

Appendix table 6-12

## Patent classes most emphasized (top 50) by United Kingdom inventors patenting in United States: 1991 and 2001

Title (partial)	Class	Patents granted to investors from:					
		All countries		United Kingdom		Active 5 index	
		1991	2001	1991	2001	1991	2001
All classes .....	TOT	76,726	143,268	2,519	3,832	1.000	1.000
Electrical audio signal processing systems and devices .....	381	151	229	3	25	0.624	4.358
Cleaning compositions for solid surfaces, auxiliary compositions therefor, or processes of preparing the compositions .....	510	245	562	25	46	3.206	3.267
Wells (shafts or deep borings in the earth, e.g., for oil and gas) .....	166	330	503	20	39	1.904	3.095
Fluid sprinkling, spraying, and diffusing .....	239	263	349	10	26	1.195	2.974
Compositions: coating or plastic .....	106	309	386	12	23	1.220	2.379
Drug, bioaffecting and body treating compositions (includes class 514) .....	424	3,321	6,570	250	385	2.365	2.339
Chemistry: analytical and immunological testing .....	436	197	368	4	18	0.638	1.953
Aeronautics .....	244	216	335	19	16	2.764	1.907
Boring or penetrating the earth .....	175	136	254	10	12	2.310	1.886
Seal for a joint or juncture .....	277	170	291	12	13	2.218	1.783
Winding, tensioning, or guiding .....	242	319	352	2	15	0.197	1.701
Organic compounds (includes classes 532–570) .....	532	2,788	3,160	101	130	1.138	1.642
Registers (e.g., cash registers, calculators, devices for counting movements of devices) .....	235	208	467	7	19	1.057	1.624
Rotary kinetic fluid motors or pumps .....	415	117	271	11	11	2.954	1.620
Chemistry: molecular biology and microbiology .....	435	860	3,650	29	146	1.059	1.597
Multiplex communications .....	370	339	1,898	9	74	0.834	1.556
Brakes .....	188	194	424	11	16	1.782	1.506
Receptacles .....	220	221	296	8	11	1.137	1.483
Electrolysis: processes, compositions used therein, and methods of preparing the compositions .....	205	243	405	11	15	1.422	1.478
Measuring and testing .....	073	897	1,364	39	50	1.366	1.463
Optical waveguides .....	385	603	1,239	40	45	2.084	1.450
Chemistry: natural resins or derivatives; peptides or proteins; lignins or reaction products thereof .....	530	264	553	6	20	0.714	1.444
Telecommunications .....	455	251	1,763	5	63	0.626	1.426
Prosthesis (i.e., artificial body members), parts thereof, or aids and accessories therefor .....	623	167	560	3	20	0.564	1.426
Multicellular living organisms and unmodified parts thereof and related processes .....	800	23	548	2	19	2.732	1.384
Fluid reaction surfaces (i.e., impellers) .....	416	88	202	6	7	2.142	1.383
Fluent material handling, with receiver or receiver coating means .....	141	123	260	3	9	0.766	1.382
Typewriting machines .....	400	290	232	4	8	0.433	1.377
Electric lamp and discharge devices: systems .....	315	392	552	16	19	1.282	1.374
Rotary expandable chamber devices .....	418	140	204	4	7	0.898	1.370
Special receptacle or package .....	206	341	438	11	15	1.014	1.367
Communications: electrical .....	340	446	1,041	13	35	0.916	1.342
Power plants .....	060	430	902	21	30	1.534	1.328
Telephonic communications .....	379	274	891	3	29	0.344	1.299
Multiple computer or process coordinating (electrical computers and digital processing systems) .....	709	80	1,395	5	45	1.964	1.288
Optics: measuring and testing .....	356	538	651	20	21	1.168	1.288
Static structures (e.g., buildings) .....	052	380	604	20	19	1.654	1.256
Coded data generation or conversion .....	341	281	609	9	19	1.006	1.245
Machine element or mechanism .....	074	364	522	12	16	1.036	1.224
Optics: systems (including communication) and elements .....	359	882	1,925	32	59	1.140	1.223
Dispensing (apparatus and process) .....	222	376	471	15	14	1.253	1.187
Electricity: magnetically operated switches, magnets, and electromagnets .....	335	155	203	3	6	0.608	1.180
Pipe joints or couplings .....	285	191	240	11	7	1.809	1.164
Data processing: measuring, calibrating, or testing .....	702	205	518	6	15	0.920	1.156
Food or edible material: processes, compositions, and products .....	426	556	692	14	20	0.791	1.154
Data processing: database and file management, data structures, or document processing .....	707	95	1,186	4	34	1.323	1.144
Internal-combustion engines .....	123	1,012	1,546	31	44	0.962	1.136
Surgery (includes class 600) .....	128	746	1,796	14	51	0.590	1.134
Pumps .....	417	341	577	14	16	1.290	1.107
Fluid-pressure and analogous brake systems .....	303	162	291	10	8	1.939	1.097
Chemistry of inorganic compounds .....	423	502	444	17	12	1.064	1.079

NOTES: Activity index is the percentage of patents in a class that are granted to inventors from one country divided by the percentage of all patents that have inventors from that country in that year. Listing is limited to Patent and Trademark Office classes that have received at least 200 patents from all countries in 2001.

SOURCE: U.S. Patent and Trademark Office, Information Products Division, Technology Assessment and Forecast Branch, special tabulations. (Washington, DC, 2002).