Population 1998 | Patents per 100K pop. | Metro Area Name | | Design Patents Granted | Population 1998 | Patents per 100K pop. |
|--|--|------------------------|-----------------|-----------------------|--|--|------------------------|-----------------|-----------------------|
| San Jose, CA PMSA | | 34 | 1,641,215 | 2.1 | Stockton-Lodi, CA MSA | | 9 | 550,445 | 1.6 |
| Santa Cruz-Watsonville, CA PMSA | | 5 | 242,994 | 2.1 | Tacoma-WA PMSA | | 11 | 676,505 | 1.6 |
| Binghamton, NY MSA | | 5 | 249,022 | 2.0 | Wausau, WI MSA | | 2 | 123,223 | 1.6 |
| Fort Pierce-Port St. Lucie, FL MSA | | 6 | 295,118 | 2.0 | Akron, OH PMSA | | 10 | 688,952 | 1.5 |
| Hartford, CT NECMA | | 22 | 1,110,065 | 2.0 | Dayton-Springfield, OH MSA | | 7 | 470,864 | 1.5 |
| Riverside-San Bernardino, CA PMSA | | 62 | 3,114,072 | 2.0 | Fort Myers-Cape Coral, FL MSA | | 6 | 392,895 | 1.5 |
| St. Louis, MO-IL MSA | | 51 | 2,563,801 | 2.0 | Scranton--Wilkes-Barre--Hazleton, PA MSA | | 9 | 615,491 | 1.5 |
| Tampa-St. Petersburg-Clearwater, FL MSA | | 45 | 2,256,559 | 2.0 | South Bend, IN MSA | | 4 | 258,088 | 1.5 |
| Chicago, IL PMSA | | 151 | 7,939,351 | 1.9 | Springfield, IL MSA | | 3 | 203,847 | 1.5 |
| Eugene-Springfield, OR MSA | | 6 | 314,068 | 1.9 | Athens, GA MSA | | 2 | 138,679 | 1.4 |
| Philadelphia, PA-NJ PMSA | | 95 | 4,946,562 | 1.9 | Atlanta, GA MSA | | 52 | 3,746,059 | 1.4 |
| Sumter, SC MSA | | 2 | 107,127 | 1.9 | Bloomington-Normal, IL MSA | | 2 | 142,652 | 1.4 |
| Bergen-Passaic, NJ PMSA | | 24 | 1,344,266 | 1.8 | Columbia, SC MSA | | 7 | 512,316 | 1.4 |
| Fargo-Moorhead, ND-MN MSA | | 3 | 168,431 | 1.8 | Des Moines, IA MSA | | 6 | 436,922 | 1.4 |
| Flint, MI PMSA | | 8 | 436,084 | 1.8 | Middlesex-Somerset-Hunterdon, NJ PMSA | | 16 | 1,121,504 | 1.4 |
| Fort Walton Beach, FL MSA | | 3 | 169,289 | 1.8 | New Orleans, LA MSA | | 18 | 1,309,445 | 1.4 |
| Greensboro--Winston-Salem--High Point, NC MSA | | 21 | 1,167,629 | 1.8 | Utica-Rome, NY MSA | | 4 | 294,677 | 1.4 |
| Las Vegas, NV-AZ MSA | | 24 | 1,321,546 | 1.8 | Vineland-Millville-Bridgeton, NJ PMSA | | 2 | 140,341 | 1.4 |
| Miami, FL PMSA | | 38 | 2,152,437 | 1.8 | Boise City, ID MSA | | 5 | 395,953 | 1.3 |
| Oklahoma City, OK MSA | | 19 | 1,038,999 | 1.8 | Corvallis, OR MSA | | 1 | 77,755 | 1.3 |
| Redding, CA MSA | | 3 | 164,349 | 1.8 | Detroit, MI PMSA | | 59 | 4,473,853 | 1.3 |
| Daytona Beach, FL MSA | | 16 | 948,522 | 1.7 | Great Falls, MT MSA | | 1 | 78,983 | 1.3 |
| Jacksonville, FL MSA | | 18 | 1,044,684 | 1.7 | Greeley, CO PMSA | | 2 | 159,429 | 1.3 |
| Knoxville, TN MSA | | 11 | 659,074 | 1.7 | Janesville-Beloit, WI MSA | | 2 | 150,736 | 1.3 |
| Peoria-Pekin, IL MSA | | 6 | 344,779 | 1.7 | Macon, GA MSA | | 4 | 319,502 | 1.3 |
| Salt Lake City-Ogden, UT MSA | | 22 | 1,267,745 | 1.7 | Pittsburgh, PA MSA | | 30 | 2,346,153 | 1.3 |
| San Luis Obispo-Atascadero-Paso Robles, CA MSA | | 4 | 234,366 | 1.7 | Roanoke, VA MSA | | 3 | 227,828 | 1.3 |
| Sioux City, IA-NE MSA | | 2 | 120,464 | 1.7 | Wheeling, WV-OH MSA | | 2 | 152,903 | 1.3 |
| Boston-Worcester-Lawrence-Lowell-Brockton, MA-NH NECMA | | 92 | 5,867,187 | 1.6 | Cincinnati, OH-KY-IN PMSA | | 19 | 1,617,836 | 1.2 |
| Burlington, VT NECMA | | 3 | 192,895 | 1.6 | Columbus, OH MSA | | 17 | 1,469,604 | 1.2 |
| Charlotte-Gastonia-Rock Hill, NC-SC MSA | | 22 | 1,383,080 | 1.6 | Elkhart-Goshen, IN MSA | | 2 | 172,310 | 1.2 |
| Dover, DE MSA | | 2 | 124,089 | 1.6 | Houston, TX PMSA | | 48 | 3,931,688 | 1.2 |
| Fort Worth-Arlington, TX PMSA | | 26 | 1,592,577 | 1.6 | Huntsville, AL MSA | | 4 | 340,428 | 1.2 |
