

PATENT COUNTS BY CLASS BY YEAR
INDEPENDENT INVENTOR PATENTS
JANUARY 1977 -- DECEMBER 2005



September 2006
U.S. PATENT AND TRADEMARK OFFICE
ELECTRONIC INFORMATION PRODUCTS DIVISION / PTMB
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A TECHNOLOGY ASSESSMENT AND FORECAST REPORT

Patent Counts By Class By Year, Patents By Independent Inventors, 1977 - 2005

Background

An independent inventor patent is a patent for which ownership is either unassigned (i.e., patent rights are held by the inventor) or assigned to an individual at the time of grant. This report is limited to only such independent inventor patents. Patents for which ownership is assigned to an organization at the time of grant are excluded from this report.

Classes are major divisions of technology in the U.S. Patent Classification System (USPCS). Each class is further divided into smaller divisions of technology called subclasses. The USPCS currently contains approximately 460 total classes and 150,000 total subclasses. Copies of each patent are placed (classified) in those subclasses which have been identified as pertinent to the information disclosed in the patent. One, and only one, of these subclasses is designated as the "original classification" (OR), and the remainder (if any) are designated as "cross-reference classifications" (XR). The "original" classification of a patent may be considered to be its "primary" classification; this classification need not correspond to any classification that was assigned to the patent at the time of issue. Counting patents by "original" classifications will ensure that each patent is counted only once. However, if a patent teaches more than one concept, e.g., table and chair, only one concept, e.g., table, will be counted. To ensure that all concepts are counted, patents should be counted in all of their classifications. Patent classifications used to produce this report are those assigned to patents as of **December 31, 2005**.

This report counts all patent documents including utility, design, plant, and reissue patents as well as statutory invention registrations and defensive publications.

This report has been generated from data contained in the U.S. Patent and Trademark Office PTMD database.

Part I

Part I (OR's only) considers only the original classification of each patent. If the patent record is incomplete and contains no OR designation, the patent is counted in "dummy" class 1 or "dummy" design Class D00.

Part II

Part II (OR's + XR's, Duplicates Eliminated) looks at original and cross-reference classifications. Duplicate counts are eliminated within each class, but not among classes. For example, the same patent could be counted in Class 2 and Class 4 if it contained disclosure relating to both classes. If the patent record contains no classification data, the patent is counted in "dummy" Class 1 or "dummy" design Class D00.

PART I

PATENT COUNTS BY CLASS BY YEAR

ORIGINAL CLASSIFICATIONS ONLY

PATENTS GRANTED BY CLASS BY YEAR (ORs only)

1977-

CLASS	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	TOTAL
001	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5
002	727	120	142	197	147	190	175	255	220	161	176	152	266	296	348	427	372	375	307	205	220	178	5656
004	808	108	108	96	118	150	176	182	148	174	190	152	136	152	212	264	218	201	237	198	177	133	4338
005	657	82	96	166	134	161	191	193	214	165	157	152	208	175	181	190	206	177	166	189	188	186	4234
007	89	10	17	17	13	22	19	25	15	28	21	12	24	17	23	23	26	34	24	14	21	21	515
008	116	9	12	7	12	19	11	9	11	14	18	14	17	14	22	18	17	16	15	14	6	8	399
012	46	7	5	8	4	8	7	4	2	5	5	3	2	3	5	13	1	6	2	6	6	1	149
014	51	10	6	18	8	11	8	11	4	8	12	16	15	10	10	17	6	7	15	11	17	8	279
015	1012	158	118	142	154	154	143	166	134	144	193	199	236	181	237	239	251	186	175	175	137	111	4645
016	248	18	18	47	42	85	39	54	37	40	63	55	69	66	92	75	70	64	97	78	67	57	1481
019	69	16	9	6	3	14	15	14	6	5	13	10	6	8	5	10	10	8	14	4	1	0	246
023	14	1	0	0	0	0	0	0	2	0	3	1	0	0	1	1	3	0	1	1	0	0	28
024	519	76	59	91	65	89	111	125	103	79	81	98	95	131	121	116	121	130	126	141	79	46	2602
026	26	1	1	2	4	4	4	4	2	1	1	1	4	5	1	4	2	2	0	0	1	0	70
027	43	2	1	2	7	6	11	9	6	7	7	5	5	12	11	9	5	9	6	15	6	2	186
028	43	4	1	4	2	1	6	6	6	2	9	6	5	4	4	7	4	3	4	1	7	2	131
029	953	135	158	176	149	171	156	169	145	168	127	133	131	144	137	120	152	157	142	157	136	125	4041
030	730	97	130	127	107	146	151	155	118	104	109	98	124	97	136	137	129	116	146	124	127	93	3301
033	976	155	157	167	115	140	185	177	171	113	117	167	121	96	132	112	143	148	134	150	163	169	4008
034	385	49	45	50	40	40	36	46	47	50	52	49	43	56	59	75	78	51	49	41	40	39	1420
036	470	52	71	81	72	75	81	61	47	69	73	64	65	86	126	106	96	83	76	76	81	66	2077
037	272	26	32	31	28	43	37	36	43	38	23	31	47	29	35	43	49	40	49	31	34	30	1027
038	54	12	15	13	13	14	13	13	9	8	12	9	13	7	11	14	10	11	9	7	11	8	286
040	767	72	58	90	100	145	112	111	78	95	113	100	92	98	124	135	153	140	148	179	131	101	3142
042	387	51	50	70	55	78	93	112	63	61	70	82	63	84	88	77	49	77	104	108	88	65	1975
043	979	143	183	239	227	330	231	208	215	220	219	163	223	135	139	263	214	141	183	205	171	135	5166
044	129	19	17	15	16	13	14	8	9	13	13	14	12	9	4	15	22	10	10	14	14	10	400
047	522	48	61	50	54	90	82	100	79	82	108	106	100	62	88	103	124	98	103	94	52	60	2266
048	79	8	6	8	3	9	7	3	4	0	4	6	0	2	7	3	4	3	0	2	6	1	165
049	326	43	54	77	38	53	44	50	48	33	51	60	61	41	55	47	50	57	42	35	53	27	1345
051	50	7	5	5	7	11	11	11	14	18	7	8	5	14	4	4	6	4	5	4	3	2	205
052	2100	239	350	376	309	390	352	305	262	309	348	301	385	431	496	467	460	532	435	401	360	295	9903
053	374	59	68	77	52	57	56	76	52	46	45	65	60	51	71	57	54	47	33	37	53	53	1543
054	70	13	14	8	13	13	14	19	18	14	15	12	13	9	20	8	20	17	24	28	18	10	390
055	161	20	19	23	26	28	24	30	31	28	9	15	25	17	35	36	28	33	24	30	29	16	687
056	489	66	42	61	52	63	91	88	77	78	71	88	75	39	65	80	71	48	64	43	48	57	1856
057	184	24	36	33	27	30	28	13	27	39	32	14	8	16	34	17	10	15	10	5	6	0	608
059	48	2	3	5	3	9	8	4	2	4	9	7	6	10	4	9	6	4	5	11	9	11	179
060	916	98	87	105	96	85	64	68	77	88	61	56	61	69	82	86	91	100	92	84	91	83	2640
062	746	112	116	114	112	139	145	130	105	142	141	110	127	122	150	144	156	192	201	170	116	89	3579
063	97	19	16	13	27	21	19	27	35	25	14	30	25	32	21	24	25	19	30	30	24	18	591
065	137	20	11	7	3	14	10	4	13	9	13	4	6	5	11	22	8	7	18	12	8	10	352
066	116	9	13	18	12	13	2	19	4	12	4	3	12	15	10	12	18	20	14	6	11	10	353
068	85	14	3	5	13	6	6	9	10	9	9	12	11	7	15	15	10	8	15	14	2	2	280
069	26	4	2	1	3	3	2	4	0	0	1	0	2	1	0	0	1	1	1	1	2	1	56
070	579	64	76	118	112	139	116	123	102	104	105	122	103	128	174	170	104	92	121	129	96	88	2965
071	96	8	7	6	7	10	9	3	18	6	10	16	14	19	17	11	11	12	19	7	8	1	315
072	658	81	75	73	60	87	73	72	42	60	53	40	57	63	84	83	69	52	46	42	37	42	1949
073	1486	184	202	187	163	240	187	204	167	159	173	203	217	189	209	196	166	167	205	218	180	161	5463
074	554	62	78	79	73	105	81	79	116	92	91	85	109	90	102	112	101	86	58	73	53	32	2311

PATENTS GRANTED BY CLASS BY YEAR (ORs only)

	1977-																							
	CLASS	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	TOTAL
	075	194	25	15	18	17	16	15	10	12	13	21	25	12	14	17	14	14	27	25	17	8	8	537
	076	97	9	20	11	11	13	6	15	13	5	10	16	10	10	7	3	15	5	3	7	1	3	290
	079	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
	081	593	123	112	88	124	152	126	134	109	115	129	91	116	79	118	182	215	251	187	139	157	177	3517
	082	166	15	23	25	15	15	10	15	16	12	14	7	9	19	19	19	15	22	13	30	12	12	503
	083	606	77	87	88	67	85	92	100	84	76	58	51	58	47	72	93	73	66	45	57	99	52	2133
	084	834	94	75	129	101	112	113	109	91	87	104	124	128	95	130	158	173	152	121	131	123	96	3280
	086	51	9	7	3	6	12	3	9	5	10	3	5	2	4	5	1	6	2	6	3	1	4	157
	087	14	4	5	1	2	4	2	1	2	5	0	0	1	2	1	5	2	0	5	5	5	1	67
	089	135	15	22	22	22	33	43	22	24	28	24	34	18	21	30	28	23	30	33	32	35	19	693
	091	208	13	15	22	27	15	19	18	17	19	18	4	9	9	10	6	9	5	8	6	8	4	469
	092	108	22	10	15	33	20	33	29	16	12	25	22	16	7	18	12	10	13	15	17	9	8	470
	095	139	15	14	19	22	24	23	20	27	19	13	14	16	21	23	28	14	28	27	22	17	22	567
	096	212	28	16	29	27	33	41	25	27	29	19	21	27	19	21	27	22	25	25	17	23	23	736
	099	520	73	69	86	75	73	78	72	88	92	93	126	102	130	148	133	149	150	110	96	89	60	2612
	100	292	34	25	29	25	18	17	40	45	41	37	29	28	34	37	25	21	22	11	27	16	14	867
	101	308	40	38	43	37	44	43	53	49	49	51	69	39	49	67	50	56	53	36	49	52	27	1302
	102	134	17	18	29	31	31	30	33	36	31	28	32	18	15	19	21	11	35	28	27	28	24	676
	104	151	11	22	30	21	17	23	27	20	14	16	24	20	25	22	18	14	20	29	23	21	22	590
	105	63	7	9	11	7	9	10	11	13	13	6	8	13	11	12	3	12	14	12	6	6	11	267
	106	250	13	17	24	16	25	27	31	31	34	59	35	44	33	39	44	32	39	32	39	38	24	926
	108	296	24	30	43	37	63	44	42	51	28	62	62	83	77	77	83	103	68	63	66	72	43	1517
	109	80	11	9	14	9	15	11	5	2	10	5	3	5	11	9	9	8	3	7	5	2	4	237
	110	201	29	29	32	37	28	42	36	35	29	44	29	23	19	30	15	17	21	19	12	15	16	758
	111	148	8	18	19	18	15	26	18	16	12	18	23	28	22	10	22	21	29	19	24	13	12	539
	112	198	26	31	25	18	27	16	34	28	19	20	16	20	18	32	40	29	35	26	11	16	19	704
	114	795	119	112	184	139	172	179	181	148	139	144	138	147	139	141	154	175	147	133	138	108	162	3894
	116	257	19	37	19	26	45	49	62	34	34	49	38	35	28	23	32	41	37	42	32	44	33	1016
	117	43	5	6	8	8	2	6	4	2	2	6	7	3	4	9	8	8	7	4	3	3	3	151
	118	241	36	32	39	29	26	25	48	36	33	37	43	32	37	40	47	32	33	34	31	21	15	947
	119	840	119	89	101	128	133	169	200	209	180	186	164	194	186	288	227	216	207	255	249	177	156	4673
	122	173	24	25	26	17	23	20	12	8	9	17	11	11	6	16	15	14	11	10	25	11	13	497
	123	1479	165	132	159	117	173	139	182	159	142	126	131	137	123	159	136	129	195	148	156	132	138	4557
	124	257	35	47	58	44	61	44	54	51	53	60	67	70	91	59	60	56	60	52	67	80	48	1474
	125	74	13	8	10	8	8	14	6	9	9	11	8	10	15	10	12	14	16	12	11	17	14	309
	126	1997	180	141	129	107	110	112	96	60	83	79	75	65	61	73	93	102	90	48	70	65	63	3899
	127	32	1	3	1	1	1	2	2	7	4	5	3	2	1	4	6	1	4	1	0	0	1	82
	128	549	81	85	117	72	162	149	188	151	149	181	191	215	205	245	195	176	170	171	160	159	115	3886
	131	261	26	34	29	22	31	25	24	26	7	15	22	23	22	41	27	29	13	19	17	24	9	746
	132	342	52	66	59	41	61	76	92	68	73	85	72	87	88	169	195	141	104	86	75	57	25	2114
	134	297	34	33	49	70	71	57	83	68	62	65	90	68	56	76	120	98	79	83	74	48	34	1715
	135	207	25	29	31	50	73	60	50	52	60	101	62	77	84	90	79	83	127	79	71	87	63	1640
	136	133	8	10	12	7	9	8	10	6	4	10	13	16	11	14	9	22	15	18	10	14	10	369
	137	1144	169	149	178	163	217	185	190	195	183	181	147	141	143	171	237	251	223	128	126	135	128	4784
	138	221	15	26	28	24	26	14	32	28	20	31	30	28	23	45	63	52	46	34	24	23	25	858
	139	117	9	12	15	4	13	5	14	10	3	5	11	11	7	7	5	8	8	5	1	8	7	285
	140	73	10	6	9	8	3	8	4	4	3	9	8	7	5	9	5	8	6	3	5	2	1	196
	141	345	34	42	57	27	56	44	50	53	54	73	69	72	68	62	76	68	88	81	60	80	66	1625
	142	9	4	5	1	1	1	1	3	4	1	1	1	1	2	1	5	2	0	0	1	0	0	44
	144	409	51	64	53	65	63	59	56	69	46	52	50	40	44	53	59	62	53	59	61	31	19	1518

PATENTS GRANTED BY CLASS BY YEAR (ORs only)

