

Appendix table 6-14

Patent classes most emphasized (top 50) by UK inventors patenting in United States: 1993 and 2003

Title (partial)	Class	Patents granted to inventors				Activity index	
		All countries		United Kingdom		1993	2003
		1993	2003	1993	2003		
All classes	na	80,226	148,427	2,040	3,321	1.000	1.000
Wells (shafts or deep borings in the earth)	166	340	515	21	48	2.429	4.166
Cleaning compositions for solid surfaces	510	225	514	13	35	2.272	3.043
Rotary kinetic fluid motors or pumps	415	213	344	19	21	3.508	2.728
Food or edible material	426	521	576	13	32	0.981	2.483
Compositions: coating or plastic	106	339	442	14	24	1.624	2.427
Drug, bioaffecting and body treating (includes class 514).....	424	3,512	6,353	239	336	2.676	2.364
Brushing, scrubbing, and general cleaning.....	015	167	325	4	17	0.942	2.338
Boring or penetrating the earth.....	175	122	223	7	11	2.256	2.205
Bleaching and dyeing of textiles and fibers	008	183	230	8	11	1.719	2.138
Communications: directive radio wave systems and devices.....	342	238	531	12	25	1.983	2.104
Data processing: artificial intelligence (data processing)	706	157	213	2	10	0.501	2.098
Electrical audio signal processing systems and devices	381	179	330	3	15	0.659	2.032
Registers (e.g., cash registers, calculators)	235	288	685	2	31	0.273	2.023
Geometrical instruments.....	033	128	231	13	10	3.994	1.935
Electrolysis: processes, methods, preparing the compositions.....	205	273	325	10	14	1.441	1.925
Dispensing (apparatus and process)	222	337	334	10	14	1.167	1.873
Seal for a joint or juncture.....	277	169	241	10	10	2.327	1.855
Photography	396	464	435	2	18	0.170	1.849
Optical communications	398	105	376	6	15	2.247	1.783
Fluent material handling	141	161	226	2	9	0.489	1.780
Aeronautics	244	173	327	8	12	1.819	1.640
Chemistry: natural resins; peptides or proteins	530	336	491	8	18	0.936	1.638
Organic compounds (includes classes 532-570)	532	3,141	2,715	116	99	1.452	1.630
Processing architectures and instruction processing.....	712	139	303	1	11	0.283	1.623
Gas separation: processes	095	131	250	2	9	0.600	1.609
Chemistry: analytical and immunological testing.....	436	293	421	6	15	0.805	1.592
Multicellular living organisms and unmodified parts.....	800	29	423	1	15	1.356	1.585
Power plants	060	517	845	13	29	0.989	1.534
Refrigeration.....	062	557	845	12	29	0.847	1.534
Communications: radio wave antennas.....	343	195	559	9	19	1.815	1.519
Multiplex communications	370	505	2,563	14	86	1.090	1.500
Static structures (e.g., buildings).....	052	331	458	11	15	1.307	1.464
Arithmetic processing and calculating (electrical computers)	708	267	245	6	8	0.884	1.459
Chemical apparatus and process disinfecting, deodorizing.....	422	502	620	12	20	0.940	1.442
Package making.....	053	255	379	9	12	1.388	1.415
Chemistry of inorganic compounds.....	423	500	451	10	14	0.787	1.387
Telecommunications.....	455	385	1,584	10	49	1.021	1.383
Compositions.....	252	517	518	16	16	1.217	1.380
Electronic digital logic circuitry	326	230	488	1	15	0.171	1.374
Fluid sprinkling, spraying, and diffusing	239	280	391	15	12	2.107	1.372
Chemistry: molecular biology and microbiology	435	1,349	2,938	30	89	0.875	1.354
Special receptacle or package	206	356	364	2	11	0.221	1.351
Data processing: software development, installation, and management	717	51	333	0	10	0.000	1.342
Data processing: speech signal processing, linguistics, language translation	704	177	406	3	12	0.667	1.321
Radiant energy	250	969	1,631	41	48	1.664	1.315
Optical waveguides	385	559	1,816	28	52	1.970	1.280
Measuring and testing	073	918	1,790	23	51	0.985	1.273
Error detection/correction and fault detection/recovery	714	367	1,240	2	35	0.214	1.262
Fluid handling.....	285	191	240	11	7	1.809	1.164
Oscillators	702	205	518	6	15	0.920	1.156

na = not applicable

NOTES: Activity index is percentage of patents in class granted to inventors from one country divided by percentage of all patents having inventors from that country in that year. Listing limited to Patent and Trademark Office classes that received at least 200 patents from all countries in 2003.

SOURCE: U.S. Patent and Trademark Office, Office of Electronic Information Products, Patent Technology Monitoring Division, special tabulations (2004).