| Grand Rapids-Muskegon-Holland, MI MSA | | 17 | 1,037,933 | 1.6 | Madison, WI MSA | | 5 | 424,586 | 1.2 |
| Hagerstown, MD PMSA | | 2 | 127,352 | 1.6 | Medford-Ashland, OR MSA | | 2 | 173,123 | 1.2 |
| Kansas City, MO-KS MSA | | 27 | 1,737,025 | 1.6 | Milwaukee-Waukesha, WI PMSA | | 17 | 1,459,805 | 1.2 |
| Newburgh, NY-PA PMSA | | 6 | 369,392 | 1.6 | Ocala, FL MSA | | 3 | 241,513 | 1.2 |
| | | | | | Syracuse, NY MSA | | 9 | 734,640 | 1.2 |

| Metro Area Name | Design Patents Granted | Population 1998 | Patents per 100K pop. | Metro Area Name | Design Patents Granted | Population 1998 | Patents per 100K pop. |
|--|------------------------|-----------------|-----------------------|---------------------------------------|------------------------|-----------------|-----------------------|
| Topoka, KS MSA | 2 | 165,348 | 1.2 | Lansing-East Lansing, MI MSA | 4 | 449,683 | 0.9 |
| Washington, DC-MD-VA-WV PMSA | 57 | 4,673,902 | 1.2 | Lawton, OK MSA | 1 | 113,508 | 0.9 |
| Beaumont-Port Arthur, TX MSA | 4 | 375,564 | 1.1 | Melbourne-Titusville-Palm Bay, FL MSA | 4 | 466,093 | 0.9 |
| Biloxi-Gulfport-Pascagoula, MS MSA | 4 | 349,218 | 1.1 | Muncie, IN MSA | 1 | 116,828 | 0.9 |
| Chattanooga, TN-GA MSA | 5 | 450,283 | 1.1 | Nashville, TN MSA | 10 | 1,156,225 | 0.9 |
| Dubuque, IA MSA | 1 | 87,806 | 1.1 | Omaha, NE-IA MSA | 6 | 693,900 | 0.9 |
| Dutchess County, NY PMSA | 3 | 265,317 | 1.1 | Richmond-Petersburg, VA MSA | 9 | 957,032 | 0.9 |
| Greenville-Spartanburg-Anderson, SC MSA | 10 | 918,351 | 1.1 | Salem, OR PMSA | 3 | 330,101 | 0.9 |
| Harrisburg-Lebanon-Carlisle, PA MSA | 7 | 616,031 | 1.1 | Sheboygan, WI MSA | 1 | 110,170 | 0.9 |
| Lake Charles, LA MSA | 2 | 180,330 | 1.1 | Albany-Schenectady-Troy, NY MSA | 7 | 871,604 | 0.8 |
| Lawrence, KS MSA | 1 | 93,137 | 1.1 | Bakersfield, CA MSA | 5 | 631,459 | 0.8 |
| Myrtle Beach, SC MSA | 2 | 174,762 | 1.1 | Columbia, MO MSA | 1 | 129,098 | 0.8 |
| Raleigh-Durham-Chapel Hill, NC MSA | 12 | 1,079,873 | 1.1 | Flagstaff, AZ-UT MSA | 1 | 120,371 | 0.8 |
| Richland-Kennewick-Pasco, WA MSA | 2 | 182,709 | 1.1 | Florence, SC MSA | 1 | 124,904 | 0.8 |
| Rochester, NY MSA | 12 | 1,081,883 | 1.1 | Fort Wayne, IN MSA | 4 | 481,191 | 0.8 |
| Shreveport-Bossier City, LA MSA | 4 | 378,641 | 1.1 | Johnstown, PA MSA | 2 | 236,347 | 0.8 |
| Wilmington-Newark, DE-MD PMSA | 6 | 565,329 | 1.1 | La Crosse, WI-MN MSA | 1 | 121,832 | 0.8 |
| York, PA MSA | 4 | 373,255 | 1.1 | Lafayette, LA MSA | 3 | 375,718 | 0.8 |
| Amarillo, TX MSA | 2 | 208,607 | 1.0 | Mobile, AL MSA | 4 | 532,257 | 0.8 |
| Austin-San Marcos, TX MSA | 11 | 1,105,909 | 1.0 | Rockford, IL MSA | 3 | 356,887 | 0.8 |
| Baltimore, MD PMSA | 26 | 2,483,952 | 1.0 | Vallejo-Fairfield-Napa, CA PMSA | 4 | 496,703 | 0.8 |
| Gary, IN PMSA | 6 | 624,049 | 1.0 | Waterloo-Cedar Falls, IA MSA | 1 | 121,121 | 0.8 |
| Grand Forks, ND-MN MSA | 1 | 97,823 | 1.0 | Yuma, AZ MSA | 1 | 132,259 | 0.8 |
| Houma, LA MSA | 2 | 193,858 | 1.0 | Albuquerque, NM MSA | 5 | 678,633 | 0.7 |
| Iowa City, IA MSA | 1 | 102,724 | 1.0 | Ann Arbor, MI PMSA | 4 | 547,646 | 0.7 |
| Louisville, KY-IN MSA | 10 | 999,267 | 1.0 | Augusta-Aiken, GA-SC MSA | 3 | 458,271 | 0.7 |
| San Angelo, TX MSA | 1 | 102,775 | 1.0 | Bangor, ME NECMA | 1 | 142,323 | 0.7 |
| San Antonio, TX MSA | 15 | 1,538,338 | 1.0 | Bryan-College Station, TX MSA | 1 | 133,407 | 0.7 |
| Sherman-Denison, TX MSA | 1 | 102,815 | 1.0 | Canton-Massillon, OH MSA | 3 | 402,207 | 0.7 |
| St. Joseph, MO MSA | 1 | 97,338 | 1.0 | Columbus, GA-AL MSA | 2 | 272,133 | 0.7 |
| Atlantic-Cape May, NJ PMSA | 3 | 336,116 | 0.9 | Dothan, AL MSA | 1 | 134,749 | 0.7 |