CLASS	1977-																						TOTAL
	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
147	1	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	5
148	108	6	8	9	10	14	15	11	18	15	24	14	9	15	15	14	19	26	22	26	21	8	427
149	39	4	2	6	2	4	3	3	1	1	2	1	4	3	3	0	2	3	1	2	2	3	91
150	52	5	7	9	13	14	19	15	14	16	15	10	14	6	13	13	24	21	14	16	10	7	327
152	196	11	10	17	16	30	17	16	16	25	19	14	13	16	16	17	22	17	13	21	13	12	547
156	834	111	100	100	93	117	100	89	101	99	111	136	107	109	127	141	129	139	122	111	104	52	3132
157	52	8	4	4	11	5	7	7	7	5	3	5	4	1	2	3	5	7	2	1	1	2	146
159	29	4	2	2	4	2	1	0	5	6	3	3	2	0	3	1	1	0	1	0	0	2	71
160	285	34	23	51	51	76	60	79	74	60	52	70	69	82	84	86	111	92	81	70	74	61	1725
162	91	14	9	11	12	14	16	14	11	18	14	12	15	12	20	10	13	21	9	9	6	4	355
163	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
164	229	25	40	35	24	36	33	21	13	29	26	12	31	13	21	13	6	20	31	23	12	17	710
165	495	66	64	73	60	72	58	46	59	39	67	52	48	27	49	51	39	53	42	36	70	37	1603
166	392	58	57	88	52	58	64	71	78	71	80	67	58	53	73	56	81	126	70	79	69	50	1851
168	28	6	5	3	8	7	4	13	13	10	5	2	4	6	6	4	11	8	9	7	5	6	170
169	117	14	17	19	11	21	16	27	30	22	13	9	25	31	31	42	40	24	26	20	12	17	584
171	48	1	5	2	3	0	8	4	3	2	6	3	1	1	2	1	4	2	5	0	1	1	103
172	499	49	53	35	28	56	51	34	39	34	38	50	47	42	65	51	54	49	41	33	32	34	1414
173	150	16	23	23	15	36	17	23	20	9	14	16	15	15	28	21	28	15	10	21	24	19	558
174	195	26	38	32	34	31	42	39	37	45	46	49	40	48	83	78	59	84	95	79	72	102	1354
175	354	51	41	35	40	50	50	52	52	36	44	46	45	29	53	45	42	49	39	37	33	33	1256
177	136	18	18	28	23	27	20	11	16	20	12	11	2	12	19	13	10	15	13	19	14	6	463
178	23	4	3	5	3	1	3	3	3	2	1	4	5	3	3	0	3	0	2	0	0	0	71
180	552	66	75	56	74	65	55	71	60	58	76	59	66	35	60	70	73	70	78	78	56	81	1934
181	256	33	33	35	30	39	35	33	22	42	30	24	26	32	38	54	53	31	35	42	22	26	971
182	527	90	118	102	84	90	91	110	106	61	100	74	75	80	111	130	102	67	95	78	99	80	2470
184	83	10	8	9	8	11	21	15	16	15	14	23	25	11	14	17	14	20	12	7	7	5	365
185	15	1	0	4	0	2	3	0	1	1	1	0	0	3	0	1	2	1	1	1	0	1	38
186	26	1	4	2	3	2	1	2	7	3	1	6	5	5	4	0	3	4	2	2	4	0	87
187	82	10	7	12	9	7	8	17	14	14	21	12	22	16	16	28	17	16	14	11	10	6	369
188	217	21	31	21	26	52	41	31	29	26	44	46	58	43	41	55	45	52	78	44	31	40	1072
190	71	10	14	10	16	16	11	10	21	13	17	22	23	19	16	17	16	20	19	22	10	7	400
191	40	2	2	3	4	2	4	4	6	3	8	4	3	7	4	2	4	13	6	5	3	4	133
192	154	17	21	25	5	17	19	34	17	11	17	18	30	20	16	27	18	18	15	11	10	14	534
193	59	3	4	11	4	6	3	8	5	7	3	3	3	2	1	8	9	9	13	1	4	4	170
194	102	13	12	7	12	9	7	14	12	14	9	18	15	7	7	15	5	8	5	9	7	1	308
196	12	0	0	1	1	1	1	1	0	1	1	1	1	0	4	1	1	0	1	0	0	0	28
198	414	58	53	59	68	60	67	68	73	60	81	49	44	45	57	55	70	63	66	56	50	39	1655
200	359	41	29	31	35	33	38	43	31	30	32	32	32	32	54	38	20	21	39	31	50	41	1092
201	30	0	4	2	0	3	0	0	5	0	2	2	0	3	2	1	0	0	1	2	0	1	58
202	163	17	15	11	13	11	19	8	6	10	11	9	8	15	8	7	9	5	8	6	5	2	366
203	68	12	21	27	12	17	25	14	25	24	9	43	7	12	28	20	8	9	11	3	6	8	409
204	370	37	39	37	30	57	53	46	58	37	44	58	33	50	36	38	56	67	44	40	29	19	1278
205	261	19	21	34	22	22	27	26	32	41	41	38	25	19	25	27	30	48	33	17	25	12	845
206	1036	141	153	186	214	273	252	244	208	238	239	231	216	235	343	321	312	243	217	192	174	186	5854
208	131	7	7	4	4	14	14	7	10	3	11	6	16	6	7	14	8	7	5	7	4	3	295
209	367	42	36	32	36	44	40	42	36	48	45	35	28	32	36	43	37	36	36	15	27	29	1122
210	1319	144	167	191	206	264	232	249	300	276	225	249	264	255	258	281	273	310	246	206	209	204	6328
211	450	62	80	74	81	92	103	134	133	114	126	97	144	134	190	153	156	140	124	120	105	96	2908
212	81	11	9	12	13	9	7	12	8	10	6	4	5	8	17	16	10	9	8	8	5	5	273

PATENTS GRANTED BY CLASS BY YEAR (ORs only)

1977- CLASS	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	TOTAL
213	19	1	3	2	1	1	0	3	2	0	2	0	2	0	1	0	3	4	2	1	3	1	51
215	249	63	42	50	76	66	51	50	42	34	33	51	33	35	42	50	41	38	33	23	22	20	1144
216	32	11	5	5	12	8	5	8	8	9	14	9	4	6	10	7	5	4	11	10	16	9	208
217	14	0	1	5	3	2	1	0	1	1	2	2	1	0	2	1	2	1	0	0	0	2	41
218	12	3	3	1	2	2	2	1	1	2	2	0	2	0	0	0	2	3	0	0	2	0	40
219	644	112	80	94	92	119	132	114	94	89	82	99	93	82	110	126	180	125	127	113	128	102	2937
220	596	93	95	91	110	154	201	176	160	174	158	154	156	145	182	219	184	187	153	119	106	68	3681
221	266	36	41	35	25	35	38	44	45	39	48	44	44	34	47	46	47	48	57	58	43	32	1152
222	997	105	105	123	104	163	151	194	180	171	170	175	168	142	168	246	174	179	170	111	135	128	4259
223	148	25	30	31	20	15	30	40	32	18	17	21	34	45	39	47	61	54	26	20	34	21	808
224	658	70	55	60	118	144	158	153	114	142	150	184	178	181	202	195	165	177	149	133	133	76	3595
225	69	12	9	13	10	17	10	16	24	10	8	10	12	6	12	12	10	8	4	14	7	11	304
226	120	7	6	11	14	6	4	1	2	5	5	3	4	3	5	6	2	4	4	2	2	1	217
227	143	23	22	25	22	36	18	18	18	15	14	17	17	24	22	22	26	23	32	27	27	29	620
228	138	18	30	28	23	32	35	24	25	27	20	29	22	23	13	23	23	26	24	19	21	20	643
229	168	17	28	32	47	50	52	68	50	49	53	44	35	37	62	63	56	53	45	32	12	19	1072
231	3	2	0	1	1	1	0	2	0	0	0	0	0	1	0	0	3	0	1	0	0	0	15
232	109	16	9	18	28	26	29	23	18	12	12	34	16	19	15	19	15	17	11	17	15	17	495
234	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
235	249	29	34	34	29	43	28	24	26	27	31	50	38	41	40	59	66	43	74	103	96	60	1224
236	196	31	18	22	16	20	12	11	18	19	19	15	8	10	15	13	22	14	13	14	10	7	523
237	154	15	14	11	9	10	12	12	7	9	6	5	9	6	11	11	10	16	9	14	5	2	357
238	87	4	2	6	6	13	10	6	12	3	7	8	12	6	15	6	8	9	12	7	7	3	249
239	790	76	101	74	98	118	111	114	103	106	125	96	64	104	151	156	182	130	120	141	128	101	3189
241	376	35	53	52	51	70	69	63	58	87	68	59	70	59	61	82	62	43	57	59	50	41	1625
242	609	92	52	87	86	82	74	54	61	71	67	49	66	72	94	106	86	90	107	90	52	57	2204
244	411	32	56	74	75	79	55	83	91	76	62	53	58	39	86	86	99	91	99	93	91	70	1959
245	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	5
246	26	1	2	2	5	2	1	3	3	5	5	11	4	6	11	2	10	12	8	10	5	2	136
248	1025	141	170	217	196	265	294	366	358	252	248	244	250	242	369	325	364	326	343	312	233	170	6710
249	283	24	19	37	27	29	21	23	19	17	12	14	16	22	24	14	16	18	17	9	16	8	685
250	492	53	57	73	59	111	95	111	90	79	69	88	80	76	93	84	70	70	71	100	96	71	2188
251	326	53	40	47	32	46	39	34	47	49	54	39	32	33	39	43	49	35	44	41	39	48	1209
252	170	18	20	24	15	23	18	21	26	10	19	19	30	23	31	32	37	39	19	21	30	15	660
254	442	59	38	54	51	65	47	44	47	71	42	35	34	57	49	81	74	66	65	76	63	68	1628
256	178	25	15	26	20	31	20	25	26	21	29	25	26	37	34	30	33	32	21	42	34	34	764
257	58	9	8	18	10	18	23	24	31	21	25	36	29	46	44	41	42	55	68	81	64	62	813
258	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
260	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
261	317	32	27	30	18	26	36	31	31	25	15	23	26	24	23	27	25	44	31	27	24	16	878
264	682	65	62	51	72	74	102	89	103	111	89	99	90	93	124	105	106	90	104	88	89	46	2534
266	196	18	24	16	17	18	7	15	9	8	10	20	13	13	13	5	14	10	11	10	14	3	464
267	78	7	15	26	19	32	16	10	12	14	14	13	17	12	16	17	14	16	20	13	11	3	395
269	354	46	43	56	50	74	64	40	52	40	33	29	49	26	48	58	63	44	43	46	40	20	1318
270	47	9	8	4	3	2	9	6	2	5	3	3	3	2	4	2	4	3	1	2	2	4	128
271	100	16	20	28	13	22	13	19	18	22	10	13	15	7	9	6	8	6	11	7	4	6	373
273	1307	168	126	142	133	208	218	220	209	189	245	247	214	223	253	224	197	211	223	194	136	110	5397
277	216	30	23	18	21	23	13	18	20	16	18	17	21	24	21	25	18	33	38	21	20	12	666
278	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	2
279	95	19	24	20	11	14	16	19	18	16	16	15	13	10	14	19	13	20	12	15	3	16	418

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CLASS	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	TOTAL
280	1834	211	260	268	282	315	268	324	276	323	363	345	342	251	410	402	469	455	427	387	365	335	8912
281	71	17	25	23	18	31	25	26	24	29	19	26	24	30	34	44	25	22	17	7	12	9	558
283	75	15	27	26	11	36	32	37	36	43	43	45	34	30	47	64	48	36	24	21	13	12	755
285	410	50	54	88	49	71	47	61	59	64	70	65	59	41	70	75	49	51	51	49	43	33	1609
289	39	3	7	5	3	4	1	4	2	1	1	1	3	7	2	6	4	9	5	4	5	2	118
290	292	29	22	23	21	16	7	9	10	7	12	23	8	7	22	13	23	29	26	15	60	47	721
291	5	1	1	0	1	0	1	0	1	0	0	0	3	0	0	0	1	0	1	0	1	4	20
292	426	36	59	79	44	65	64	86	77	36	37	45	63	73	43	54	54	27	66	47	30	36	1547
293	56	5	6	14	6	12	14	17	12	11	6	3	5	12	8	7	9	14	9	12	9	9	256
294	652	82	70	91	90	90	79	74	81	101	97	106	117	109	150	130	124	81	119	77	45	47	2612
295	2	1	2	0	0	0	1	2	0	0	0	0	1	1	0	2	0	1	1	2	1	0	17
296	559	57	63	103	83	125	148	136	127	100	85	95	116	113	139	151	165	176	126	135	144	121	3067
297	556	82	101	116	107	147	119	115	118	82	165	120	171	161	183	220	263	159	176	182	179	139	3661
298	71	4	8	11	8	9	5	8	5	8	7	9	5	5	8	7	10	11	7	12	18	9	245
299	181	15	12	25	21	17	18	15	16	16	6	11	8	11	10	12	10	15	8	12	7	4	450
300	9	1	2	3	0	1	2	2	4	5	5	5	1	4	2	2	1	3	1	4	2	0	59
301	103	8	14	19	17	15	28	26	31	24	25	17	26	13	27	29	39	45	42	40	34	27	649
303	57	2	6	7	4	6	12	7	10	13	6	15	7	14	6	11	11	10	18	8	5	4	239
305	36	2	4	1	5	5	3	0	1	3	5	6	4	7	8	7	8	8	7	6	1	0	127
307	228	22	12	42	42	41	17	14	19	30	25	22	46	47	51	57	38	21	22	30	32	9	867
310	320	33	41	47	45	60	33	43	43	48	40	34	42	51	73	79	66	72	70	61	88	59	1448
312	460	31	46	48	49	58	42	45	71	63	54	68	66	57	87	79	82	51	70	60	57	35	1679
313	90	7	11	9	15	21	14	21	14	8	10	11	21	18	23	32	23	19	23	28	20	14	452
314	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
315	256	30	33	42	32	54	66	74	44	50	37	64	45	29	59	47	65	64	58	71	43	54	1317
318	265	36	38	45	43	39	54	39	32	34	39	48	38	34	46	35	44	33	33	21	22	18	1036
320	75	7	18	22	7	12	6	6	21	30	21	10	24	32	32	34	40	41	38	33	31	19	559
322	55	7	3	9	5	3	4	4	3	5	4	1	4	5	5	2	3	6	1	3	2	3	137
323	70	6	8	13	8	16	9	10	15	10	7	7	11	12	13	9	11	16	19	5	8	11	294
324	496	65	48	67	69	117	84	69	96	74	80	99	109	51	97	82	91	97	118	98	95	76	2278
326	12	2	1	2	4	1	7	3	9	4	10	7	7	5	11	7	4	8	10	8	8	9	139
327	121	6	5	5	11	18	11	8	21	13	16	10	16	11	20	23	23	24	22	17	20	14	435
329	12	3	0	0	1	2	0	3	0	1	2	1	2	1	0	0	1	0	1	0	1	0	31
330	87	17	10	14	18	17	8	10	12	7	8	8	12	12	10	15	17	19	13	17	16	6	353
331	41	3	6	11	2	5	4	9	3	3	2	2	6	5	8	8	5	6	2	5	5	5	146
332	13	2	1	0	0	0	2	3	1	0	1	5	3	0	2	1	1	2	0	1	0	0	38
333	81	7	10	13	8	18	8	10	15	11	11	10	10	4	8	10	12	13	13	21	12	20	325
334	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
335	123	11	9	14	11	7	8	11	11	13	12	10	16	14	9	18	14	17	16	16	13	22	395
336	44	5	3	2	1	4	7	1	3	3	6	5	6	8	6	10	9	4	6	15	19	14	181
337	93	17	5	11	2	11	7	7	6	5	4	7	4	14	17	23	17	15	13	20	8	7	313
338	58	3	3	8	11	13	9	12	6	8	6	0	6	3	4	6	8	2	4	4	2	0	176
340	1094	113	112	174	148	255	205	227	179	163	167	222	273	314	372	378	432	381	318	222	308	309	6366
341	70	11	11	20	15	29	23	10	14	22	17	24	23	32	33	25	28	34	43	34	24	21	563
342	142	17	16	31	14	20	21	19	21	28	28	27	36	24	40	34	34	39	37	27	26	26	707
343	188	14	22	26	27	31	30	31	9	25	19	27	31	24	29	37	43	52	50	25	26	47	813
345	91	6	10	15	35	32	25	28	27	21	46	47	47	76	85	108	112	122	113	107	81	85	1319
346	48	6	4	7	6	5	4	3	0	0	1	2	2	0	1	3	0	1	0	0	0	0	93
347	37	4	5	8	11	7	8	7	6	1	6	6	4	9	17	10	19	16	22	20	20	23	266
348	229	35	35	51	24	41	60	62	46	38	50	59	57	54	68	63	70	54	49	44	54	35	1278

