

Appendix table 5-41

Academic patents awarded, by patent class: 2005

Patent class	Patent class	Patents granted	Percentage of total	Cumulative percentage
All academic patents	na	2,725	100.00	na
Drug, bio-affecting and body treating compositions (includes class 514).....	424	419	15.38	15.38
Chemistry: Molecular biology and microbiology	435	376	13.80	29.17
Organic compounds (includes classes 532–570)	532	152	5.58	34.75
Surgery (includes class 600).....	128	85	3.12	37.87
Radiant energy	250	74	2.72	40.59
Chemistry: Natural resins or derivatives; peptides or proteins; lignins or reaction products thereof.....	530	68	2.50	43.08
Stock material or miscellaneous articles	428	64	2.35	45.43
Active solid-state devices (e.g., transistors, solid-state diodes).....	257	64	2.35	47.78
Synthetic resins or natural rubbers (includes classes 520–528)	520	54	1.98	49.76
Semiconductor device manufacturing: process	438	54	1.98	51.74
Multicellular living organisms and unmodified parts thereof and related processes.....	800	53	1.94	53.69
Optical waveguides	385	51	1.87	55.56
Measuring and testing	73	49	1.80	57.36
Optics: Systems and elements	359	48	1.76	59.12
Dp: Measuring, calibrating, or testing (data processing)	702	47	1.72	60.84
Optics: Measuring and testing.....	356	43	1.58	62.42
Chemistry: Analytical and immunological testing.....	436	37	1.36	63.78
Electricity: Measuring and testing	324	35	1.28	65.06
Image analysis	382	29	1.06	66.13
Chemistry: Electrical and wave energy.....	204	28	1.03	67.16
Chemistry of inorganic compounds.....	423	28	1.03	68.18
Coating processes	427	26	0.95	69.14
Liquid purification or separation.....	210	25	0.92	70.06
Coherent light generators	372	22	0.81	70.86
Surgery (instruments)	606	21	0.77	71.63
Chemistry: Electrical current producing apparatus, product, and process.....	429	21	0.77	72.40
Surgery (medicators and receptors).....	604	20	0.73	73.14
X-ray or gamma ray systems or devices	378	20	0.73	73.87
Catalyst, solid sorbent, or support therefor: product or process of making.....	502	18	0.66	74.53
Chemical apparatus and process disinfecting, deodorizing, preserving, or sterilizing.....	422	16	0.59	75.12
Surgery: Light, thermal, and electrical application.....	607	16	0.59	75.71
Electrical generator or motor structure.....	310	16	0.59	76.29
Radiation imagery chemistry: process, composition, or product thereof	430	16	0.59	76.88

na = not applicable

NOTES: Data include institutions affiliated with academic institutions, such as university and alumni organizations, federally funded research and development centers, foundations, and university associations.

SOURCES: U.S. Patent and Trademark Office, U.S. Colleges and Universities Utility Patent Grants, Calendar Years 1969–2005 (2007); and National Science Foundation, Division of Science Resources Statistics, special tabulations.