| Bloomington, IN MSA | 1 | 115,130 | 0.9 | Evansville-Henderson, IN-KY MSA | 2 | 290,757 | 0.7 |
| Brownsville-Harlingen-San Benito, TX MSA | 3 | 326,449 | 0.9 | Honolulu, HI MSA | 6 | 872,478 | 0.7 |
| Buffalo-Niagra Falls, NY MSA | 10 | 1,152,541 | 0.9 | Indianapolis, IN MSA | 10 | 1,519,194 | 0.7 |
| Charleston-North Charleston, SC MSA | 5 | 541,159 | 0.9 | Jackson, MS MSA | 3 | 429,614 | 0.7 |
| Goldsboro, NC MSA | 1 | 112,227 | 0.9 | Jacksonville, NC MSA | 1 | 142,358 | 0.7 |
| Hickory-Morganton-Lenoir, NC MSA | 3 | 322,608 | 0.9 | Kenosha, WI PMSA | 1 | 144,339 | 0.7 |
| Jersey City, NJ PMSA | 5 | 557,159 | 0.9 | Little Rock-North Little Rock, AR MSA | 4 | 556,295 | 0.7 |
| Lakeland-Winter Haven, FL MSA | 4 | 452,584 | 0.9 | Modesto, CA MSA | 3 | 426,460 | 0.7 |

| Metro Area Name | Design Patents | | Patents per 100K pop. | | Metro Area Name | Design Patents | | Patents per 100K pop. | |
|--|----------------|-----------------|-----------------------|---------------|---|----------------|-----------------|-----------------------|---------------|
| | Granted | Population 1998 | Population 1998 | per 100K pop. | | Granted | Population 1998 | Population 1998 | per 100K pop. |
| Pueblo, CO MSA | 1 | 134,867 | 0.7 | 0.7 | Colorado Springs, CO MSA | 1 | 490,378 | 0.2 | 0.2 |
| Santa Fe, NM MSA | 1 | 141,730 | 0.7 | 0.7 | Kalamazoo-Battle Creek, MI MSA | 1 | 446,331 | 0.2 | 0.2 |
| Spokane, WA MSA | 3 | 408,669 | 0.7 | 0.7 | El Paso, TX MSA | 1 | 703,127 | 0.1 | 0.1 |
| Steubenville-Weirton, OH-WV MSA | 1 | 134,535 | 0.7 | 0.7 | Abilene, TX MSA | 0 | 122,016 | 0.0 | 0.0 |
| Terre Haute, IN MSA | 1 | 148,628 | 0.7 | 0.7 | Albany, GA MSA | 0 | 118,076 | 0.0 | 0.0 |
| Toledo, OH MSA | 4 | 609,935 | 0.7 | 0.7 | Alexandria, LA MSA | 0 | 126,763 | 0.0 | 0.0 |
| Yuba City, CA MSA | 1 | 137,043 | 0.7 | 0.7 | Altoona, PA MSA | 0 | 130,615 | 0.0 | 0.0 |
| Lima, OH MSA | 1 | 154,242 | 0.6 | 0.6 | Anniston, AL MSA | 0 | 117,018 | 0.0 | 0.0 |
| Mansfield, OH MSA | 1 | 174,559 | 0.6 | 0.6 | Appleton-Oshkosh-Neenah, WI MSA | 0 | 344,464 | 0.0 | 0.0 |
| Memphis, TN-AR-MS MSA | 7 | 1,093,427 | 0.6 | 0.6 | Auburn-Opelika, AL MSA | 0 | 100,444 | 0.0 | 0.0 |
| St. Cloud, MN MSA | 1 | 162,222 | 0.6 | 0.6 | Benton Harbor, MI MSA | 0 | 160,245 | 0.0 | 0.0 |
| Tulsa, OK MSA | 5 | 776,906 | 0.6 | 0.6 | Billings, MT MSA | 0 | 126,158 | 0.0 | 0.0 |
| Tuscaloosa, AL MSA | 1 | 160,768 | 0.6 | 0.6 | Casper, WY MSA | 0 | 63,341 | 0.0 | 0.0 |
| Tyler, TX MSA | 1 | 168,783 | 0.6 | 0.6 | Cedar Rapids, IA MSA | 0 | 182,651 | 0.0 | 0.0 |
| Fort Smith, AR-OK MSA | 1 | 194,045 | 0.5 | 0.5 | Champaign-Urbana, IL MSA | 0 | 167,788 | 0.0 | 0.0 |
| Fresno, CA MSA | 4 | 870,478 | 0.5 | 0.5 | Charlottesville, VA MSA | 0 | 149,190 | 0.0 | 0.0 |
| Green Bay, WI MSA | 1 | 215,373 | 0.5 | 0.5 | Cheyenne, WY MSA | 0 | 78,872 | 0.0 | 0.0 |
| Laredo, TX MSA | 1 | 188,166 | 0.5 | 0.5 | Clarksville-Hopkinsville, TN-KY MSA | 0 | 199,758 | 0.0 | 0.0 |
| Merced, CA MSA | 1 | 197,730 | 0.5 | 0.5 | Corpus Christi, TX MSA | 0 | 387,733 | 0.0 | 0.0 |
| Norfolk-Virginia Beach-Newport News, VA-NC MSA | 7 | 1,542,143 | 0.5 | 0.5 | Cumberland, MD-WV MSA | 0 | 98,070 | 0.0 | 0.0 |
| Saginaw-Bay City-Midland, MI MSA | 2 | 401,991 | 0.5 | 0.5 | Danville, VA MSA | 0 | 108,252 | 0.0 | 0.0 |
| Birmingham, AL MSA | 4 | 908,508 | 0.4 | 0.4 | Decatur, AL MSA | 0 | 142,816 | 0.0 | 0.0 |
| Brazoria, TX PMSA | 1 | 230,335 | 0.4 | 0.4 | Decatur, IL MSA | 0 | 113,772 | 0.0 | 0.0 |
| Charleston, WV MSA | 1 | 253,175 | 0.4 | 0.4 | Elmira, NY MSA | 0 | 92,021 | 0.0 | 0.0 |