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1977-																							
CLASS	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	TOTAL
349	15	5	3	8	7	10	7	4	12	6	4	17	19	11	9	7	7	12	9	12	11	12	207
351	237	33	30	46	56	99	78	66	66	59	58	81	70	70	83	114	104	88	86	93	94	87	1798
352	96	15	11	18	1	4	8	16	10	6	1	3	6	10	7	14	5	8	4	6	8	3	260
353	120	10	12	6	11	8	13	10	10	15	13	16	13	12	13	16	11	11	9	9	22	14	374
355	225	38	28	22	22	21	12	20	18	14	14	13	3	11	8	11	6	11	7	7	6	4	521
356	352	45	31	49	36	63	55	62	57	48	38	67	61	61	70	76	75	32	60	58	73	55	1524
358	48	8	10	10	10	9	8	14	17	14	22	19	28	14	15	27	16	13	19	13	17	9	360
359	583	70	103	82	97	116	135	105	128	105	93	89	96	79	136	138	129	154	159	122	113	120	2952
360	184	16	30	43	21	29	29	20	22	25	25	23	23	15	27	18	20	18	20	16	15	7	646
361	340	40	45	50	61	80	59	45	66	72	48	71	90	87	118	85	98	115	120	109	115	88	2002
362	679	113	108	104	156	179	183	207	219	141	176	207	219	221	271	259	351	343	327	367	304	278	5412
363	101	15	12	18	17	26	21	19	16	25	16	14	23	22	25	22	28	32	32	19	13	11	527
365	55	4	4	4	6	9	9	11	10	20	24	17	26	27	32	24	30	27	19	25	17	22	422
366	418	48	47	35	50	53	57	43	32	33	47	55	66	44	57	65	46	65	45	39	28	30	1403
367	120	19	15	29	18	23	41	23	41	36	23	26	19	16	19	16	17	23	15	11	15	19	584
368	236	34	29	35	40	32	38	47	43	45	51	27	25	39	43	43	30	50	47	36	45	26	1041
369	168	18	11	9	17	15	10	14	11	16	16	31	19	21	21	17	22	18	22	27	15	11	529
370	68	10	14	13	10	17	12	9	13	12	9	34	28	28	34	28	35	35	25	23	39	32	528
372	77	8	10	9	21	25	36	24	13	14	21	26	18	22	19	14	16	16	14	26	39	22	490
373	66	3	3	4	5	3	4	3	5	5	3	5	3	0	0	7	12	6	6	3	3	1	150
374	148	28	17	13	13	21	14	22	13	15	15	8	10	18	29	11	22	14	15	13	14	13	486
375	49	8	18	14	10	20	13	19	19	15	16	24	31	29	33	40	33	21	27	30	31	30	530
376	118	5	11	9	9	8	13	9	18	14	10	12	9	4	12	8	2	4	4	5	6	4	294
377	97	10	4	9	5	13	5	5	9	5	3	5	6	1	1	4	6	3	6	2	3	2	204
378	152	18	31	21	26	27	31	42	35	31	28	24	33	22	36	18	32	28	26	26	17	23	727
379	318	37	56	47	66	87	57	75	64	34	50	75	76	80	102	72	62	72	57	73	72	59	1691
380	34	3	9	8	11	4	17	20	11	15	23	12	15	22	22	8	18	15	11	4	8	10	300
381	331	33	37	39	33	60	50	33	47	43	47	40	57	63	115	63	60	43	68	68	68	52	1450
382	45	12	14	11	9	16	16	22	24	25	18	26	35	39	51	58	66	51	42	59	59	52	750
383	103	13	16	20	27	32	30	40	29	28	37	27	21	21	23	45	51	44	25	15	13	18	678
384	205	41	32	29	17	24	31	26	31	21	34	37	25	16	25	23	20	32	25	18	11	13	736
385	44	7	14	32	43	33	43	48	26	30	31	31	39	32	67	62	59	57	79	76	66	70	989
386	35	8	6	6	9	17	12	13	7	7	3	4	6	11	7	10	11	10	13	5	10	2	212
388	21	3	1	3	2	0	2	3	1	1	7	2	4	1	0	4	1	1	0	0	1	0	58
392	135	20	20	20	22	19	21	14	22	20	21	21	13	16	27	32	31	31	23	18	12	23	581
396	362	44	29	35	46	33	43	44	26	20	29	15	34	27	61	42	24	21	29	39	34	16	1053
398	34	9	6	13	6	8	7	7	4	5	9	7	9	7	9	9	6	7	10	12	9	12	205
399	35	4	2	3	2	6	6	6	10	11	10	13	6	12	9	9	7	20	8	10	4	8	201
400	127	25	19	19	17	22	22	27	19	31	23	31	22	15	20	19	20	11	14	20	25	16	564
401	219	28	32	31	39	41	56	78	45	37	59	46	33	23	36	110	98	124	90	77	89	71	1462
402	54	10	18	14	12	20	18	20	19	15	15	11	18	17	23	13	22	10	15	14	9	8	375
403	429	54	73	63	45	49	70	60	63	55	46	49	52	57	60	64	44	75	63	58	43	30	1602
404	263	29	45	65	43	72	72	80	52	72	59	61	51	51	46	57	63	48	66	56	71	41	1463
405	684	66	78	127	86	134	120	166	150	148	88	91	145	99	135	151	101	107	149	129	118	100	3172
406	103	10	5	9	8	15	12	19	13	10	4	5	8	6	6	7	8	14	12	11	6	3	294
407	60	7	11	9	2	4	5	12	7	9	3	2	2	8	8	9	9	12	3	8	1	6	197
408	290	31	44	31	37	34	51	57	43	32	45	44	25	35	56	47	22	40	27	31	19	17	1058
409	120	21	38	25	23	27	31	20	18	18	14	17	19	27	29	25	31	18	21	20	16	18	596
410	122	8	9	11	23	20	23	22	16	16	20	30	23	16	28	35	47	46	37	47	48	34	681
411	240	23	27	43	47	50	60	39	53	54	42	49	52	52	63	59	55	46	42	34	35	27	1192

PATENTS GRANTED BY CLASS BY YEAR (ORs only)

CLASS	1977-																						TOTAL
	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
412	17	4	0	3	1	2	7	3	4	6	3	4	4	6	7	4	7	10	9	1	1	3	106
413	12	0	1	1	0	0	0	1	2	1	2	0	2	1	2	0	1	1	0	0	2	0	29
414	1086	116	117	131	131	114	128	153	133	125	138	142	142	112	131	144	167	85	113	92	101	62	3663
415	205	30	13	25	32	22	15	22	32	24	22	22	29	13	13	13	23	30	37	39	31	36	728
416	236	29	22	29	26	29	22	9	22	40	30	36	31	24	17	29	43	36	42	29	35	30	846
417	548	90	82	58	83	82	66	75	64	76	58	69	69	68	71	74	113	102	103	100	62	26	2139
418	198	25	15	23	23	19	24	20	23	18	25	22	20	17	17	12	31	27	24	22	14	10	629
419	30	5	7	4	2	1	9	6	2	1	7	4	7	7	4	5	4	2	4	4	5	2	122
420	93	2	2	4	5	6	7	7	6	4	8	6	1	3	2	4	0	1	7	6	3	3	180
422	363	33	39	44	46	54	60	69	94	81	83	108	77	72	89	93	90	93	95	86	62	56	1887
423	337	28	27	36	32	27	40	33	28	26	30	28	24	17	27	29	24	41	35	36	24	15	944
424	502	68	74	87	104	151	127	132	151	152	128	142	186	250	295	338	292	361	351	321	200	134	4546
425	676	79	62	89	99	100	93	84	75	81	83	69	67	57	76	63	65	49	56	47	48	30	2148
426	553	74	58	70	90	117	115	104	99	94	88	98	111	107	105	154	159	165	121	98	94	47	2721
427	367	59	38	62	54	49	38	52	62	38	64	74	58	64	80	73	75	77	58	66	50	24	1582
428	841	172	149	131	146	170	187	159	165	173	181	209	207	214	260	270	244	222	167	212	171	109	4759
429	183	21	10	13	18	22	19	18	17	20	22	35	71	30	29	32	27	28	25	40	16	24	720
430	176	22	19	19	19	10	23	23	14	12	16	23	28	13	23	22	27	25	33	27	25	19	618
431	264	35	34	37	28	41	37	31	33	30	41	38	42	25	51	59	61	69	38	62	52	46	1154
432	189	20	26	22	20	18	16	16	12	9	7	3	2	10	11	15	12	9	11	17	5	4	454
433	749	123	109	112	126	139	118	184	173	143	157	107	145	133	222	203	154	191	134	113	82	98	3715
434	594	72	55	93	84	107	81	82	100	130	107	86	107	97	147	136	143	89	101	123	94	88	2716
435	353	24	43	69	61	64	72	66	71	89	99	114	130	184	228	256	210	247	178	181	139	122	3000
436	172	17	22	23	27	32	16	23	24	33	31	29	42	39	53	40	43	44	30	43	30	9	822
438	60	15	7	16	12	9	10	16	19	20	16	33	24	20	36	52	56	68	65	83	72	45	754
439	436	70	77	106	126	116	130	116	141	117	137	120	133	130	175	150	210	194	159	139	177	158	3317
440	189	35	33	56	36	48	49	57	39	53	44	45	48	51	55	50	56	44	40	50	46	45	1169
441	146	35	43	49	45	54	61	45	51	41	65	59	51	56	66	50	55	54	59	55	45	55	1240
442	70	19	10	11	10	15	7	5	11	8	13	16	10	9	22	29	20	15	10	8	9	5	332
445	10	0	1	1	1	1	2	1	2	2	3	2	1	5	2	9	5	4	3	4	3	3	65
446	675	73	69	85	77	106	131	126	123	107	122	103	109	79	140	135	181	157	176	172	141	98	3185
449	61	9	4	5	7	1	0	6	3	0	3	2	1	5	2	1	2	1	3	5	3	1	125
450	68	5	9	7	6	8	7	6	8	9	4	11	6	14	20	34	49	37	32	14	18	15	387
451	434	63	66	87	78	85	88	84	81	96	69	73	81	88	80	92	101	121	93	81	96	84	2221
452	230	37	50	41	29	22	38	28	40	36	40	31	33	21	17	22	32	31	11	19	15	16	839
453	27	6	5	2	4	4	3	9	4	3	4	5	2	4	0	1	4	1	3	2	8	0	101
454	214	46	29	42	38	39	50	38	54	34	42	24	36	34	44	45	41	59	58	47	46	35	1095
455	173	13	14	15	24	39	15	35	30	25	15	33	54	34	55	59	72	61	68	76	95	82	1087
460	38	7	4	2	3	5	11	8	8	5	4	8	12	1	9	5	8	5	5	2	4	4	158
462	20	4	3	4	2	4	3	1	8	10	3	5	3	1	1	0	2	4	0	0	0	0	78
463	113	21	9	23	16	27	17	29	24	28	40	25	36	28	65	52	63	63	52	58	43	47	879
464	102	4	5	7	12	8	10	3	8	8	10	11	10	7	10	4	9	23	10	14	9	7	291
470	44	1	2	3	3	1	1	1	3	6	3	4	2	2	4	4	2	0	3	3	1	1	94
472	120	13	12	12	9	28	33	21	18	29	21	22	24	26	47	31	25	21	23	28	19	22	604
473	1180	174	142	162	180	262	307	321	327	301	386	423	395	363	471	382	324	316	308	310	290	255	7579
474	121	24	16	35	19	35	30	27	13	24	33	34	23	25	17	14	28	13	19	10	6	7	573
475	108	16	18	27	35	39	25	36	33	26	20	22	25	19	24	35	35	21	22	25	16	25	652
476	21	2	3	3	0	4	0	3	3	2	0	4	7	1	2	2	5	2	2	1	2	3	72
477	48	8	5	3	3	6	8	7	2	1	4	6	8	6	5	5	4	1	4	6	3	4	147
482	684	119	171	167	177	208	226	220	227	219	249	221	275	281	324	308	304	274	252	262	263	185	5616

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CLASS	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	TOTAL
483	8	4	2	4	2	0	2	4	2	0	3	1	1	3	1	6	6	1	4	2	1	0	57
492	31	1	3	3	2	4	4	1	1	5	2	8	3	6	5	5	3	1	1	2	3	0	94
493	164	25	23	23	10	16	16	24	41	19	23	17	16	11	30	21	24	11	16	25	15	13	583
494	52	4	2	5	6	7	3	6	2	7	8	3	4	5	8	7	6	7	8	2	3	3	158
501	54	5	1	5	9	11	11	9	12	6	13	11	13	7	10	11	5	12	12	14	5	6	242
502	81	12	10	10	5	9	12	17	17	21	9	10	8	8	12	16	18	11	14	4	4	2	310
503	11	1	2	0	2	3	4	3	1	2	4	0	4	2	4	4	0	2	1	0	3	1	54
504	35	6	5	3	2	6	9	8	18	8	5	5	8	11	10	28	14	16	11	9	5	5	227
505	2	0	0	0	0	1	4	5	10	8	6	9	7	8	3	8	6	5	2	3	4	5	96
507	14	8	4	4	3	5	3	2	5	3	0	1	1	3	7	5	3	1	5	6	11	8	102
508	33	6	2	8	3	7	6	6	7	7	5	9	8	8	11	13	10	10	7	8	4	2	180
510	68	12	8	13	14	13	13	15	10	11	12	19	22	23	34	41	23	29	30	30	26	12	478
512	2	0	1	1	2	0	2	0	2	0	3	0	0	1	1	1	3	1	1	1	1	0	23
514	595	85	84	92	90	156	151	173	126	121	117	148	185	208	248	268	243	277	243	201	151	128	4090
516	17	2	1	3	0	1	2	1	4	2	2	2	3	4	2	5	4	5	3	7	2	2	74
518	1	0	3	1	0	1	0	0	1	0	2	2	1	0	1	0	1	4	1	0	2	1	22
521	131	18	11	7	16	12	8	14	20	17	8	16	8	13	17	18	9	15	11	16	5	8	398
522	9	2	1	2	1	1	1	1	3	2	1	6	5	1	2	5	4	2	1	6	3	3	62
523	110	8	10	8	13	9	16	12	11	13	11	16	13	11	20	15	13	14	12	12	6	4	357
524	182	17	14	14	10	20	16	24	33	22	28	26	32	24	40	29	25	22	27	30	18	17	670
525	122	10	3	14	6	9	24	20	19	19	12	13	10	12	15	11	10	14	13	11	9	5	381
526	55	9	3	4	9	3	5	9	5	10	9	1	7	4	9	9	8	14	8	23	8	6	218
527	16	0	1	0	1	3	2	1	1	2	1	3	0	1	1	0	2	0	0	1	1	0	37
528	110	7	7	5	7	11	11	15	14	23	13	11	6	11	15	12	9	14	15	7	7	12	342
530	116	9	11	11	7	14	6	13	20	13	17	13	14	36	45	38	18	40	30	34	31	12	548
534	9	0	4	3	1	4	4	3	1	1	1	1	1	2	2	1	0	0	1	1	0	0	40
536	59	7	7	2	4	7	12	7	11	11	5	15	24	18	34	31	19	31	20	26	17	14	381
540	32	0	4	6	3	2	3	4	2	3	1	3	1	8	2	6	0	3	3	2	3	0	91
544	43	6	4	2	4	2	4	3	3	6	6	4	3	2	2	4	3	1	3	3	5	5	118
546	39	6	1	3	1	1	4	1	2	7	7	3	8	8	6	6	7	5	3	10	4	6	138
548	33	5	7	3	3	5	6	5	7	4	4	5	6	2	4	7	2	2	3	3	3	3	122
549	51	3	2	2	3	3	3	6	2	9	3	1	1	7	6	7	5	10	9	4	2	5	144
552	21	0	0	1	0	2	0	5	1	0	0	1	0	0	1	2	0	1	1	1	2	0	39
554	31	1	3	1	0	2	4	3	3	2	7	4	3	3	4	3	4	6	9	8	4	3	108
556	29	2	4	4	3	1	3	6	4	5	2	6	6	6	3	8	3	4	2	9	2	3	115
558	32	1	2	0	2	4	5	2	2	3	1	2	5	1	4	4	3	1	2	0	1	0	77
560	40	3	1	4	3	4	8	7	4	3	5	6	5	6	4	4	1	7	7	4	3	0	129
562	37	3	3	3	3	5	4	4	3	9	5	3	4	8	5	4	5	6	6	8	2	2	132
564	31	1	4	3	1	5	4	4	6	2	2	10	3	4	3	2	5	10	7	3	2	2	114
568	57	5	5	4	4	5	1	11	9	5	5	4	6	3	10	13	6	6	4	7	6	2	178
570	15	0	0	0	0	2	1	0	5	0	0	0	1	4	2	3	1	5	0	0	0	0	39
585	46	6	4	3	1	10	8	9	6	7	1	6	10	8	17	12	8	11	4	8	4	6	195
588	46	10	8	8	9	9	7	2	6	10	15	17	16	22	18	15	11	5	6	3	2	3	248
600	839	124	145	180	115	196	201	218	196	228	246	268	216	201	374	301	327	266	327	264	179	147	5558
601	241	33	40	39	55	51	48	62	67	41	36	60	51	40	73	43	49	69	50	49	45	41	1283
602	310	59	65	65	60	65	72	80	62	56	62	76	58	71	121	102	109	80	70	95	63	63	1864
604	865	132	183	224	211	290	290	295	326	350	400	335	295	286	359	271	260	242	244	302	196	138	6494
606	554	111	169	161	149	169	159	213	230	253	289	276	312	396	438	437	396	329	278	322	191	150	5982
607	195	41	53	40	43	49	55	59	54	47	47	58	60	43	74	74	84	84	75	75	59	48	1417
623	319	46	75	80	82	93	93	73	105	82	89	78	123	93	116	114	134	156	147	145	132	97	2472