| Erie, PA MSA | 1 | 276,401 | 0.4 | 0.4 | Enid, OK MSA | 0 | 56,859 | 0.0 | 0.0 |
| Fayetteville, NC MSA | 1 | 284,629 | 0.4 | 0.4 | Gadsden, AL MSA | 0 | 103,975 | 0.0 | 0.0 |
| Fayetteville-Springdale-Rogers, AR MSA | 1 | 272,616 | 0.4 | 0.4 | Gainesville, FL MSA | 0 | 198,662 | 0.0 | 0.0 |
| Galveston-Texas City TX PMSA | 1 | 245,556 | 0.4 | 0.4 | Glens Falls, NY MSA | 0 | 121,742 | 0.0 | 0.0 |
| McAllen-Edinburg-Mission, TX MSA | 2 | 522,204 | 0.4 | 0.4 | Grand Junction, CO MSA | 0 | 112,891 | 0.0 | 0.0 |
| New London-Norwich, CT NECMA | 1 | 245,740 | 0.4 | 0.4 | Greenville, NC MSA | 0 | 126,630 | 0.0 | 0.0 |
| Odessa-Midland, TX MSA | 1 | 245,376 | 0.4 | 0.4 | Hattiesburg, MS MSA | 0 | 111,252 | 0.0 | 0.0 |
| Savannah, GA MSA | 1 | 285,508 | 0.4 | 0.4 | Huntington-Ashland, WV-KY-OH MSA | 0 | 313,922 | 0.0 | 0.0 |
| Tallahassee, FL MSA | 1 | 261,021 | 0.4 | 0.4 | Jackson, MI MSA | 0 | 156,157 | 0.0 | 0.0 |
| Wichita, KS MSA | 2 | 544,343 | 0.4 | 0.4 | Jackson, TN MSA | 0 | 100,654 | 0.0 | 0.0 |
| Baton Rouge, LA MSA | 2 | 575,129 | 0.3 | 0.3 | Jamestown, NY MSA | 0 | 138,103 | 0.0 | 0.0 |
| Davenport-Moline-Rock Island, IA-IL MSA | 1 | 357,813 | 0.3 | 0.3 | Johnson City-Kingsport-Bristol, TN-VA MSA | 0 | 462,345 | 0.0 | 0.0 |
| Hamilton-Middletown, OH PMSA | 1 | 330,428 | 0.3 | 0.3 | Jonesboro, AR MSA | 0 | 77,500 | 0.0 | 0.0 |
| Killeen-Temple, TX MSA | 1 | 301,449 | 0.3 | 0.3 | Joplin, MO MSA | 0 | 148,684 | 0.0 | 0.0 |
| Montgomery, AL MSA | 1 | 321,781 | 0.3 | 0.3 | Kankakee, IL PMSA | 0 | 102,107 | 0.0 | 0.0 |

Design (independent inventors)

| Metro Area Name | Design Patents Granted | Population 1998 | Patents per 100K pop. | Metro Area Name | Design Patents Granted | Population 1998 | Patents per 100K pop. |
|---------------------------|------------------------|-----------------|-----------------------|------------------------------------|------------------------|-----------------|-----------------------|
| Kokomo, IN MSA | 0 | 100,176 | 0.0 | Portland, ME NECMA | 0 | 253,582 | 0.0 |
| Lafayette, IN MSA | 0 | 172,220 | 0.0 | Rapid City, SD MSA | 0 | 87,702 | 0.0 |
| Las Cruces, NM MSA | 0 | 169,165 | 0.0 | Rocky Mount, NC MSA | 0 | 146,167 | 0.0 |
| Lewiston-Auburn, ME NECMA | 0 | 101,280 | 0.0 | Sioux Falls, SD MSA | 0 | 163,422 | 0.0 |
| Lexington, KY MSA | 0 | 449,645 | 0.0 | Springfield, MO MSA | 0 | 304,863 | 0.0 |
| Lincoln, NE MSA | 0 | 235,589 | 0.0 | State College, PA MSA | 0 | 132,700 | 0.0 |
| Longview-Marshall, TX MSA | 0 | 208,988 | 0.0 | Texarkana, TX-Texarkana, AR MSA | 0 | 123,366 | 0.0 |
| Lubbock, TX MSA | 0 | 229,475 | 0.0 | Victoria, TX MSA | 0 | 82,650 | 0.0 |
| Monroe, LA MSA | 0 | 146,979 | 0.0 | Visalia-Tulare-Porterville, CA MSA | 0 | 355,240 | 0.0 |
| Olympia, WA PMSA | 0 | 202,255 | 0.0 | Waco, TX MSA | 0 | 203,446 | 0.0 |
| Owensboro, KY MSA | 0 | 91,139 | 0.0 | Wichita Falls, TX MSA | 0 | 137,237 | 0.0 |
| Pensacola, FL MSA | 0 | 399,625 | 0.0 | Yakima, WA MSA | 0 | 218,062 | 0.0 |
| Pine Bluff, AR MSA | 0 | 81,556 | 0.0 | Youngstown-Warren, OH MSA | 0 | 591,752 | 0.0 |

Number of PLANT patents granted per 100,000 population,
by metropolitan area, 1998

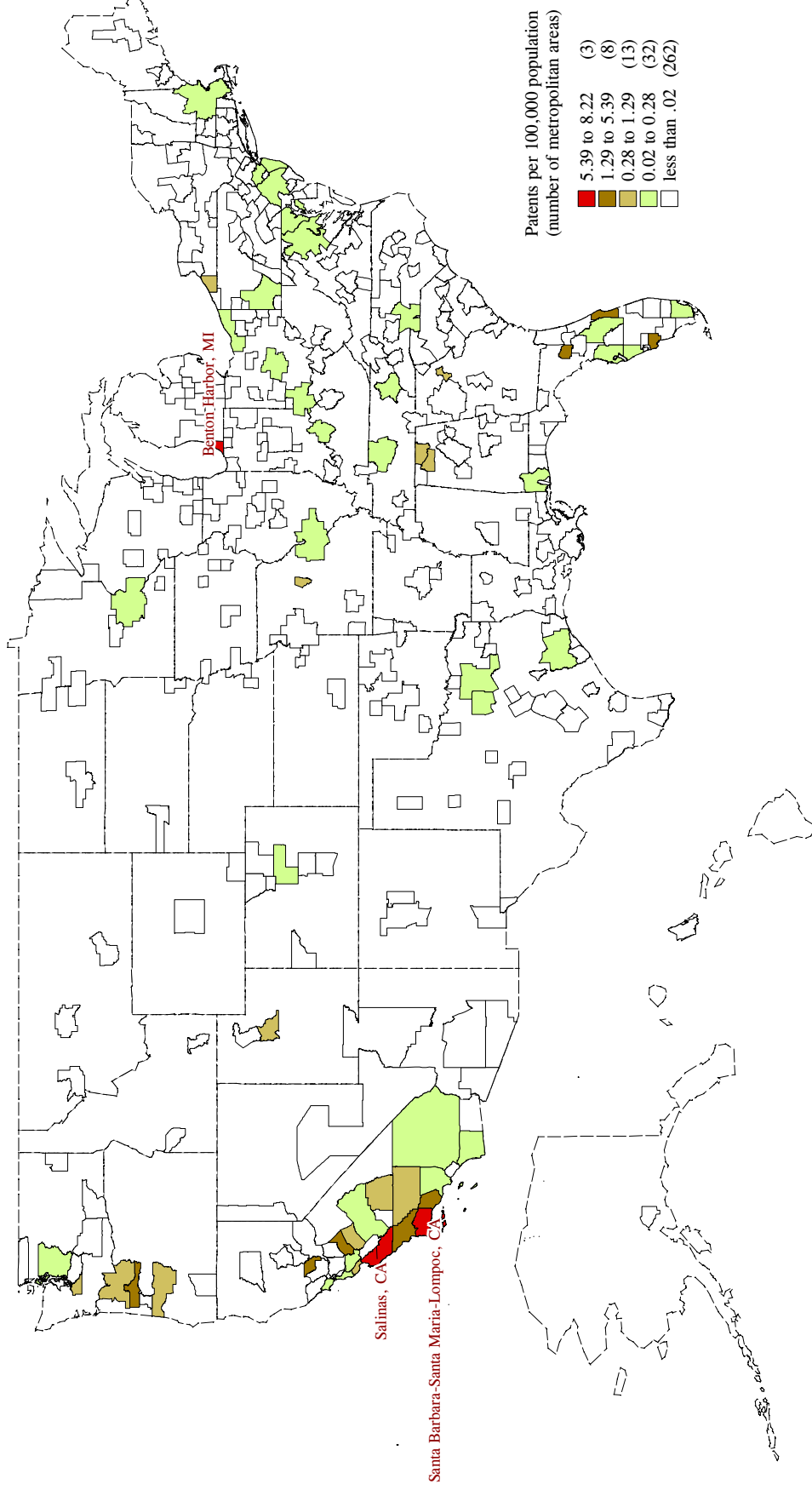


Table 3. Number of PLANT Patents Granted per 100,000 Population, by Metropolitan Area, 1998

Metropolitan areas are based on definitions effective July 1, 1999. MSA =metropolitan statistical area; NECMA =New England county metropolitan area; PMSA =primary metropolitan statistical area. The geographic distribution of patents is based on the residence of the first-named inventor.