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CLASS	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	TOTAL
700	80	18	18	22	29	29	22	31	31	26	36	29	51	35	52	45	45	55	60	84	73	63	934
701	47	8	5	6	5	19	11	11	15	15	18	28	21	20	31	31	37	65	67	54	47	64	625
702	81	16	14	10	21	23	24	25	18	24	29	15	38	37	42	44	39	43	68	83	90	66	850
703	3	1	1	1	4	4	2	4	5	4	4	4	6	15	15	14	9	12	19	11	9	20	167
704	31	2	6	11	4	9	11	14	13	9	14	12	12	15	35	35	18	37	28	19	23	12	370
705	34	6	6	13	10	16	19	17	23	33	34	14	31	46	83	145	117	69	75	80	60	115	1046
706	0	0	1	1	3	3	6	8	5	7	7	14	15	11	36	16	21	19	22	28	20	11	254
707	11	0	2	1	0	3	3	3	2	9	14	17	14	23	53	61	44	52	59	79	91	59	600
708	100	13	7	8	10	21	13	11	13	22	16	10	18	14	17	15	13	9	14	10	12	10	376
709	7	1	0	0	0	0	3	0	2	5	1	7	14	9	40	34	46	45	51	43	62	55	425
710	21	3	2	6	5	3	7	8	4	7	6	8	11	15	21	18	23	16	12	23	16	15	250
711	20	2	4	3	5	6	5	7	5	6	7	10	13	15	15	11	12	11	10	15	13	13	208
712	14	2	4	4	2	9	9	1	5	7	3	7	11	12	19	9	4	9	6	5	2	4	148
713	8	2	3	3	2	10	7	11	8	9	11	10	14	17	23	14	21	24	18	16	15	24	270
714	36	4	3	12	5	10	5	11	9	4	14	15	14	16	20	13	10	19	11	23	24	19	297
715	9	6	2	3	6	11	10	6	12	14	13	13	14	25	35	38	24	38	21	29	30	32	391
716	1	0	1	1	1	2	0	0	1	0	2	2	3	6	8	4	2	14	19	23	19	10	119
717	3	3	0	0	0	1	1	1	2	0	3	6	7	4	7	15	12	13	11	7	9	10	115
718	1	0	0	0	0	0	1	1	0	1	2	5	1	2	6	3	5	2	0	0	1	3	34
719	0	0	0	0	1	0	0	0	0	1	0	2	1	1	4	0	2	2	4	6	3	2	29
720	3	0	1	1	1	1	1	2	1	0	0	3	3	1	5	4	5	2	6	7	7	8	62
725	27	4	6	3	4	4	7	10	7	3	10	7	18	9	16	24	12	19	12	11	11	6	230
726	2	3	2	2	2	1	4	0	3	0	5	2	3	4	11	15	16	15	11	11	12	7	131
800	2	1	3	2	2	1	1	2	0	2	3	5	2	8	27	24	13	14	18	14	16	15	175
D00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
D01	34	3	4	7	4	3	17	17	8	12	12	8	17	19	20	24	25	28	14	6	26	12	320
D02	427	72	62	71	67	85	92	107	70	149	156	165	175	167	275	232	184	144	193	169	150	120	3332
D03	579	84	65	70	75	63	153	174	161	213	211	195	202	199	260	278	248	221	210	210	184	163	4218
D04	79	21	29	34	30	22	32	34	35	57	39	62	62	43	62	46	76	72	88	52	31	26	1032
D05	32	2	0	2	4	5	4	2	5	4	2	6	2	9	9	6	14	18	5	16	9	5	161
D06	1969	291	287	284	252	220	313	389	405	561	450	600	542	485	625	587	654	593	627	528	414	312	11388
D07	796	83	149	143	123	154	156	154	170	251	238	229	311	201	278	242	318	295	225	287	262	189	5254
D08	1011	137	139	166	189	193	256	301	295	381	352	398	356	303	452	392	475	362	310	420	375	249	7512
D09	448	53	60	77	62	50	101	142	98	132	132	133	146	142	138	132	166	175	137	171	114	106	2915
D10	641	81	63	99	76	72	110	187	147	241	245	240	172	160	242	237	203	180	178	145	157	131	4007
D11	809	90	76	60	60	82	88	132	111	145	163	171	153	161	186	176	202	213	211	166	164	153	3772
D12	774	88	82	133	110	136	221	210	241	253	251	234	298	244	337	253	332	247	222	254	285	237	5442
D13	147	20	26	18	23	18	27	48	41	52	55	64	47	60	68	96	100	92	99	100	55	37	1293
D14	382	50	50	60	54	59	86	105	86	137	113	144	149	147	175	163	217	167	167	173	157	89	2930
D15	382	43	45	41	39	46	64	46	103	100	62	116	77	65	87	55	68	59	57	77	79	58	1769
D16	150	17	24	24	19	14	55	34	49	43	52	42	74	58	75	70	94	48	58	86	47	45	1178
D17	146	37	15	17	18	12	33	29	27	28	27	24	19	19	33	35	22	35	20	32	21	18	667
D18	110	15	20	17	8	8	16	24	15	20	13	11	18	12	16	17	25	16	25	20	12	11	449
D19	371	49	60	52	44	55	62	112	92	116	118	137	95	110	142	120	132	123	91	103	109	87	2380
D20	142	30	23	18	22	17	43	47	34	57	55	56	40	75	85	62	64	54	21	70	55	35	1105
D21	1579	197	183	230	211	269	299	424	392	385	435	425	378	383	555	405	455	434	340	299	273	260	8811
D22	399	30	44	49	46	75	54	49	66	89	96	103	113	81	86	111	92	86	100	93	72	71	2005
D23	745	61	83	87	74	74	112	205	158	146	201	203	153	157	213	211	261	197	197	204	191	193	4126
D24	595	67	102	99	84	90	102	130	159	184	187	187	184	178	213	192	200	233	190	163	109	84	3732
D25	504	26	70	32	41	54	44	50	52	78	104	83	93	108	115	128	137	115	139	126	124	107	2330

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CLASS	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	TOTAL
D26	311	46	43	55	58	62	62	99	88	84	128	136	174	146	209	162	253	311	260	249	199	135	3270
D27	157	6	13	8	8	4	9	13	4	7	14	18	19	17	44	49	34	35	34	36	35	35	599
D28	258	44	63	28	49	64	126	53	35	65	86	76	74	91	89	84	158	133	93	102	98	61	1930
D29	90	18	18	14	25	18	38	23	33	46	48	62	59	46	41	47	55	31	51	40	40	23	866
D30	295	34	18	43	53	32	41	68	62	88	83	77	82	92	69	73	119	60	60	62	61	68	1640
D32	169	23	26	51	27	28	61	55	39	54	82	89	70	85	86	67	64	49	56	68	40	30	1319
D34	196	28	38	34	49	51	54	82	110	114	94	98	65	57	101	70	78	68	68	83	58	34	1630
D99	92	13	12	18	3	14	16	17	24	34	28	42	29	37	39	34	38	52	30	62	44	26	704
PLT	480	77	73	66	132	188	98	119	75	101	97	78	83	91	124	101	91	125	261	232	156	105	2953
TOTAL	117487		15448		16543		20466		20839		21804		22853		28126		28133		25399		21809		576298
		14903		17587		20469		21886		21043		22220		21949		27824		26857		24578		18075	

PART II

PATENT COUNTS BY CLASS BY YEAR

ORIGINAL AND CROSS REFERENCE CLASSIFICATIONS

(DUPLICATES ELIMINATED)

PATENTS GRANTED BY CLASS BY YEAR (ORs + XRs)

1977-

CLASS	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	TOTAL
001	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5
002	1034	170	196	257	208	275	263	356	308	254	268	272	363	400	472	549	472	456	390	278	298	246	7785
004	1181	151	153	150	174	225	229	259	218	247	271	217	204	225	271	347	277	273	299	253	222	168	6014
005	1076	151	162	238	207	246	288	288	288	244	244	243	281	262	294	292	297	253	222	234	243	230	6283
007	167	36	36	35	36	48	46	51	39	62	56	38	51	41	53	51	63	67	45	38	48	37	1144
008	221	13	19	20	18	27	23	16	18	26	26	24	28	21	28	35	31	27	18	25	13	13	690
012	86	13	10	15	11	9	10	7	4	8	8	6	4	6	9	18	8	10	4	9	8	8	271
014	96	17	15	25	15	19	15	25	18	13	16	26	27	19	15	24	21	11	24	22	28	21	512
015	1602	243	195	261	259	293	272	319	255	252	298	290	317	267	362	404	413	328	290	283	217	167	7587
016	606	78	83	126	87	163	94	113	91	97	126	113	159	136	181	151	141	141	180	148	131	104	3249
019	94	22	13	12	4	18	19	15	9	8	17	17	8	12	9	16	13	16	18	5	2	0	347
023	43	2	3	4	4	4	3	2	5	0	6	3	1	1	4	1	4	2	3	2	1	0	98
024	1214	164	173	228	183	218	257	245	219	185	201	201	224	240	244	240	239	242	217	240	163	121	5658
026	52	3	3	6	5	12	5	7	2	4	3	5	7	7	4	6	5	4	4	0	1	0	145
027	58	4	3	3	7	9	12	11	7	8	11	11	5	16	16	13	9	15	11	18	7	3	257
028	123	11	8	8	8	11	15	7	14	13	10	14	13	13	11	15	15	8	7	5	13	6	348
029	1911	269	300	327	261	317	296	307	254	284	247	239	224	252	231	224	255	259	258	238	223	192	7368
030	1122	171	182	188	178	219	217	253	190	180	192	184	209	167	218	232	220	197	201	190	177	130	5217
033	1426	208	228	230	178	213	253	255	238	185	184	230	192	151	206	169	205	205	189	206	216	208	5775
034	593	85	80	83	72	66	67	70	76	89	79	77	69	71	79	103	107	71	67	51	52	49	2156
036	571	62	89	109	92	110	111	81	77	90	92	100	96	113	173	149	128	117	105	107	107	83	2762
037	446	48	59	50	50	72	63	64	67	64	41	50	62	53	64	80	78	63	75	53	51	47	1700
038	91	19	20	21	18	21	16	23	15	14	17	12	19	15	14	23	20	19	12	9	19	11	448
040	1347	149	146	175	176	277	223	263	220	231	259	246	232	232	259	295	310	305	289	288	250	191	6363
042	498	71	70	83	69	99	105	128	74	79	102	108	90	100	108	99	69	103	126	140	114	84	2519
043	1176	170	201	264	249	368	264	235	257	242	262	188	251	164	166	304	251	187	217	238	202	155	6011
044	194	26	22	21	22	25	17	15	17	18	19	16	16	11	13	19	29	23	19	19	18	14	593
047	801	73	95	82	91	126	123	141	122	124	143	143	135	103	150	137	168	139	136	126	73	86	3317
048	249	21	13	20	10	21	10	9	11	4	10	14	6	5	8	11	12	8	3	8	10	9	472
049	687	83	97	131	91	131	99	97	96	70	92	108	127	104	104	120	127	111	99	85	94	69	2822
051	85	10	6	9	11	13	13	14	22	18	15	14	10	22	7	7	11	6	9	7	8	4	321
052	3312	373	507	543	441	581	542	493	426	453	495	481	580	591	702	645	634	688	610	564	506	422	14589
053	587	97	108	122	86	96	87	105	78	79	70	91	93	83	98	94	81	77	66	68	77	70	2413
054	99	19	15	15	18	15	14	23	28	19	22	20	15	11	26	14	30	25	33	38	25	13	537
055	582	68	52	67	82	94	94	88	105	91	49	71	72	55	90	93	80	85	71	67	76	49	2181
056	704	84	68	94	75	84	122	117	105	95	94	118	96	54	84	100	95	70	77	64	60	68	2528
057	227	27	44	37	35	38	32	17	34	41	39	16	13	25	36	25	14	22	12	7	11	3	755
059	94	10	10	11	8	12	12	8	5	6	13	13	8	14	5	11	8	8	8	14	10	15	303
060	1483	141	119	149	138	130	101	108	114	121	101	95	89	93	130	118	116	132	123	108	120	113	3942
062	1066	160	158	156	151	188	196	165	163	189	188	165	174	154	202	196	212	241	240	208	164	119	4855
063	162	26	22	20	45	31	31	37	48	39	25	49	39	47	39	38	41	33	42	47	33	28	922
065	204	26	19	18	7	22	19	12	19	20	17	15	8	11	15	25	13	17	26	19	16	15	563
066	151	12	17	25	16	19	6	27	15	16	10	14	16	16	21	17	25	23	16	8	12	14	496
068	188	26	16	12	32	27	20	13	22	20	20	29	25	14	26	24	25	21	27	22	10	7	626
069	37	6	4	4	3	4	2	6	1	0	1	1	2	1	2	0	1	2	2	2	2	1	84
070	847	108	117	176	162	190	168	177	149	155	153	167	161	165	220	224	170	128	178	163	141	125	4244
071	162	18	14	15	10	21	13	10	25	14	17	20	18	25	23	24	17	25	32	23	16	9	551
072	852	112	114	112	85	122	103	97	69	78	73	63	80	91	107	101	96	79	60	64	62	53	2673
073	2234	281	305	323	275	410	318	364	286	288	292	305	337	270	335	310	275	287	304	316	270	239	8624
074	1417	199	220	247	204	257	203	224	226	196	197	185	210	183	200	226	196	171	151	137	112	95	5456

PATENTS GRANTED BY CLASS BY YEAR (ORs + XRs)

1977-																							
CLASS	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	TOTAL
075	284	29	26	33	24	29	25	24	25	22	32	32	20	20	29	23	19	37	34	23	17	8	815
076	167	29	36	22	27	28	24	22	28	21	14	22	17	27	15	16	26	13	12	10	7	7	590
079	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	3
081	875	161	167	148	177	201	188	204	160	183	179	143	186	149	190	256	300	317	252	191	213	230	5070
082	239	25	39	35	23	18	21	29	30	19	22	10	22	30	35	26	19	28	21	38	20	18	767
083	1108	149	169	160	145	171	167	176	172	141	123	102	115	102	136	147	138	118	83	120	134	84	3960
084	946	117	88	161	120	134	128	136	112	111	128	145	162	118	167	189	196	184	148	150	132	106	3878
086	73	11	10	3	8	15	3	13	7	13	7	6	2	4	8	3	6	4	8	7	3	6	220
087	25	6	8	3	4	6	3	4	3	7	5	0	5	7	5	9	3	3	6	5	5	1	123
089	217	29	36	36	36	42	70	35	44	50	43	51	35	47	48	48	37	55	54	59	57	55	1184
091	516	47	44	63	56	45	37	39	42	42	40	19	21	26	25	18	20	20	15	19	17	9	1180
092	450	68	47	61	75	71	65	70	46	49	59	46	38	25	40	36	38	40	38	32	18	19	1431
095	224	29	23	34	37	39	38	43	48	46	30	41	51	46	37	47	32	51	50	41	29	40	1056
096	463	53	42	65	64	63	82	60	75	65	41	41	56	54	56	74	57	75	74	49	61	52	1722
099	879	133	123	139	130	146	148	141	130	144	147	179	173	182	215	212	223	231	156	136	132	98	4197
100	549	76	57	68	50	71	60	68	91	78	75	67	57	75	72	51	43	37	28	34	30	23	1760
101	514	63	64	62	55	69	68	74	69	67	78	84	53	55	83	64	69	71	54	57	66	38	1877
102	207	26	29	44	50	39	41	43	50	44	37	43	24	30	31	37	18	46	41	43	39	36	998
104	325	34	38	56	39	46	36	39	36	33	32	47	36	41	39	34	26	34	42	43	35	29	1120
105	268	29	35	34	25	31	30	21	26	28	21	24	26	22	26	13	20	27	18	19	13	18	774
106	610	59	39	58	52	59	44	79	64	82	95	76	66	73	83	78	69	69	63	79	67	38	2002
108	704	88	111	102	101	144	116	122	134	89	128	125	145	143	161	146	189	145	124	122	128	85	3352
109	129	21	19	30	25	28	20	19	9	16	15	14	11	17	22	21	18	6	22	12	6	9	489
110	425	56	48	71	58	44	61	59	53	62	76	44	41	34	44	37	37	36	31	21	20	21	1379
111	242	22	26	27	27	22	34	25	26	18	27	32	36	27	22	29	33	42	25	30	21	20	813
112	251	38	42	34	27	35	22	39	35	26	22	27	31	29	46	43	35	40	31	18	24	22	917
114	1171	172	168	255	195	262	260	246	199	199	199	182	198	191	212	221	233	193	179	191	150	209	5485
116	638	67	86	76	105	124	119	142	86	98	117	95	110	93	85	118	117	96	94	85	85	64	2700
117	65	7	8	11	14	2	9	7	7	5	8	13	7	6	16	9	12	9	5	7	6	3	236
118	548	82	71	88	76	73	68	98	69	76	84	79	67	77	94	92	71	73	63	61	59	35	2104
119	1071	138	111	122	161	169	205	248	263	212	222	202	237	227	342	290	276	257	311	303	232	210	5809
122	392	50	41	48	33	45	35	29	22	22	38	22	27	21	28	31	27	29	16	34	21	18	1029
123	1843	212	181	206	161	218	198	224	199	181	178	165	178	160	194	183	162	231	176	182	170	156	5758
124	375	53	59	71	61	86	64	72	76	79	82	91	87	105	82	72	73	76	75	98	101	69	2007
125	134	18	14	18	13	16	20	16	18	15	13	14	13	20	15	16	26	21	15	22	27	25	509
126	2780	266	232	211	173	195	167	149	125	157	145	137	150	124	152	176	183	151	94	126	117	103	6113
127	55	2	4	3	1	1	4	4	12	5	7	8	5	4	7	10	6	5	6	2	3	2	156
128	1063	156	184	228	159	290	291	356	317	298	369	368	374	345	436	369	372	327	296	312	266	224	7400
131	313	28	42	32	26	34	27	28	29	10	20	22	27	29	51	43	42	18	22	24	29	10	906
132	428	77	84	90	63	99	109	133	97	97	115	102	129	127	200	247	181	133	109	103	78	38	2839
134	625	69	73	88	103	122	104	140	120	109	110	137	125	104	140	182	158	132	133	104	80	68	3026
135	391	47	51	56	75	123	98	102	89	109	139	101	128	133	136	120	132	161	119	119	126	105	2660
136	297	26	22	28	22	29	21	24	23	19	22	24	26	24	26	18	27	22	23	17	24	16	780
137	2231	295	286	326	296	385	325	329	344	311	335	264	259	266	309	365	372	359	236	238	208	206	8545
138	683	71	98	93	71	94	79	92	84	74	75	76	74	58	81	112	101	86	82	64	62	50	2360
139	153	14	12	20	7	22	9	21	16	12	15	23	15	11	15	12	12	12	9	1	15	8	434
140	131	20	17	19	14	10	15	10	8	8	13	12	12	10	15	17	12	13	5	9	6	11	387
141	607	78	83	105	80	114	92	109	104	102	115	120	124	98	108	140	129	129	116	94	115	91	2853
142	15	6	6	3	3	1	5	7	5	2	3	4	3	5	3	6	4	2	0	5	0	0	88
144	658	87	86	89	101	98	90	98	97	74	82	72	68	82	82	96	89	81	83	84	60	44	2401

PATENTS GRANTED BY CLASS BY YEAR (ORs + XRs)

	1977-																							TOTAL
	CLASS	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
	147	3	0	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	1	1	0	0	1	10
	148	205	15	15	28	19	23	31	27	36	32	39	29	16	23	26	26	30	39	36	44	36	13	788
	149	67	5	3	7	4	5	4	5	2	4	5	3	8	5	7	2	2	3	1	4	3	5	154
	150	136	16	17	22	35	43	62	62	40	45	43	46	57	52	62	66	76	74	57	45	39	30	1125
	152	260	14	15	29	24	47	28	28	23	29	33	19	25	20	27	29	28	27	24	36	22	25	812
	156	1529	212	206	196	182	214	205	183	207	189	205	225	184	176	238	232	205	229	188	190	162	98	5655
	157	65	8	4	5	13	6	8	7	8	6	4	5	6	3	4	5	7	8	3	3	2	8	188
	159	121	12	13	11	16	12	17	8	10	14	11	14	7	11	15	9	5	7	13	6	11	9	352
	160	552	71	57	102	104	137	129	150	128	111	105	129	138	126	148	148	174	144	131	122	111	88	3105
	162	172	24	17	22	24	20	26	22	20	27	26	21	24	28	29	20	21	27	14	17	10	10	621
	163	1	1	0	1	0	1	1	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	8
	164	343	41	53	51	34	43	43	27	22	32	34	25	34	23	28	16	11	31	41	30	14	17	993
	165	1419	146	135	158	134	117	111	91	115	99	117	103	107	67	125	115	103	143	107	94	127	82	3815
	166	613	94	83	116	76	93	88	100	116	89	107	91	89	76	111	90	118	153	102	106	92	73	2676
	168	34	7	5	4	8	10	10	16	14	11	5	2	6	8	7	5	12	9	11	10	7	9	210
	169	178	16	24	30	17	27	26	36	38	26	24	19	38	41	41	58	54	39	42	31	25	27	857
	171	82	7	5	6	4	0	10	7	9	10	13	4	3	2	5	5	6	3	5	1	2	3	192
	172	814	81	91	71	61	95	110	75	68	64	67	95	82	67	97	84	87	75	68	62	46	49	2409
	173	319	26	45	45	27	50	37	43	38	24	31	30	34	23	41	36	46	30	24	39	39	30	1057
	174	542	66	106	86	98	97	87	97	94	91	91	76	90	87	147	133	108	155	159	125	141	144	2820
	175	623	78	58	79	65	85	81	83	84	61	61	73	68	48	74	67	69	72	67	76	57	52	2081
	177	205	24	28	36	34	38	27	22	24	24	16	16	11	19	29	19	18	17	21	26	20	11	685
	178	59	8	5	9	8	6	3	8	4	6	4	4	11	5	9	6	8	4	6	7	0	4	184
	180	1005	111	141	146	134	156	112	141	127	114	146	141	150	118	142	166	146	138	167	148	124	145	3918
	181	454	55	55	59	51	73	74	54	58	69	52	44	47	51	66	79	79	53	63	63	46	48	1693
	182	767	128	166	133	116	128	137	155	150	99	134	101	112	111	154	166	152	100	124	113	142	105	3493
	184	173	32	28	28	23	37	48	39	37	37	39	53	55	28	35	41	40	46	30	25	22	19	915
	185	54	3	4	5	2	7	5	2	4	2	1	1	4	5	2	4	6	5	5	4	2	5	132
	186	37	3	7	4	5	3	2	6	9	4	3	11	7	6	5	8	4	5	6	3	6	0	144
	187	152	19	14	25	17	16	19	27	27	28	37	25	30	27	24	36	25	21	26	25	13	12	645
	188	625	77	80	86	73	114	91	78	71	79	97	98	104	85	111	108	110	91	114	75	67	65	2499
	190	161	20	29	29	37	43	42	42	41	40	36	48	58	49	50	55	43	50	52	45	24	26	1020
	191	81	4	8	9	7	5	8	5	9	5	12	8	6	10	9	9	14	21	18	10	6	9	273
	192	370	56	48	49	24	53	42	61	45	34	40	31	67	46	32	59	49	44	36	38	30	28	1282
	193	148	12	14	22	22	16	14	16	16	19	10	16	11	9	10	11	17	18	19	9	5	5	439
	194	132	19	16	13	18	11	13	21	16	18	14	21	23	16	12	17	10	15	9	11	8	4	437
	196	35	4	0	3	3	2	6	1	2	2	4	4	3	1	9	8	1	6	3	1	1	1	100
	198	913	123	128	116	128	130	137	129	135	111	117	84	76	76	89	82	101	103	104	80	72	55	3089
	200	932	100	82	106	94	137	117	118	104	93	95	92	95	93	119	103	80	64	81	72	76	61	2914
	201	114	5	9	9	2	11	3	2	10	3	6	7	3	3	5	4	4	3	3	3	4	1	214
	202	318	25	31	21	22	22	32	15	17	21	19	21	16	21	23	18	21	10	20	12	12	8	725
	203	215	33	35	43	28	31	48	22	35	39	25	52	19	30	40	28	18	12	24	11	8	10	806
	204	667	54	64	77	63	107	102	81	108	88	94	117	86	88	92	75	103	135	84	73	74	50	2482
	205	398	33	32	49	31	34	36	32	49	51	63	54	41	39	51	41	47	68	52	30	37	21	1289
	206	2051	276	309	335	411	536	504	512	461	494	457	448	431	441	626	590	582	493	416	394	333	295	11395
	208	217	18	9	9	8	26	22	16	19	12	15	15	26	12	18	30	15	19	11	14	9	4	544
	209	612	74	68	62	69	80	74	81	75	97	74	65	53	57	59	72	59	50	54	37	40	40	1952
	210	1954	238	226	263	286	356	324	363	403	373	325	335	368	344	367	399	370	420	336	306	275	253	8884
	211	1110	149	154	177	190	236	214	270	251	221	214	196	262	220	300	287	284	238	216	222	180	166	5757
	212	192	21	18	29	30	30	24	24	17	19	17	23	25	19	25	28	34	22	25	23	15	18	678

PATENTS GRANTED BY CLASS BY YEAR (ORs + XRs)

1977-

CLASS	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	TOTAL
213	29	3	4	3	2	3	1	3	3	0	2	0	2	0	2	1	3	4	2	1	5	2	75
215	530	104	74	103	132	134	117	119	97	92	87	103	90	96	101	112	121	96	88	73	64	55	2588
216	82	17	12	16	24	12	13	18	17	11	21	24	11	10	17	14	13	18	23	23	27	11	434
217	94	6	5	15	10	13	11	7	8	9	8	4	5	6	7	4	7	6	4	5	1	3	238
218	19	4	6	2	2	3	2	1	1	3	3	1	6	1	1	1	3	4	0	0	2	0	65
219	1215	185	146	173	158	204	201	177	156	167	154	169	153	148	206	200	257	191	172	164	182	134	4912
220	1622	243	243	255	293	384	401	403	384	413	368	346	389	328	417	437	429	390	349	319	274	222	8909
221	459	57	72	71	54	61	69	86	81	70	78	65	76	49	81	76	72	77	102	87	61	52	1956
222	1838	207	211	217	207	306	283	334	309	293	325	292	296	250	291	383	308	308	283	206	231	214	7592
223	231	36	48	48	35	41	50	56	45	30	29	32	47	64	51	60	75	64	36	24	39	24	1165
224	1121	133	122	140	215	263	289	286	248	266	267	290	308	303	335	347	314	297	248	240	214	138	6384
225	135	24	17	22	22	32	21	27	32	14	17	15	22	10	22	23	23	11	16	27	17	19	568
226	257	29	18	29	29	24	24	14	11	17	10	18	14	14	17	14	10	11	7	4	6	4	581
227	227	32	31	38	29	43	23	29	30	37	31	33	26	36	30	35	37	28	41	37	37	35	925
228	321	45	54	48	43	49	47	36	43	43	30	42	39	32	26	41	42	43	34	39	33	25	1155
229	469	64	78	84	99	131	117	140	104	105	98	95	78	85	115	106	107	104	83	73	37	57	2429
231	8	3	0	1	1	1	1	2	3	0	1	0	0	1	0	1	3	0	1	1	2	1	31
232	159	24	13	28	33	32	42	44	25	27	18	39	23	29	19	30	24	21	14	20	24	22	710
234	3	1	2	1	1	2	0	0	2	0	0	0	0	0	2	1	0	1	0	0	1	0	17
235	450	50	54	58	60	86	64	54	55	54	67	93	84	76	80	118	119	73	100	129	128	89	2141
236	399	61	42	44	36	49	32	23	33	27	38	29	20	18	25	25	39	24	32	25	22	20	1063
237	512	46	36	34	37	39	36	29	19	24	20	12	18	15	14	30	29	23	15	20	18	9	1035
238	116	8	4	14	8	16	18	14	17	13	9	15	20	10	22	12	12	15	13	14	10	7	387
239	1439	145	180	167	187	224	201	195	202	252	168	139	139	191	249	265	292	221	214	205	181	146	5687
241	562	63	73	76	76	95	89	89	90	128	107	99	96	83	95	116	87	59	74	85	61	52	2355
242	978	144	97	145	134	139	124	111	97	112	115	97	114	118	128	156	133	122	142	125	84	85	3500
244	624	62	83	110	95	114	79	114	127	103	87	67	81	59	107	110	120	119	129	122	113	90	2715
245	10	1	0	1	2	2	0	2	0	3	2	1	2	2	0	3	1	1	1	0	2	2	38
246	47	3	2	5	8	5	6	7	3	8	7	14	6	9	15	8	16	16	15	16	9	5	230
248	2678	369	408	481	450	597	632	713	660	569	577	548	604	551	749	673	741	651	659	606	508	397	14821
249	524	57	41	66	58	72	54	57	48	44	57	35	45	61	60	51	49	50	49	42	33	30	1583
250	973	113	117	160	114	206	169	182	167	147	125	175	150	154	177	170	142	142	138	172	154	109	4156
251	974	172	139	163	133	169	136	135	165	141	153	138	117	107	124	138	147	136	100	98	92	111	3788
252	481	50	61	69	57	60	56	56	60	46	49	64	80	68	66	74	72	74	73	62	57	33	1768
254	830	103	87	111	106	115	105	92	99	114	96	102	89	101	95	132	137	124	106	119	105	98	3066
256	286	39	26	42	30	49	33	54	52	34	52	52	54	61	55	64	57	52	51	72	63	53	1331
257	342	49	44	58	48	68	68	81	88	75	110	129	117	130	164	172	167	235	235	235	223	152	2990
258	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
260	42	3	2	0	4	3	2	3	1	1	1	0	0	1	0	2	0	1	0	0	0	0	66
261	925	72	80	79	61	77	76	81	84	59	58	62	58	57	59	52	60	65	52	43	47	37	2244
264	1590	178	176	194	204	234	252	221	225	260	250	209	226	202	269	234	225	206	196	193	159	100	6003
266	297	25	37	26	30	29	15	22	19	19	22	30	19	26	21	17	29	17	19	19	23	7	768
267	280	36	45	74	51	71	46	47	36	33	43	38	42	28	37	45	27	30	44	27	31	19	1130
269	686	102	98	134	108	148	146	95	121	94	95	73	109	77	106	113	109	92	86	95	77	50	2814
270	67	12	10	7	9	8	12	6	5	6	9	5	5	3	7	3	9	4	3	4	5	9	208
271	232	35	40	48	30	34	26	31	33	33	19	29	21	11	19	18	20	14	16	13	9	10	741
273	1839	243	188	209	210	301	300	341	307	295	359	325	302	303	371	322	287	297	303	290	207	162	7761
277	401	65	47	42	47	53	55	49	47	36	50	41	45	38	29	38	30	58	57	34	36	30	1328
278	1	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	5
279	267	44	56	51	27	39	44	53	34	28	34	31	30	24	34	44	23	39	17	25	10	29	983