| Metro Area Name | Plant | | | Patents | | |
|--|-----------------|-----------------|-----------------------|-----------------|-----------------|-----------------------|
| | Patents Granted | Population 1998 | Patents per 100K pop. | Patents Granted | Population 1998 | Patents per 100K pop. |
| Salinas, CA MSA | 30 | 365,605 | 8.21 | 2 | 1,641,215 | 0.12 |
| Benton Harbor, MI MSA | 9 | 160,245 | 5.62 | 2 | 1,683,309 | 0.12 |
| Santa Barbara-Santa Maria-Lompoc, CA MSA | 21 | 389,502 | 5.39 | 3 | 2,780,592 | 0.11 |
| Modesto, CA MSA | 16 | 426,460 | 3.75 | 1 | 999,267 | 0.10 |
| San Luis Obispo-Atascadero-Paso Robles, CA MSA | 7 | 234,366 | 2.99 | 1 | 1,093,253 | 0.09 |
| Yolo, CA PMSA | 4 | 153,849 | 2.60 | 1 | 1,156,225 | 0.09 |
| Salem, OR PMSA | 6 | 330,101 | 1.82 | 4 | 4,673,902 | 0.09 |
| Ventura, CA PMSA | 13 | 731,967 | 1.78 | 2 | 2,346,153 | 0.09 |
| Fort Myers-Cape Coral, FL MSA | 6 | 392,895 | 1.53 | 2 | 2,563,801 | 0.08 |
| Gainesville, FL MSA | 3 | 198,662 | 1.51 | 1 | 1,383,080 | 0.07 |
| Melbourne-Titusville-Palm Bay, FL MSA | 6 | 466,093 | 1.29 | 1 | 1,469,604 | 0.07 |
| Santa Cruz-Watsonville, CA PMSA | 2 | 242,994 | 0.82 | 1 | 1,504,569 | 0.07 |
| Columbia, MO MSA | 1 | 129,098 | 0.77 | 1 | 1,592,577 | 0.06 |
| Jamestown, NY MSA | 1 | 138,103 | 0.72 | 1 | 1,617,836 | 0.06 |
| Athens, GA MSA | 1 | 138,679 | 0.72 | 1 | 1,938,642 | 0.05 |
| Decatur, AL MSA | 1 | 142,816 | 0.70 | | | |
| Eugene-Springfield, OR MSA | 2 | 314,068 | 0.64 | 3 | 5,867,187 | 0.05 |
| Portland-Vancouver, OR-WA PMSA | 11 | 1,818,955 | 0.60 | 2 | 3,931,688 | 0.05 |
| Visalia-Tulare-Porterville, CA MSA | 2 | 355,240 | 0.56 | 1 | 2,222,731 | 0.04 |
| Merced, CA MSA | 1 | 197,730 | 0.51 | 1 | 2,256,559 | 0.04 |
| Olympia, WA PMSA | 1 | 202,255 | 0.49 | 1 | 2,312,978 | 0.04 |
| Bakersfield, CA MSA | 2 | 631,459 | 0.32 | 2 | 4,946,562 | 0.04 |
| Provo-Orem, UT MSA | 1 | 335,635 | 0.30 | 1 | 2,483,952 | 0.04 |
| Huntsville, AL MSA | 1 | 340,428 | 0.29 | 1 | 2,831,234 | 0.04 |
| Fresno, CA MSA | 2 | 870,478 | 0.23 | 1 | 3,114,072 | 0.03 |
| Mobile, AL MSA | 1 | 532,257 | 0.19 | 1 | 3,209,886 | 0.03 |
| Miami, FL PMSA | 4 | 2,152,437 | 0.19 | 2 | 9,213,533 | 0.02 |
| Sarasota-Bradenton, FL MSA | 1 | 543,082 | 0.18 | 0 | 122,016 | 0.00 |
| Middlesex-Somerset-Hunterdon, NJ PMSA | 2 | 1,121,504 | 0.18 | 0 | 688,952 | 0.00 |
| Knoxville, TN MSA | 1 | 659,074 | 0.15 | 0 | 118,076 | 0.00 |

| Metro Area Name | Plant Patents | | Patents per 100K pop. | | Metro Area Name | Plant Patents | | Patents per 100K pop. | |
|--|---------------|-----------------|-----------------------|---------------|---|---------------|-----------------|-----------------------|---------------|
| | Granted | Population 1998 | Population 1998 | per 100K pop. | | Granted | Population 1998 | Population 1998 | per 100K pop. |
| Albany-Schenectady-Troy, NY MSA | 0 | 871,604 | 0 | 0.00 | Cedar Rapids, IA MSA | 0 | 182,651 | 0 | 0.00 |
| Albuquerque, NM MSA | 0 | 678,633 | 0 | 0.00 | Champaign-Urbana, IL MSA | 0 | 167,788 | 0 | 0.00 |
| Alexandria, LA MSA | 0 | 126,763 | 0 | 0.00 | Charleston, WV MSA | 0 | 253,175 | 0 | 0.00 |
| Allentown-Bethlehem-Easton, PA MSA | 0 | 616,877 | 0 | 0.00 | Charleston-North Charleston, SC MSA | 0 | 541,159 | 0 | 0.00 |
| Altoona, PA MSA | 0 | 130,615 | 0 | 0.00 | Charlottesville, VA MSA | 0 | 149,190 | 0 | 0.00 |
| Amarillo, TX MSA | 0 | 208,607 | 0 | 0.00 | Chattanooga, TN-GA MSA | 0 | 450,283 | 0 | 0.00 |
| Anchorage, AK MSA | 0 | 254,982 | 0 | 0.00 | Cheyenne, WY MSA | 0 | 78,872 | 0 | 0.00 |
| Ann Arbor, MI PMSA | 0 | 547,646 | 0 | 0.00 | Chicago, IL PMSA | 0 | 7,939,351 | 0 | 0.00 |
| Anniston, AL MSA | 0 | 117,018 | 0 | 0.00 | Chico-Paradise, CA MSA | 0 | 194,597 | 0 | 0.00 |
| Appleton-Oshkosh-Neenah, WI MSA | 0 | 344,464 | 0 | 0.00 | Clarksville-Hopkinsville, TN-KY MSA | 0 | 199,758 | 0 | 0.00 |
| Asheville, NC MSA | 0 | 213,629 | 0 | 0.00 | Colorado Springs, CO MSA | 0 | 490,378 | 0 | 0.00 |
| Atlanta, GA MSA | 0 | 3,746,059 | 0 | 0.00 | Columbia, SC MSA | 0 | 512,316 | 0 | 0.00 |
| Atlantic-Cape May, NJ PMSA | 0 | 336,116 | 0 | 0.00 | Columbus, GA-AL MSA | 0 | 272,133 | 0 | 0.00 |