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1977-

CLASS	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	TOTAL
280	2780	323	396	387	429	506	415	480	442	495	565	515	518	392	600	576	652	620	628	530	495	441	13185
281	175	40	50	49	39	61	62	61	52	57	47	58	49	59	73	79	65	43	46	31	26	24	1246
283	270	46	64	67	39	73	89	67	81	89	85	73	67	66	102	116	101	79	56	45	34	36	1745
285	891	109	126	152	111	160	113	139	126	116	134	109	95	96	121	156	110	105	97	103	84	67	3320
289	63	5	8	7	3	6	3	6	5	3	4	7	7	12	5	8	7	12	8	6	6	5	196
290	453	41	32	31	31	25	18	18	19	10	24	30	13	18	34	23	36	37	32	22	69	64	1080
291	11	1	2	0	2	2	1	0	2	0	0	0	3	0	0	1	2	1	2	1	1	4	36
292	707	64	101	137	98	123	101	137	122	84	88	90	115	110	99	114	107	75	111	102	75	68	2828
293	116	10	16	18	14	22	28	23	22	18	13	9	10	19	17	20	13	21	14	22	14	14	473
294	1260	167	157	200	211	231	201	191	178	186	178	206	195	185	237	212	209	134	188	136	89	101	5052
295	11	3	3	3	1	0	2	2	1	0	0	2	3	1	0	2	1	2	1	2	1	0	41
296	896	111	110	158	151	198	226	231	188	160	155	154	184	168	214	210	257	260	192	203	210	169	4805
297	974	148	183	200	188	268	233	235	224	182	281	224	280	247	296	316	355	267	260	261	252	208	6082
298	136	11	25	25	13	20	16	26	15	19	13	15	13	11	16	14	18	15	12	17	28	11	489
299	284	25	20	34	32	35	26	28	24	33	11	20	15	22	20	20	25	19	19	21	15	11	759
300	29	3	5	6	1	4	3	9	5	5	5	6	2	6	6	6	1	6	1	5	2	1	117
301	196	17	27	32	32	26	42	44	44	39	42	36	52	30	43	46	53	56	55	53	45	33	1043
303	88	6	11	13	9	11	16	9	14	21	16	21	13	17	13	16	13	16	21	15	8	7	374
305	68	5	10	7	9	10	6	6	3	9	11	13	4	8	10	10	14	10	11	10	4	4	242
307	525	42	43	80	69	95	60	63	63	61	59	73	105	103	121	126	93	60	62	77	65	37	2082
310	573	62	84	82	78	93	60	70	79	78	66	72	69	72	104	101	90	106	94	85	116	87	2321
312	878	89	96	114	114	122	121	103	138	125	117	125	145	126	174	170	172	118	138	126	105	79	3495
313	241	26	30	37	36	40	42	34	30	21	22	32	39	27	41	58	37	47	42	49	42	32	1005
314	9	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	13
315	428	49	45	73	57	89	91	104	64	66	50	85	73	49	79	71	91	94	73	97	65	72	1965
318	451	55	60	68	64	68	78	61	45	49	65	69	62	44	71	52	64	55	49	39	36	37	1642
320	109	10	20	26	12	19	14	13	29	41	28	19	36	42	42	46	47	54	46	44	38	27	762
322	98	10	6	14	9	8	6	11	10	10	4	3	13	11	8	5	7	8	4	8	9	16	278
323	147	22	19	33	15	34	21	27	23	20	18	11	25	19	27	21	30	30	39	21	17	20	639
324	793	104	83	114	115	171	134	128	130	113	108	146	148	104	148	119	132	154	166	139	127	112	3488
326	25	2	5	6	6	7	8	6	11	9	18	8	11	12	15	11	9	12	17	12	13	11	234
327	322	22	17	32	23	37	34	26	37	26	35	29	37	18	42	39	38	36	34	30	29	24	967
329	27	5	7	3	3	3	0	6	4	3	3	8	4	2	2	3	3	2	2	0	2	0	92
330	141	20	16	25	23	31	12	17	16	8	9	9	19	16	22	21	19	25	16	23	22	7	517
331	139	7	13	23	4	14	13	15	6	8	7	6	13	9	17	17	9	14	8	10	7	8	367
332	35	3	9	2	3	3	3	6	2	2	3	7	6	2	2	5	5	4	7	1	2	3	115
333	157	23	26	24	26	32	24	24	25	25	24	26	25	19	30	25	27	21	24	30	20	29	686
334	19	1	2	1	0	0	1	0	0	0	0	2	0	0	0	0	1	0	0	1	0	0	28
335	246	28	19	32	33	26	19	23	20	25	27	21	29	26	23	31	24	24	19	28	23	33	779
336	121	18	11	17	10	17	15	10	11	10	15	15	19	13	17	17	12	10	12	18	28	21	437
337	165	22	9	17	15	16	13	15	15	10	7	10	11	18	21	27	22	20	18	23	16	9	499
338	208	25	23	23	26	28	31	25	22	17	12	6	14	13	14	13	20	8	10	9	7	4	558
340	1929	201	201	305	296	463	350	359	318	275	299	357	429	457	544	532	569	517	464	359	431	425	10080
341	165	24	25	38	30	52	33	23	30	37	23	37	40	56	54	50	53	51	57	51	36	39	1004
342	230	21	23	44	21	30	37	28	35	44	47	38	61	46	73	66	68	87	72	62	55	66	1254
343	253	18	35	37	33	44	35	45	13	31	26	38	38	30	47	54	55	61	58	35	38	51	1075
345	199	21	28	40	58	73	57	49	55	39	74	76	91	113	132	152	183	182	165	158	136	143	2224
346	146	20	14	14	18	19	13	14	8	5	4	5	7	2	3	6	2	4	3	1	1	1	310
347	86	11	9	15	18	20	17	14	14	10	17	19	19	21	33	21	28	25	35	33	27	26	518
348	369	54	65	72	55	93	115	99	93	76	86	104	123	114	129	133	126	114	105	115	124	93	2457

PATENTS GRANTED BY CLASS BY YEAR (ORs + XRs)

	1977-																						TOTAL	
	CLASS	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004		2005
	349	55	9	7	12	12	13	14	10	17	8	7	26	23	17	16	15	16	25	17	23	19	28	389
	351	320	46	42	71	72	122	100	90	88	73	78	98	85	93	101	132	130	111	107	110	110	97	2276
	352	206	23	28	26	11	16	26	32	18	19	11	13	16	15	17	22	11	11	10	12	16	4	563
	353	218	20	19	14	14	14	19	15	16	21	17	25	15	15	17	25	18	15	19	13	33	20	602
	355	305	50	36	33	30	34	19	29	25	17	23	15	10	16	15	18	7	19	10	14	9	12	746
	356	618	83	62	87	78	109	98	112	104	108	84	110	112	110	128	131	124	67	91	98	101	93	2708
	358	79	15	28	15	21	26	24	31	32	22	34	43	41	30	36	56	33	19	30	30	34	20	699
	359	1055	122	151	158	158	190	226	170	186	160	160	152	146	120	186	202	189	217	224	184	171	169	4696
	360	307	44	52	64	40	59	47	45	42	48	43	39	47	31	45	26	30	34	31	34	21	12	1141
	361	709	92	87	129	106	153	105	118	131	112	103	139	146	148	205	174	193	197	193	190	213	158	3801
	362	954	146	160	163	211	254	265	297	274	214	271	300	324	314	404	383	482	482	428	479	414	372	7591
	363	156	23	20	36	30	43	28	29	26	36	24	22	30	32	35	32	38	39	41	29	22	21	792
	365	90	8	8	8	8	19	11	23	19	31	33	28	34	37	40	34	38	30	25	33	22	33	612
	366	688	79	80	71	96	91	93	81	67	71	79	94	98	77	103	98	85	93	67	54	53	49	2367
	367	256	34	29	50	31	45	65	40	59	63	30	38	38	38	38	38	35	32	29	23	26	26	1063
	368	333	40	40	44	54	48	56	56	56	58	65	37	38	53	62	55	52	66	67	47	59	40	1426
	369	237	32	19	25	38	28	19	27	23	25	24	42	28	32	42	27	34	29	30	35	21	18	835
	370	105	14	18	18	13	30	21	19	23	20	12	43	57	42	62	54	56	53	44	46	59	61	870
	372	115	18	15	14	31	34	46	31	16	24	28	32	28	31	27	23	21	22	22	36	44	31	689
	373	108	4	6	7	9	6	9	6	9	5	9	9	7	2	4	9	19	8	11	4	8	2	261
	374	285	51	30	33	40	47	40	32	34	28	29	17	27	31	48	23	34	29	25	23	23	25	954
	375	121	14	23	19	15	36	22	35	30	19	26	37	51	48	47	59	47	32	44	42	54	50	871
	376	244	20	20	22	18	16	22	16	22	22	16	17	21	16	17	10	8	9	5	9	8	6	564
	377	245	23	10	17	16	31	13	13	15	14	12	12	12	6	4	6	11	8	8	3	8	5	492
	378	239	26	45	32	36	40	43	55	51	44	35	33	48	26	47	31	41	34	37	33	24	36	1036
	379	428	47	75	82	102	128	98	103	94	54	82	108	123	111	148	126	121	110	92	109	116	106	2563
	380	55	8	11	15	17	15	32	41	23	29	34	22	27	44	43	26	39	30	25	16	20	27	599
	381	463	50	56	69	49	102	85	59	69	69	65	56	72	81	151	79	87	56	91	93	91	74	2067
	382	71	15	18	22	19	26	25	39	30	39	25	43	55	61	73	95	88	70	71	87	91	84	1147
	383	358	56	62	73	92	109	107	121	84	92	93	104	83	75	101	122	122	106	68	57	46	42	2173
	384	332	59	56	54	49	53	57	48	51	46	65	56	44	33	47	36	32	55	47	35	19	21	1295
	385	114	23	22	49	59	49	57	63	34	39	57	42	55	46	87	80	75	72	98	91	87	95	1394
	386	74	14	13	16	12	21	18	19	13	14	10	9	10	16	10	14	16	17	15	10	15	7	363
	388	39	4	5	3	3	2	5	10	2	4	9	4	8	3	4	8	5	2	1	1	2	2	126
	392	366	47	52	46	47	50	42	29	43	44	48	50	34	33	59	63	54	48	42	36	35	40	1308
	396	521	67	39	60	63	52	64	70	40	35	52	29	47	38	81	62	43	33	36	48	51	28	1559
	398	49	12	7	14	9	12	10	7	8	9	14	10	19	15	19	24	19	19	30	18	20	25	369
	399	68	5	5	8	3	9	13	10	16	16	16	21	7	13	19	13	11	24	13	14	8	11	323
	400	240	53	31	43	35	43	39	40	37	47	35	59	43	37	42	39	34	23	29	37	34	35	1055
	401	458	67	70	68	80	99	115	134	102	83	114	84	92	56	94	156	137	153	114	101	110	89	2576
	402	95	21	30	24	16	32	26	37	27	26	28	20	31	33	43	32	39	23	26	18	18	13	658
	403	1411	206	233	266	217	259	239	204	212	203	210	210	214	201	214	209	211	197	192	195	152	133	5788
	404	474	46	73	92	78	97	117	108	93	105	90	106	88	95	88	101	98	87	97	85	121	70	2409
	405	1081	98	119	180	142	205	186	223	208	210	150	160	222	156	191	215	153	165	198	183	183	155	4783
	406	188	24	13	22	15	27	20	27	21	17	6	15	18	12	10	14	13	20	14	19	11	7	533
	407	141	12	28	20	15	12	18	29	22	17	11	10	6	22	19	20	23	19	8	15	5	10	482
	408	527	71	97	79	59	74	87	107	74	53	71	67	58	67	91	87	54	80	51	58	43	36	1991
	409	268	42	67	54	49	46	58	52	44	40	27	34	33	55	57	47	63	42	51	37	29	28	1223
	410	215	24	21	27	35	46	43	45	35	38	31	51	46	34	47	49	59	60	53	61	58	42	1120
	411	526	65	76	100	93	98	130	79	106	112	82	96	120	103	118	121	107	95	78	74	73	50	2502

PATENTS GRANTED BY CLASS BY YEAR (ORs + XRs)

	1977-																							TOTAL
	CLASS	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
	412	43	8	4	6	4	4	10	7	7	11	4	9	6	10	8	6	11	12	9	3	3	7	192
	413	25	2	4	2	1	1	1	3	3	1	5	0	5	1	3	4	7	2	0	2	2	0	74
	414	1778	213	213	222	238	224	224	261	260	219	229	225	217	195	208	223	256	164	194	178	168	109	6218
	415	524	63	30	45	63	40	30	42	46	50	49	51	51	29	32	30	50	59	64	66	61	52	1527
	416	597	74	62	77	58	68	54	39	58	69	64	68	57	41	48	62	85	70	75	66	65	69	1926
	417	1080	160	147	138	150	151	106	140	121	134	122	118	118	107	119	125	155	153	127	102	51	3779	
	418	345	39	23	46	31	30	44	32	45	36	37	40	31	32	35	25	47	46	37	37	29	1104	
	419	64	7	11	12	7	9	13	14	8	3	13	7	12	10	7	11	12	6	9	14	10	3	262
	420	150	8	3	12	7	20	14	20	13	8	18	16	8	11	11	13	9	11	25	21	17	8	423
	422	1014	96	123	122	132	147	146	169	188	180	181	211	178	179	213	213	197	222	191	198	140	117	4557
	423	643	70	48	64	66	67	63	56	65	61	76	61	69	44	66	66	56	73	67	63	43	31	1918
	424	737	99	109	126	136	209	184	194	196	195	176	213	251	334	394	455	389	489	476	448	279	207	6296
	425	1251	154	137	168	201	202	177	158	148	152	150	151	142	132	157	133	129	117	115	93	96	59	4222
	426	943	129	105	133	140	204	181	181	143	144	120	149	163	178	184	239	240	228	179	152	146	80	4361
	427	1024	144	110	146	118	144	127	136	129	111	130	134	123	132	166	161	165	153	134	143	124	63	3817
	428	2399	351	334	330	348	418	403	353	335	338	342	353	351	344	398	409	383	380	304	352	274	192	9691
	429	238	27	25	24	27	32	24	28	35	34	31	42	94	43	45	43	48	40	40	51	26	30	1027
	430	273	33	26	29	38	20	37	37	20	18	24	32	33	22	42	39	45	36	48	40	37	33	962
	431	470	61	61	62	51	64	59	51	58	49	64	59	62	44	75	83	88	92	57	83	65	57	1815
	432	398	35	47	41	39	34	31	29	30	23	27	18	15	21	24	27	32	27	24	25	16	6	969
	433	885	139	131	132	151	160	152	213	196	170	183	131	171	150	245	231	179	221	163	151	106	107	4367
	434	971	123	109	157	136	189	142	162	170	200	161	163	189	180	228	223	228	164	178	181	148	136	4538
	435	615	55	66	99	92	118	116	114	133	153	155	171	191	248	368	387	320	390	299	320	247	188	4845
	436	366	35	49	56	69	81	53	78	72	89	93	87	114	116	143	121	105	113	79	113	83	47	2162
	438	121	21	16	26	18	16	19	26	31	25	34	49	31	25	53	61	78	103	90	116	118	82	1159
	439	687	102	112	148	162	180	188	164	187	161	183	177	188	189	246	194	274	249	234	198	245	208	4676
	440	292	46	49	73	53	68	71	84	64	69	63	62	66	71	76	70	80	63	57	62	61	60	1660
	441	281	59	71	73	72	83	92	86	79	70	96	84	76	83	91	74	86	85	79	78	66	71	1935
	442	172	33	20	26	25	35	29	19	22	24	32	42	28	27	49	57	46	40	19	20	27	18	810
	445	33	1	5	3	4	3	4	2	4	2	3	5	3	6	5	11	7	5	5	6	4	4	125
	446	1160	135	141	185	158	221	243	244	245	220	243	206	225	178	260	242	291	257	266	250	225	157	5752
	449	65	11	4	5	7	1	1	7	3	0	3	4	1	5	2	1	2	1	4	5	6	1	139
	450	91	7	10	12	8	20	14	14	16	18	7	17	18	21	28	54	68	45	39	16	21	19	563
	451	715	100	105	131	117	122	124	126	107	142	94	103	109	113	107	124	127	154	123	111	120	100	3174
	452	273	46	58	47	35	28	47	32	47	41	42	34	36	22	23	24	35	42	13	23	22	20	990
	453	48	9	7	2	5	8	5	11	6	4	5	7	5	4	2	2	5	1	4	4	8	0	152
	454	509	89	60	75	72	84	98	70	95	62	71	52	75	59	87	70	77	98	93	79	74	68	2117
	455	363	23	29	49	58	70	47	64	71	55	47	74	100	77	105	117	120	96	119	111	141	120	2056
	460	50	10	6	3	5	5	12	12	11	6	6	10	17	2	11	12	13	11	10	4	5	5	226
	462	42	9	8	13	7	10	8	2	11	19	12	12	6	5	6	10	9	9	9	0	6	3	216
	463	149	25	16	33	24	38	26	37	39	37	50	31	45	50	94	86	106	105	100	99	85	89	1364
	464	211	17	18	26	22	33	23	22	22	16	24	19	17	26	20	23	23	35	15	22	13	11	658
	470	90	9	8	12	9	16	18	7	8	11	13	8	7	6	8	7	5	5	5	1	4	4	262
	472	227	26	35	24	30	41	66	41	40	48	49	46	47	48	75	59	48	42	44	42	38	39	1155
	473	1567	204	166	210	211	326	368	386	382	368	450	483	450	431	541	447	376	370	363	362	336	299	9096
	474	228	42	35	48	33	55	38	47	24	36	45	44	36	35	25	27	38	15	29	20	12	15	927
	475	168	23	22	34	46	50	37	44	44	30	26	28	39	26	30	40	47	25	31	28	23	31	872
	476	36	3	7	5	5	6	1	6	3	4	5	6	10	5	3	6	7	2	3	2	3	5	133
	477	89	10	7	6	7	10	12	9	4	4	5	11	14	9	10	12	7	3	7	8	5	9	258
	482	897	153	207	206	224	260	276	286	283	283	305	265	316	331	396	364	354	307	292	308	299	217	6829