| Auburn-Opelika, AL MSA | 0 | 100,444 | 0 | 0.00 | Corpus Christi, TX MSA | 0 | 387,733 | 0 | 0.00 |
| Augusta-Aiken, GA-SC MSA | 0 | 458,271 | 0 | 0.00 | Corvallis, OR MSA | 0 | 77,755 | 0 | 0.00 |
| Austin-San Marcos, TX MSA | 0 | 1,105,909 | 0 | 0.00 | Cumberland, MD-WV MSA | 0 | 98,070 | 0 | 0.00 |
| Bangor, ME NECMA | 0 | 142,323 | 0 | 0.00 | Danville, VA MSA | 0 | 108,252 | 0 | 0.00 |
| Barnstable-Yarmouth, MA NECMA | 0 | 208,418 | 0 | 0.00 | Davenport-Moline-Rock Island, IA-IL MSA | 0 | 357,813 | 0 | 0.00 |
| Baton Rouge, LA MSA | 0 | 575,129 | 0 | 0.00 | Daytona Beach, FL MSA | 0 | 948,522 | 0 | 0.00 |
| Beaumont-Port Arthur, TX MSA | 0 | 375,564 | 0 | 0.00 | Dayton-Springfield, OH MSA | 0 | 470,864 | 0 | 0.00 |
| Bellingham, WA MSA | 0 | 156,830 | 0 | 0.00 | Decatur, IL MSA | 0 | 113,772 | 0 | 0.00 |
| Bergen-Passaic, NJ PMSA | 0 | 1,344,266 | 0 | 0.00 | Des Moines, IA MSA | 0 | 436,922 | 0 | 0.00 |
| Billings, MT MSA | 0 | 126,158 | 0 | 0.00 | Detroit, MI PMSA | 0 | 4,473,853 | 0 | 0.00 |
| Biloxi-Gulfport-Pascagoula, MS MSA | 0 | 349,218 | 0 | 0.00 | Dothan, AL MSA | 0 | 134,749 | 0 | 0.00 |
| Binghamton, NY MSA | 0 | 249,022 | 0 | 0.00 | Dover, DE MSA | 0 | 124,089 | 0 | 0.00 |
| Birmingham, AL MSA | 0 | 908,508 | 0 | 0.00 | Dubuque, IA MSA | 0 | 87,806 | 0 | 0.00 |
| Bismarck, ND MSA | 0 | 91,442 | 0 | 0.00 | Duluth-Superior, MN-WI MSA | 0 | 236,464 | 0 | 0.00 |
| Bloomington, IN MSA | 0 | 115,130 | 0 | 0.00 | Dutchess County, NY PMSA | 0 | 265,317 | 0 | 0.00 |
| Bloomington-Normal, IL MSA | 0 | 142,652 | 0 | 0.00 | Eau Claire, WI MSA | 0 | 143,861 | 0 | 0.00 |
| Boise City, ID MSA | 0 | 395,953 | 0 | 0.00 | El Paso, TX MSA | 0 | 703,127 | 0 | 0.00 |
| Boulder-Longmont, CO PMSA | 0 | 267,274 | 0 | 0.00 | Elkhart-Goshen, IN MSA | 0 | 172,310 | 0 | 0.00 |
| Brazoria, TX PMSA | 0 | 230,335 | 0 | 0.00 | Elmira, NY MSA | 0 | 92,021 | 0 | 0.00 |
| Bremerton, WA PMSA | 0 | 232,623 | 0 | 0.00 | Enid, OK MSA | 0 | 56,859 | 0 | 0.00 |
| Brownsville-Harlingen-San Benito, TX MSA | 0 | 326,449 | 0 | 0.00 | Erie, PA MSA | 0 | 276,401 | 0 | 0.00 |
| Bryan-College Station, TX MSA | 0 | 133,407 | 0 | 0.00 | Evansville-Henderson, IN-KY MSA | 0 | 290,757 | 0 | 0.00 |
| Buffalo-Niagra Falls, NY MSA | 0 | 1,152,541 | 0 | 0.00 | Fargo-Moorhead, ND-MN MSA | 0 | 168,431 | 0 | 0.00 |
| Burlington, VT NECMA | 0 | 192,895 | 0 | 0.00 | Fayetteville, NC MSA | 0 | 284,629 | 0 | 0.00 |
| Canton-Massillon, OH MSA | 0 | 402,207 | 0 | 0.00 | Fayetteville-Springdale-Rogers, AR MSA | 0 | 272,616 | 0 | 0.00 |
| Casper, WY MSA | 0 | 63,341 | 0 | 0.00 | Flagstaff, AZ-UT MSA | 0 | 120,371 | 0 | 0.00 |

| Metro Area Name | Plant Patents Granted | Population 1998 | Patents per 100K pop. | Metro Area Name | Plant Patents Granted | Population 1998 | Patents per 100K pop. |
|---|-----------------------|-----------------|-----------------------|---|-----------------------|-----------------|-----------------------|
| Flint, MI PMSA | 0 | 436,084 | 0.00 | Janesville-Beloit, WI MSA | 0 | 150,736 | 0.00 |
| Florence, AL MSA | 0 | 137,271 | 0.00 | Jersey City, NJ PMSA | 0 | 557,159 | 0.00 |
| Florence, SC MSA | 0 | 124,904 | 0.00 | Johnson City-Kingsport-Bristol, TN-VA MSA | 0 | 462,345 | 0.00 |
| Fort Collins-Loveland, CO MSA | 0 | 231,221 | 0.00 | Johnstown, PA MSA | 0 | 236,347 | 0.00 |
| Fort Lauderdale, FL PMSA | 0 | 1,503,407 | 0.00 | Jonesboro, AR MSA | 0 | 77,500 | 0.00 |
| Fort Pierce-Port St. Lucie, FL MSA | 0 | 295,118 | 0.00 | Joplin, MO MSA | 0 | 148,684 | 0.00 |
| Fort Smith, AR-OK MSA | 0 | 194,045 | 0.00 | Kalamazoo-Battle Creek, MI MSA | 0 | 446,331 | 0.00 |
| Fort Walton Beach, FL MSA | 0 | 169,289 | 0.00 | Kankakee, IL PMSA | 0 | 102,107 | 0.00 |
| Fort Wayne, IN MSA | 0 | 481,191 | 0.00 | Kansas City, MO-KS MSA | 0 | 1,737,025 | 0.00 |
| Gadsden, AL MSA | 0 | 103,975 | 0.00 | Kenosha, WI PMSA | 0 | 144,339 | 0.00 |
| Galveston-Texas City TX PMSA | 0 | 245,556 | 0.00 | Killeen-Temple, TX MSA | 0 | 301,449 | 0.00 |
| Gary, IN PMSA | 0 | 624,049 | 0.00 | Kokomo, IN MSA | 0 | 100,176 | 0.00 |
| Glens Falls, NY MSA | 0 | 121,742 | 0.00 | La Crosse, WI-MN MSA | 0 | 121,832 | 0.00 |
| Goldsboro, NC MSA | 0 | 112,227 | 0.00 | Lafayette, IN MSA | 0 | 172,220 | 0.00 |
| Grand Forks, ND-MN MSA | 0 | 97,823 | 0.00 | Lafayette, LA MSA | 0 | 375,718 | 0.00 |
| Grand Junction, CO MSA | 0 | 112,891 | 0.00 | Lake Charles, LA MSA | 0 | 180,330 | 0.00 |
| Grand Rapids-Muskegon-Holland, MI MSA | 0 | 1,037,933 | 0.00 | Lakeland-Winter Haven, FL MSA | 0 | 452,584 | 0.00 |
| Great Falls, MT MSA | 0 | 78,983 | 0.00 | Lancaster, PA MSA | 0 | 456,414 | 0.00 |
| Greeley, CO PMSA | 0 | 159,429 | 0.00 | Lansing-East Lansing, MI MSA | 0 | 449,683 | 0.00 |
| Green Bay, WI MSA | 0 | 215,373 | 0.00 | Laredo, TX MSA | 0 | 188,166 | 0.00 |
| Greensboro--Winston-Salem--High Point, NC MSA | 0 | 1,167,629 | 0.00 | Las Cruces, NM MSA | 0 | 169,165 | 0.00 |
| Greenville, NC MSA | 0 | 126,630 | 0.00 | Las Vegas, NV-AZ MSA | 0 | 1,321,546 | 0.00 |
| Greenville-Spartanburg-Anderson, SC MSA | 0 | 918,351 | 0.00 | Lawrence, KS MSA | 0 | 93,137 | 0.00 |
| Hagerstown, MD PMSA | 0 | 127,352 | 0.00 | Lawton, OK MSA | 0 | 113,508 | 0.00 |
| Hamilton-Middletown, OH PMSA | 0 | 330,428 | 0.00 | Lewiston-Auburn, ME NECMA | 0 | 101,280 | 0.00 |
| Harrisburg-Lebanon-Carlisle, PA MSA | 0 | 616,031 | 0.00 | Lexington, KY MSA | 0 | 449,645 | 0.00 |
| Hartford, CT NECMA | 0 | 1,110,065 | 0.00 | Lima, OH MSA | 0 | 154,242 | 0.00 |
| Hattiesburg, MS MSA | 0 | 111,252 | 0.00 | Lincoln, NE MSA | 0 | 235,589 | 0.00 |
| Hickory-Morganton-Lenoir, NC MSA | 0 | 322,608 | 0.00 | Little Rock-North Little Rock, AR MSA | 0 | 556,295 | 0.00 |
| Honolulu, HI MSA | 0 | 872,478 | 0.00 | Longview-Marshall, TX MSA | 0 | 208,988 | 0.00 |
| Houma, LA MSA | 0 | 193,858 | 0.00 | Lubbock, TX MSA | 0 | 229,475 | 0.00 |
| Huntington-Ashland, WV-KY-OH MSA | 0 | 313,922 | 0.00 | Lynchburg, VA MSA | 0 | 208,039 | 0.00 |
| Indianapolis, IN MSA | 0 | 1,519,194 | 0.00 | Macon, GA MSA | 0 | 319,502 | 0.00 |
| Iowa City, IA MSA | 0 | 102,724 | 0.00 | Madison, WI MSA | 0 | 424,586 | 0.00 |
| Jackson, MI MSA | 0 | 156,157 | 0.00 | Mansfield, OH MSA | 0 | 174,559 | 0.00 |
| Jackson, MS MSA | 0 | 429,614 | 0.00 | McAllen-Edinburg-Mission, TX MSA | 0 | 522,204 | 0.00 |
| Jackson, TN MSA | 0 | 100,654 | 0.00 | Medford-Ashland, OR MSA | 0 | 173,123 | 0.00 |
| Jacksonville, FL MSA | 0 | 1,044,684 | 0.00 | Memphis, TN-AR-MS MSA | 0 | 1,093,427 | 0.00 |
| Jacksonville, NC MSA | 0 | 142,358 | 0.00 | Milwaukee-Waukesha, WI PMSA | 0 | 1,459,805 | 0.00 |

| Metro Area Name | Plant Patents | | Patents per 100K pop. | | Metro Area Name | Plant Patents | | Patents per 100K pop. | |
|---|---------------|-----------------|-----------------------|---------------|--|---------------|-----------------|-----------------------|---------------|
| | Granted | Population 1998 | Population 1998 | per 100K pop. | | Granted | Population 1998 | Population 1998 | per 100K pop. |
| Missoula, MT MSA | 0 | 88,989 | 0 | 0.00 | Reno, NV MSA | 0 | 313,660 | 0 | 0.00 |
| Monroe, LA MSA | 0 | 146,979 | 0 | 0.00 | Richland-Kennewick-Pasco, WA MSA | 0 | 182,709 | 0 | 0.00 |
| Montgomery, AL MSA | 0 | 321,781 | 0 | 0.00 | Richmond-Petersburg, VA MSA | 0 | 957,032 | 0 | 0.00 |
| Muncie, IN MSA | 0 | 116,828 | 0 | 0.00 | Roanoke, VA MSA | 0 | 227,828 | 0 | 0.00 |
| Myrtle Beach, SC MSA | 0 | 174,762 | 0 | 0.00 | Rochester, MN MSA | 0 | 116,702 | 0 | 0.00 |
| Naples, FL MSA | 0 | 199,436 | 0 | 0.00 | Rochester, NY MSA | 0 | 1,081,883 | 0 | 0.00 |
| Nassau-Suffolk, NY PMSA | 0 | 2,673,489 | 0 | 0.00 | Rockford, IL MSA | 0 | 356,887 | 0 | 0.00 |
| New Haven-Bridgeport-Stamford-Danbury-Waterbury, CT NECMA | 0 | 1,631,866 | 0 | 0.00 | Rocky Mount, NC MSA | 0 | 146,167 | 0 | 0.00 |
| New London-Norwich, CT NECMA | 0 | 245,740 | 0 | 0.00 | Sacramento, CA PMSA | 0 | 1,531,963 | 0 | 0.00 |
| New Orleans, LA MSA | 0 | 1,309,445 | 0 | 0.00 | Saginaw-Bay City-Midland, MI MSA | 0 | 401,991 | 0 | 0.00 |
| New York, NY PMSA | 0 | 8,692,782 | 0 | 0.00 | Salt Lake City-Ogden, UT MSA | 0 | 1,267,745 | 0 | 0.00 |
| Newark, NJ PMSA | 0 | 1,952,407 | 0 | 0.00 | San Angelo, TX MSA | 0 | 102,775 | 0 | 0.00 |