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CLASS	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	TOTAL
483	15	4	2	5	4	2	2	5	3	1	5	2	1	3	5	9	9	1	8	2	1	2	91
492	80	8	11	8	7	13	17	6	6	13	5	16	15	11	15	12	18	9	9	6	12	11	308
493	289	43	46	49	29	39	43	55	61	45	44	33	33	30	53	43	37	27	28	33	28	32	1120
494	91	7	6	8	8	11	10	17	11	12	17	8	9	10	15	16	10	11	12	6	3	3	301
501	133	17	15	15	14	18	26	24	24	26	28	25	27	22	22	23	17	31	20	22	13	13	575
502	180	21	21	26	14	20	19	28	26	28	21	20	17	21	27	32	32	30	21	16	11	14	645
503	19	1	2	0	2	4	4	4	5	2	4	1	4	3	7	4	1	3	3	2	4	1	80
504	59	9	5	6	3	8	12	9	21	11	6	5	9	14	15	38	16	23	20	15	9	8	321
505	84	1	1	2	2	5	9	7	15	14	9	13	10	12	8	14	17	9	6	11	6	6	261
507	36	13	4	6	6	9	8	4	8	9	1	3	3	5	13	5	9	6	8	6	14	11	187
508	45	6	2	11	5	8	6	11	9	9	8	11	10	10	16	16	12	12	7	10	6	3	233
510	141	21	21	25	22	21	24	24	16	21	19	31	34	32	49	66	43	43	46	37	39	23	798
512	7	2	1	1	3	1	3	3	2	1	3	4	3	2	4	3	7	5	1	3	2	0	61
514	847	117	133	148	155	248	228	260	224	213	186	235	319	354	409	450	366	445	405	348	239	201	6530
516	67	9	8	8	3	7	13	12	8	10	10	11	11	11	13	10	11	11	10	11	11	3	268
518	12	3	3	3	0	2	0	0	2	1	2	2	3	0	2	1	2	5	1	1	2	1	48
520	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
521	257	26	20	16	28	22	16	18	29	29	22	22	16	21	32	28	17	23	18	23	7	15	705
522	45	8	2	8	7	3	6	2	5	5	3	12	10	5	6	9	7	8	6	12	8	3	180
523	223	20	21	17	24	26	31	27	25	38	25	39	26	32	45	38	17	38	33	34	14	21	814
524	463	39	36	44	38	52	49	56	56	43	52	54	57	55	81	56	54	60	59	60	34	39	1537
525	324	30	19	23	20	31	42	40	44	42	30	35	29	29	45	35	33	29	35	34	20	16	985
526	148	12	6	14	19	10	13	20	18	25	19	9	12	12	17	22	14	20	11	32	13	15	481
527	43	0	1	4	3	6	3	2	7	5	5	5	2	2	3	0	3	2	2	1	2	0	101
528	310	23	23	18	19	23	28	24	32	43	28	35	22	24	29	33	19	29	32	14	19	14	841
530	281	26	27	28	26	45	33	51	53	59	53	61	65	109	161	138	94	133	98	115	99	72	1827
534	29	3	4	5	3	7	7	5	4	4	3	3	2	5	8	2	4	2	2	2	0	0	104
536	161	15	16	22	23	28	31	35	43	29	29	48	81	88	145	173	121	136	105	115	82	71	1597
540	68	6	5	12	7	10	8	11	5	7	4	8	6	20	10	11	6	8	12	7	7	4	242
544	115	21	18	13	10	18	22	15	18	14	14	18	23	20	19	24	26	20	21	20	21	14	504
546	109	17	16	15	12	23	20	11	20	19	16	20	30	25	23	20	32	26	20	33	23	14	544
548	111	16	17	13	17	23	15	20	26	15	21	16	30	20	17	20	16	16	25	24	20	12	510
549	102	6	13	10	5	15	16	15	10	20	12	11	15	18	27	25	23	25	20	18	12	10	428
552	49	1	4	2	2	3	6	9	3	2	1	5	2	3	2	7	2	4	3	5	3	1	119
554	68	9	7	3	3	7	7	8	5	4	11	9	10	11	8	8	11	11	17	13	13	5	248
556	91	11	7	7	7	5	8	12	10	7	7	11	12	14	7	14	5	14	8	9	6	4	276
558	77	7	5	6	7	12	9	4	10	12	4	12	11	6	10	15	6	6	9	3	4	3	238
560	102	17	8	21	12	23	16	13	16	21	15	13	21	13	13	16	10	15	21	19	8	3	416
562	108	11	11	13	15	26	13	14	14	21	13	17	13	17	15	17	10	22	16	15	8	9	418
564	94	14	8	6	6	15	13	12	12	9	8	19	19	17	11	10	11	19	19	14	6	6	348
568	122	17	17	22	10	23	20	23	31	23	17	31	15	18	34	35	18	13	14	15	17	8	543
570	22	2	1	2	0	5	3	5	15	3	0	3	3	5	2	4	3	7	2	0	1	2	90
585	95	13	11	12	5	23	20	16	25	17	9	31	16	15	26	27	24	19	9	19	10	8	450
588	63	15	13	13	11	15	11	7	12	21	33	37	37	43	31	39	28	18	27	10	11	7	502
600	1153	169	207	256	191	282	284	320	282	340	373	375	314	256	501	411	433	372	423	354	267	210	7773
601	418	51	64	74	82	85	76	97	111	66	75	111	110	90	125	100	100	108	84	93	82	61	2263
602	374	69	76	82	79	88	93	108	96	99	103	118	90	115	174	156	159	113	122	131	107	92	2644
604	1357	220	269	349	303	440	397	442	439	514	562	480	442	426	522	414	405	342	336	412	273	189	9533
606	795	153	207	213	209	249	239	292	344	386	440	427	462	547	606	580	520	437	385	444	292	229	8456
607	343	68	80	66	60	81	89	94	82	80	86	107	97	80	124	137	155	138	115	135	101	81	2399

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1977-

CLASS	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	TOTAL
623	427	61	107	115	99	124	119	111	151	114	117	104	158	129	168	150	173	187	200	178	158	120	3270
700	168	35	33	47	42	54	50	50	53	44	67	59	83	63	110	101	74	84	94	129	120	102	1662
701	98	15	8	14	12	35	19	26	24	22	35	39	44	37	76	73	70	110	111	96	82	106	1152
702	218	39	32	31	43	63	39	42	45	44	47	38	64	65	78	77	62	75	103	121	124	100	1550
703	5	2	2	2	5	8	3	5	7	9	8	7	11	23	18	26	17	20	26	26	20	31	281
704	50	5	10	13	6	14	17	20	19	21	19	27	21	29	48	47	29	44	40	32	35	21	567
705	68	13	12	18	17	25	29	30	35	47	50	24	49	77	110	192	154	125	136	143	142	194	1690
706	3	1	1	4	4	6	12	15	11	16	13	23	29	22	53	31	31	32	38	44	29	22	440
707	13	2	2	2	1	4	5	4	3	13	16	23	19	33	73	86	61	72	84	106	116	87	825
708	168	20	13	20	15	40	23	22	25	31	28	20	32	33	34	42	29	20	32	21	19	16	703
709	7	1	1	2	2	0	4	2	3	7	6	7	23	26	60	59	77	80	89	92	106	91	745
710	27	3	2	7	7	4	7	8	5	11	9	19	20	29	40	26	33	29	20	31	25	21	383
711	29	2	4	4	7	6	5	7	6	10	10	19	19	32	31	24	19	19	14	24	23	20	334
712	18	2	4	4	2	11	9	1	6	7	5	9	15	15	28	11	9	14	11	8	4	9	202
713	18	6	7	5	8	17	18	24	16	23	25	21	39	42	53	37	46	41	36	34	37	45	598
714	51	6	10	19	10	19	7	18	17	7	21	23	32	30	40	27	29	31	26	33	33	29	518
715	17	11	3	5	7	17	12	9	19	20	34	25	28	50	86	82	62	80	58	73	74	62	834
716	5	0	1	2	3	3	1	0	3	0	4	5	3	9	10	4	4	17	29	29	25	18	175
717	3	3	1	0	1	1	1	1	2	0	3	7	8	8	13	19	14	15	16	12	12	17	157
718	2	0	0	0	0	0	1	2	1	1	3	5	3	3	9	9	7	3	10	7	9	9	84
719	0	0	0	0	1	0	0	0	0	1	0	5	3	4	8	3	7	7	14	13	9	8	83
720	6	1	1	3	3	2	3	4	1	3	3	6	4	1	7	6	7	3	7	8	7	8	94
725	43	9	12	8	9	8	16	19	12	14	12	16	32	19	32	39	31	26	17	20	20	13	427
726	3	3	2	3	2	2	4	1	4	0	5	2	4	11	20	21	29	25	22	21	25	15	224
800	2	1	3	2	2	1	1	2	1	2	3	5	4	8	30	25	22	19	20	18	20	17	208
901	83	14	26	37	26	26	17	35	26	22	18	19	19	16	20	19	16	16	20	16	12	10	513
902	51	3	23	30	8	8	5	6	4	5	6	6	2	12	9	4	11	2	4	5	3	3	210
903	22	2	6	2	2	0	2	1	4	4	8	3	7	7	8	6	6	3	9	8	7	7	124
930	73	7	9	19	19	11	0	0	3	3	3	0	0	2	4	4	4	6	2	1	2	1	173
968	416	42	32	49	53	54	46	1	0	0	0	0	1	0	2	0	1	1	0	0	1	0	699
976	268	23	29	24	31	33	16	7	5	2	1	4	4	3	3	0	2	0	1	0	0	0	456
977	3	1	1	1	0	1	0	0	2	1	6	3	4	10	4	20	14	16	15	32	16	3	153
984	797	96	80	134	106	120	76	0	0	0	0	0	0	0	0	0	1	2	1	3	0	0	1416
987	67	6	8	8	13	9	7	3	0	0	0	0	0	0	0	0	0	1	1	0	0	0	123
D00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
D01	49	5	4	10	7	6	20	22	9	13	17	10	19	24	27	27	30	32	21	6	27	13	398
D02	513	103	79	106	100	110	122	156	101	172	179	188	205	195	300	253	210	154	209	179	160	128	3922
D03	930	123	95	103	119	105	218	235	227	290	271	269	263	249	331	338	313	270	249	247	206	181	5632
D04	124	30	38	39	46	33	39	49	51	69	58	73	88	71	93	74	95	85	112	59	43	35	1404
D05	62	8	2	2	6	8	7	6	5	4	5	6	6	11	15	10	17	19	7	17	9	8	240
D06	2775	371	396	413	355	351	447	537	539	713	578	719	652	583	735	676	742	651	694	580	463	353	14323
D07	1392	155	225	231	196	241	232	231	237	370	324	312	396	262	341	285	364	333	258	310	290	204	7189
D08	1615	223	251	225	265	268	340	411	393	459	446	491	448	383	550	469	539	404	341	458	397	289	9665
D09	612	81	95	101	95	78	147	201	150	176	190	195	218	206	210	179	206	214	159	196	138	124	3971
D10	878	127	103	133	129	118	157	234	192	269	278	282	201	200	291	262	230	204	199	158	166	141	4952
D11	1177	144	110	106	92	123	123	177	157	211	219	234	199	207	239	219	252	254	250	197	186	175	5051
D12	971	101	154	253	267	246	343	331	361	390	344	351	361	289	374	285	356	282	241	269	306	254	7129
D13	208	34	34	32	35	26	50	77	66	74	86	85	77	74	85	118	110	99	106	105	64	40	1685
D14	465	63	67	78	78	88	110	129	117	166	138	180	178	185	212	182	235	181	183	193	171	104	3503
D15	635	82	65	54	57	62	84	57	124	140	91	152	141	89	106	82	77	64	58	81	82	58	2441

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CLASS	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	TOTAL
D16	197	26	36	32	29	21	63	42	57	49	55	49	80	63	82	74	102	51	60	88	50	46	1352
D17	180	39	27	27	26	20	37	34	32	37	41	35	36	26	40	46	26	42	23	40	21	19	854
D18	195	26	33	38	18	23	28	43	27	51	28	28	31	18	29	25	34	20	29	25	16	12	777
D19	646	71	94	69	62	76	82	143	142	153	155	182	129	155	209	162	157	156	121	135	132	109	3340
D20	193	37	28	26	30	22	56	62	55	82	81	90	73	95	114	90	82	59	28	78	62	43	1486
D21	1909	236	231	285	261	330	366	517	475	482	564	550	496	461	677	512	543	486	388	342	319	305	10735
D22	551	57	68	84	84	118	114	90	97	108	116	128	139	95	97	116	102	97	108	98	80	74	2621
D23	976	78	103	109	89	91	123	227	179	169	222	230	173	186	240	232	285	210	206	210	200	205	4743
D24	870	123	160	149	152	169	185	195	229	243	235	233	230	200	246	220	226	252	199	187	128	95	4926
D25	943	63	106	76	80	81	67	83	111	111	153	141	123	127	144	142	145	125	156	147	129	113	3366
D26	414	55	54	65	67	78	73	121	125	111	154	159	200	179	234	183	275	328	272	257	221	147	3772
D27	193	9	15	13	10	11	14	19	6	9	18	21	20	26	49	55	38	40	42	37	38	35	718
D28	338	60	78	45	58	84	147	83	57	86	130	104	112	127	114	104	176	154	103	115	112	64	2451
D29	153	35	32	28	54	38	52	34	42	58	65	80	73	60	52	53	67	36	57	41	44	26	1180
D30	395	49	40	71	80	57	66	120	118	154	140	145	135	117	88	79	130	72	72	81	74	72	2355
D32	243	36	39	65	50	45	79	76	65	81	103	122	99	105	121	92	90	69	66	83	54	42	1825
D34	283	41	82	111	151	137	121	204	228	206	146	169	97	81	117	86	96	76	74	87	65	41	2699
D99	151	24	19	27	7	25	23	23	29	40	31	53	34	43	48	38	45	59	33	67	48	31	898
PLT	480	77	73	66	132	188	98	119	75	101	97	78	83	91	124	101	92	125	261	232	156	105	2954
TOTAL	206342	27126		29148		34775		34800		35566		37042		43946		42971		38100		32715		946187	
	26293		31097		36080		36662		34700		35928		34958		43293		40597		36894		27154		