| Newburgh, NY-PA PMSA | 0 | 369,392 | 0 | 0.00 | San Antonio, TX MSA | 0 | 1,538,338 | 0 | 0.00 |
| Newport News, VA-NC MSA | 0 | 1,542,143 | 0 | 0.00 | Santa Fe, NM MSA | 0 | 141,730 | 0 | 0.00 |
| Oakland, CA PMSA | 0 | 2,318,522 | 0 | 0.00 | Santa Rosa, CA PMSA | 0 | 433,304 | 0 | 0.00 |
| Ocala, FL MSA | 0 | 241,513 | 0 | 0.00 | Savannah, GA MSA | 0 | 285,508 | 0 | 0.00 |
| Odessa-Midland, TX MSA | 0 | 245,376 | 0 | 0.00 | Scranton--Wilkes-Barre--Hazleton, PA MSA | 0 | 615,491 | 0 | 0.00 |
| Oklahoma City, OK MSA | 0 | 1,038,999 | 0 | 0.00 | Sharon, PA MSA | 0 | 121,938 | 0 | 0.00 |
| Omaha, NE-IA MSA | 0 | 693,900 | 0 | 0.00 | Sheboygan, WI MSA | 0 | 110,170 | 0 | 0.00 |
| Orange County, CA PMSA | 0 | 2,721,701 | 0 | 0.00 | Sherman-Denison, TX MSA | 0 | 102,815 | 0 | 0.00 |
| Owensboro, KY MSA | 0 | 91,139 | 0 | 0.00 | Shreveport-Bossier City, LA MSA | 0 | 378,641 | 0 | 0.00 |
| Panama City, FL MSA | 0 | 146,999 | 0 | 0.00 | Sioux City, IA-NE MSA | 0 | 120,464 | 0 | 0.00 |
| Parkersburg-Marietta, WV-OH MSA | 0 | 150,181 | 0 | 0.00 | Sioux Falls, SD MSA | 0 | 163,422 | 0 | 0.00 |
| Pensacola, FL MSA | 0 | 399,625 | 0 | 0.00 | South Bend, IN MSA | 0 | 258,088 | 0 | 0.00 |
| Peoria-Pekin, IL MSA | 0 | 344,779 | 0 | 0.00 | Spokane, WA MSA | 0 | 408,669 | 0 | 0.00 |
| Phoenix-Mesa, AZ MSA | 0 | 2,931,004 | 0 | 0.00 | Springfield, IL MSA | 0 | 203,847 | 0 | 0.00 |
| Pine Bluff, AR MSA | 0 | 81,556 | 0 | 0.00 | Springfield, MA NECMA | 0 | 588,993 | 0 | 0.00 |
| Pittsfield, MA NECMA | 0 | 133,038 | 0 | 0.00 | Springfield, MO MSA | 0 | 304,863 | 0 | 0.00 |
| Pocatello, ID MSA | 0 | 74,866 | 0 | 0.00 | St. Cloud, MN MSA | 0 | 162,222 | 0 | 0.00 |
| Portland, ME NECMA | 0 | 253,582 | 0 | 0.00 | St. Joseph, MO MSA | 0 | 97,338 | 0 | 0.00 |
| Providence-Warwick-Pawtucket, RI NECMA | 0 | 905,612 | 0 | 0.00 | State College, PA MSA | 0 | 132,700 | 0 | 0.00 |
| Pueblo, CO MSA | 0 | 134,867 | 0 | 0.00 | Steubenville-Weirton, OH-WV MSA | 0 | 134,535 | 0 | 0.00 |
| Punta Gorda, FL MSA | 0 | 134,899 | 0 | 0.00 | Stockton-Lodi, CA MSA | 0 | 550,445 | 0 | 0.00 |
| Racine, WI PMSA | 0 | 186,119 | 0 | 0.00 | Sumter, SC MSA | 0 | 107,127 | 0 | 0.00 |
| Raleigh-Durham-Chapel Hill, NC MSA | 0 | 1,079,873 | 0 | 0.00 | Syracuse, NY MSA | 0 | 734,640 | 0 | 0.00 |
| Rapid City, SD MSA | 0 | 87,702 | 0 | 0.00 | Tacoma-WA PMSA | 0 | 676,505 | 0 | 0.00 |
| Reading, PA MSA | 0 | 355,956 | 0 | 0.00 | Tallahassee, FL MSA | 0 | 261,021 | 0 | 0.00 |
| Redding, CA MSA | 0 | 164,349 | 0 | 0.00 | Terre Haute, IN MSA | 0 | 148,628 | 0 | 0.00 |
| | | | | | Texarkana, TX-Texarkana, AR MSA | 0 | 123,366 | 0 | 0.00 |

| Metro Area Name | Plant Patents Granted | Population 1998 | Patents per 100K pop. | Metro Area Name | Plant Patents Granted | Population 1998 | Patents per 100K pop. |
|---------------------------------------|-----------------------|-----------------|-----------------------|------------------------------------|-----------------------|-----------------|-----------------------|
| Toledo, OH MSA | 0 | 609,935 | 0.00 | Wausau, WI MSA | 0 | 123,223 | 0.00 |
| Topeka, KS MSA | 0 | 165,348 | 0.00 | West Palm Beach-Boca Raton, FL MSA | 0 | 1,032,625 | 0.00 |
| Trenton, NJ PMSA | 0 | 331,629 | 0.00 | Wheeling, WV-OH MSA | 0 | 152,903 | 0.00 |
| Tucson, AZ MSA | 0 | 790,755 | 0.00 | Wichita Falls, TX MSA | 0 | 137,237 | 0.00 |
| Tulsa, OK MSA | 0 | 776,906 | 0.00 | Wichita, KS MSA | 0 | 544,343 | 0.00 |
| Tuscaloosa, AL MSA | 0 | 160,768 | 0.00 | Williamsport, PA MSA | 0 | 117,308 | 0.00 |
| Tyler, TX MSA | 0 | 168,783 | 0.00 | Wilmington, NC MSA | 0 | 218,248 | 0.00 |
| Utica-Rome, NY MSA | 0 | 294,677 | 0.00 | Wilmington-Newark, DE-MD PMSA | 0 | 565,329 | 0.00 |
| Vallejo-Fairfield-Napa, CA PMSA | 0 | 496,703 | 0.00 | Yakima, WA MSA | 0 | 218,062 | 0.00 |
| Victoria, TX MSA | 0 | 82,650 | 0.00 | York, PA MSA | 0 | 373,255 | 0.00 |
| Vineland-Millville-Bridgeton, NJ PMSA | 0 | 140,341 | 0.00 | Youngstown-Warren, OH MSA | 0 | 591,752 | 0.00 |
| Waco, TX MSA | 0 | 203,446 | 0.00 | Yuba City, CA MSA | 0 | 137,043 | 0.00 |
| Waterloo-Cedar Falls, IA MSA | 0 | 121,121 | 0.00 | Yuma, AZ MSA | 0 | 132,259 | 0.00 |