U.S. PATENT CLASSES AS OF 31-DEC-2005
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UTILITY CLASSES

CLASS	TITLE
001	** Classification Undetermined **
002	Apparel
004	Baths, Closets, Sinks, and Spittoons
005	Beds
007	Compound Tools
008	Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers
012	Boot and Shoe Making
014	Bridges
015	Brushing, Scrubbing, and General Cleaning
016	Miscellaneous Hardware
019	Textiles: Fiber Preparation
023	Chemistry: Physical Processes
024	Buckles, Buttons, Clasps, Etc.
026	Textiles: Cloth Finishing
027	Undertaking
028	Textiles: Manufacturing
029	Metal Working
030	Cutlery
033	Geometrical Instruments
034	Drying and Gas or Vapor Contact with Solids
036	Boots, Shoes, and Leggings
037	Excavating
038	Textiles: Ironing or Smoothing
040	Card, Picture, or Sign Exhibiting
042	Firearms
043	Fishing, Trapping, and Vermin Destroying
044	Fuel and Related Compositions
047	Plant Husbandry
048	Gas: Heating and Illuminating
049	Movable or Removable Closures
051	Abrasive Tool Making Process, Material, or Composition
052	Static Structures (e.g., Buildings)
053	Package Making
054	Harness
055	Gas Separation
056	Harvesters
057	Textiles: Spinning, Twisting, and Twining
059	Chain, Staple, and Horseshoe Making
060	Power Plants
062	Refrigeration
063	Jewelry
065	Glass Manufacturing
066	Textiles: Knitting
068	Textiles: Fluid Treating Apparatus
069	Leather Manufactures
070	Locks
071	Chemistry: Fertilizers
072	Metal Deforming
073	Measuring and Testing
074	Machine Element or Mechanism
075	Specialized Metallurgical Processes, Compositions for Use Therein, Consolidated Metal Powder Compositions, and Loose Metal Particulate Mixtures
076	Metal Tools and Implements, Making
079	Button Making
081	Tools
082	Turning
083	Cutting
084	Music
086	Ammunition and Explosive-Charge Making
087	Textiles: Braiding, Netting, and Lace Making

U.S. PATENT CLASSES AS OF 31-DEC-2005
TITLES ARRANGED IN CLASS NUMBER ORDER

UTILITY CLASSES

CLASS	TITLE
089	Ordnance
091	Motors: Expansible Chamber Type
092	Expansible Chamber Devices
095	Gas Separation: Processes
096	Gas Separation: Apparatus
099	Foods and Beverages: Apparatus
100	Presses
101	Printing
102	Ammunition and Explosives
104	Railways
105	Railway Rolling Stock
106	Compositions: Coating or Plastic
108	Horizontally Supported Planar Surfaces
109	Safes, Bank Protection, or a Related Device
110	Furnaces
111	Planting
112	Sewing
114	Ships
116	Signals and Indicators
117	Single-Crystal, Oriented-Crystal, and Epitaxy Growth Processes; Non-Coating Apparatus Therefor
118	Coating Apparatus
119	Animal Husbandry
122	Liquid Heaters and Vaporizers
123	Internal-Combustion Engines
124	Mechanical Guns and Projectors
125	Stone Working
126	Stoves and Furnaces
127	Sugar, Starch, and Carbohydrates
128	Surgery
131	Tobacco
132	Toilet
134	Cleaning and Liquid Contact with Solids
135	Tent, Canopy, Umbrella, or Cane
136	Batteries: Thermoelectric and Photoelectric
137	Fluid Handling
138	Pipes and Tubular Conduits
139	Textiles: Weaving
140	Wireworking
141	Fluent Material Handling, with Receiver or Receiver Coacting Means
142	Wood Turning
144	Woodworking
147	Coopering
148	Metal Treatment
149	Explosive and Thermic Compositions or Charges
150	Purses, Wallets, and Protective Covers
152	Resilient Tires and Wheels
156	Adhesive Bonding and Miscellaneous Chemical Manufacture
157	Wheelwright Machines
159	Concentrating Evaporators
160	Flexible or Portable Closure, Partition, or Panel
162	Paper Making and Fiber Liberation
163	Needle and Pin Making
164	Metal Founding
165	Heat Exchange
166	Wells
168	Farriery
169	Fire Extinguishers

U.S. PATENT CLASSES AS OF 31-DEC-2005
TITLES ARRANGED IN CLASS NUMBER ORDER

UTILITY CLASSES

CLASS	TITLE
171	Unearthing Plants or Buried Objects
172	Earth Working
173	Tool Driving or Impacting
174	Electricity: Conductors and Insulators
175	Boring or Penetrating the Earth
177	Weighing Scales
178	Telegraphy
180	Motor Vehicles
181	Acoustics
182	Fire Escape, Ladder, or Scaffold
184	Lubrication
185	Motors: Spring, Weight, or Animal Powered
186	Merchandising
187	Elevator, Industrial Lift Truck, or Stationary Lift for Vehicle
188	Brakes
190	Trunks and Hand-Carried Luggage
191	Electricity: Transmission To Vehicles
192	Clutches and Power-Stop Control
193	Conveyors, Chutes, Skids, Guides, and Ways
194	Check-Actuated Control Mechanisms
196	Mineral Oils: Apparatus
198	Conveyors: Power-Driven
199	Type Casting
200	Electricity: Circuit Makers and Breakers
201	Distillation: Processes, Thermolytic
202	Distillation: Apparatus
203	Distillation: Processes, Separatory
204	Chemistry: Electrical and Wave Energy
205	Electrolysis: Processes, Compositions Used Therein, and Methods of Preparing the Compositions
206	Special Receptacle or Package
208	Mineral Oils: Processes and Products
209	Classifying, Separating, and Assorting Solids
210	Liquid Purification or Separation
211	Supports: Racks
212	Traversing Hoists
213	Railway Draft Appliances
215	Bottles and Jars
216	Etching a Substrate: Processes
217	Wooden Receptacles
218	High-Voltage Switches with Arc Preventing or Extinguishing Devices
219	Electric Heating
220	Receptacles
221	Article Dispensing
222	Dispensing
223	Apparel Apparatus
224	Package and Article Carriers
225	Severing by Tearing or Breaking
226	Advancing Material of Indeterminate Length
227	Elongated-Member-Driving Apparatus
228	Metal Fusion Bonding
229	Envelopes, Wrappers, and Paperboard Boxes
231	Whips and Whip Apparatus
232	Deposit and Collection Receptacles
234	Selective Cutting (e.g., Punching)
235	Registers
236	Automatic Temperature and Humidity Regulation

U.S. PATENT CLASSES AS OF 31-DEC-2005
TITLES ARRANGED IN CLASS NUMBER ORDER

UTILITY CLASSES

CLASS	TITLE
237	Heating Systems
238	Railways: Surface Track
239	Fluid Sprinkling, Spraying, and Diffusing
241	Solid Material Comminution or Disintegration
242	Winding, Tensioning, or Guiding
244	Aeronautics
245	Wire Fabrics and Structure
246	Railway Switches and Signals
248	Supports
249	Static Molds
250	Radiant Energy
251	Valves and Valve Actuation
252	Compositions
254	Implements or Apparatus for Applying Pushing or Pulling Force
256	Fences
257	Active Solid-State Devices (e.g., Transistors, Solid-State Diodes)
258	Railway Mail Delivery
260	Chemistry of Carbon Compounds
261	Gas and Liquid Contact Apparatus
264	Plastic and Nonmetallic Article Shaping or Treating: Processes
266	Metallurgical Apparatus
267	Spring Devices
269	Work Holders
270	Sheet-Material Associating
271	Sheet Feeding or Delivering
273	Amusement Devices: Games
276	Typesetting
277	Seal for a Joint or Junction
278	Land Vehicles: Animal Draft Appliances
279	Chucks or Sockets
280	Land Vehicles
281	Books, Strips, and Leaves
283	Printed Matter
285	Pipe Joints or Couplings
289	Knots and Knot Tying
290	Prime-Mover Dynamo Plants
291	Track Sanders
292	Closure Fasteners
293	Vehicle Fenders
294	Handling: Hand and Hoist-Line Implements
295	Railway Wheels and Axles
296	Land Vehicles: Bodies and Tops
297	Chairs and Seats
298	Land Vehicles: Dumping
299	Mining or In Situ Disintegration of Hard Material
300	Brush, Broom, and Mop Making
301	Land Vehicles: Wheels and Axles
303	Fluid-Pressure and Analogous Brake Systems
305	Wheel Substitutes for Land Vehicles
307	Electrical Transmission or Interconnection Systems
310	Electrical Generator or Motor Structure
312	Supports: Cabinet Structure
313	Electric Lamp and Discharge Devices
314	Electric Lamp and Discharge Devices: Consumable Electrodes
315	Electric Lamp and Discharge Devices: Systems

U.S. PATENT CLASSES AS OF 31-DEC-2005
TITLES ARRANGED IN CLASS NUMBER ORDER

UTILITY CLASSES

CLASS	TITLE
318	Electricity: Motive Power Systems
320	Electricity: Battery or Capacitor Charging or Discharging
322	Electricity: Single Generator Systems
323	Electricity: Power Supply or Regulation Systems
324	Electricity: Measuring and Testing
326	Electronic Digital Logic Circuitry
327	Miscellaneous Active Electrical Nonlinear Devices, Circuits, and Systems
329	Demodulators
330	Amplifiers
331	Oscillators
332	Modulators
333	Wave Transmission Lines and Networks
334	Tuners
335	Electricity: Magnetically Operated Switches, Magnets, and Electromagnets
336	Inductor Devices
337	Electricity: Electrothermally or Thermally Actuated Switches
338	Electrical Resistors
340	Communications: Electrical
341	Coded Data Generation or Conversion
342	Communications: Directive Radio Wave Systems and Devices (e.g., Radar, Radio Navigation)
343	Communications: Radio Wave Antennas
345	Computer Graphics Processing and Selective Visual Display Systems
346	Recorders
347	Incremental Printing of Symbolic Information
348	Television
349	Liquid Crystal Cells, Elements and Systems
351	Optics: Eye Examining, Vision Testing and Correcting
352	Optics: Motion Pictures
353	Optics: Image Projectors
355	Photocopying
356	Optics: Measuring and Testing
358	Facsimile and Static Presentation Processing
359	Optical: Systems and Elements
360	Dynamic Magnetic Information Storage or Retrieval
361	Electricity: Electrical Systems and Devices
362	Illumination
363	Electric Power Conversion Systems
365	Static Information Storage and Retrieval
366	Agitating
367	Communications, Electrical: Acoustic Wave Systems and Devices
368	Horology: Time Measuring Systems or Devices
369	Dynamic Information Storage or Retrieval
370	Multiplex Communications
372	Coherent Light Generators
373	Industrial Electric Heating Furnaces
374	Thermal Measuring and Testing
375	Pulse or Digital Communications
376	Induced Nuclear Reactions: Processes, Systems, and Elements
377	Electrical Pulse Counters, Pulse Dividers, or Shift Registers: Circuits and Systems
378	X-Ray or Gamma Ray Systems or Devices

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TITLES ARRANGED IN CLASS NUMBER ORDER

UTILITY CLASSES

CLASS	TITLE
379	Telephonic Communications
380	Cryptography
381	Electrical Audio Signal Processing Systems and Devices
382	Image Analysis
383	Flexible Bags
384	Bearings
385	Optical Waveguides
386	Television Signal Processing for Dynamic Recording or Reproducing
388	Electricity: Motor Control Systems
392	Electric Resistance Heating Devices
396	Photography
398	Optical Communications
399	Electrophotography
400	Typewriting Machines
401	Coating Implements with Material Supply
402	Binder Device Releasably Engaging Aperture or Notch of Sheet
403	Joints and Connections
404	Road Structure, Process, or Apparatus
405	Hydraulic and Earth Engineering
406	Conveyors: Fluid Current
407	Cutters, for Shaping
408	Cutting by Use of Rotating Axially Moving Tool
409	Gear Cutting, Milling, or Planing
410	Freight Accommodation On Freight Carrier
411	Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener
412	Bookbinding: Process and Apparatus
413	Sheet Metal Container Making
414	Material or Article Handling
415	Rotary Kinetic Fluid Motors or Pumps
416	Fluid Reaction Surfaces (i.e., Impellers)
417	Pumps
418	Rotary Expansible Chamber Devices
419	Powder Metallurgy Processes
420	Alloys or Metallic Compositions
422	Chemical Apparatus and Process Disinfecting, Deodorizing, Preserving, or Sterilizing
423	Chemistry of Inorganic Compounds
424	Drug, Bio-Affecting and Body Treating Compositions
425	Plastic Article or Earthenware Shaping or Treating: Apparatus
426	Food or Edible Material: Processes, Compositions, and Products
427	Coating Processes
428	Stock Material or Miscellaneous Articles
429	Chemistry: Electrical Current Producing Apparatus, Product, and Process
430	Radiation Imagery Chemistry: Process, Composition, or Product Thereof
431	Combustion
432	Heating
433	Dentistry
434	Education and Demonstration
435	Chemistry: Molecular Biology and Microbiology
436	Chemistry: Analytical and Immunological Testing
438	Semiconductor Device Manufacturing: Process
439	Electrical Connectors

U.S. PATENT CLASSES AS OF 31-DEC-2005
TITLES ARRANGED IN CLASS NUMBER ORDER

UTILITY CLASSES

CLASS	TITLE
440	Marine Propulsion
441	Buoys, Rafts, and Aquatic Devices
442	Fabric (Woven, Knitted, or Nonwoven Textile or Cloth, Etc.)
445	Electric Lamp or Space Discharge Component or Device Manufacturing
446	Amusement Devices: Toys
449	Bee Culture
450	Foundation Garments
451	Abrading
452	Butchering
453	Coin Handling
454	Ventilation
455	Telecommunications
460	Crop Threshing or Separating
462	Books, Strips, and Leaves for Manifolding
463	Amusement Devices: Games
464	Rotary Shafts, Gudgeons, Housings, and Flexible Couplings for Rotary Shafts
470	Threaded, Headed Fastener, or Washer Making: Process and Apparatus
472	Amusement Devices
473	Games Using Tangible Projectile
474	Endless Belt Power Transmission Systems or Components
475	Planetary Gear Transmission Systems or Components
476	Friction Gear Transmission Systems or Components
477	Interrelated Power Delivery Controls, Including Engine Control
482	Exercise Devices
483	Tool Changing
492	Roll or Roller
493	Manufacturing Container or Tube From Paper; or Other Manufacturing From a Sheet or Web
494	Imperforate Bowl: Centrifugal Separators
501	Compositions: Ceramic
502	Catalyst, Solid Sorbent, or Support Therefor: Product or Process of Making
503	Record Receiver Having Plural Interactive Leaves or a Colorless Color Former, Method of Use, or Developer Therefor
504	Plant Protecting and Regulating Compositions
505	Superconductor Technology: Apparatus, Material, Process
507	Earth Boring, Well Treating, and Oil Field Chemistry
508	Solid Anti-Friction Devices, Materials Therefor, Lubricant or Separant Compositions for Moving Solid Surfaces, and Miscellaneous Mineral Oil Compositions
510	Cleaning Compositions for Solid Surfaces, Auxiliary Compositions Therefor, or Processes of Preparing the Compositions
512	Perfume Compositions
514	Drug, Bio-Affecting and Body Treating Compositions
516	Colloid Systems and Wetting Agents; Subcombinations Thereof; Processes Of
518	Chemistry: Fischer-Tropsch Processes; or Purification or Recovery of Products Thereof
520	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series
521	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series
522	Synthetic Resins or Natural Rubbers -- Part of the Class 520

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TITLES ARRANGED IN CLASS NUMBER ORDER

UTILITY CLASSES

CLASS	TITLE
523	Series Synthetic Resins or Natural Rubbers -- Part of the Class 520
524	Series Synthetic Resins or Natural Rubbers -- Part of the Class 520
525	Series Synthetic Resins or Natural Rubbers -- Part of the Class 520
526	Series Synthetic Resins or Natural Rubbers -- Part of the Class 520
527	Series Synthetic Resins or Natural Rubbers -- Part of the Class 520
528	Series Synthetic Resins or Natural Rubbers -- Part of the Class 520
530	Chemistry: Natural Resins or Derivatives; Peptides or Proteins; Lignins or Reaction Products Thereof
532	Organic Compounds -- Part of the Class 532-570 Series
534	Organic Compounds -- Part of the Class 532-570 Series
536	Organic Compounds -- Part of the Class 532-570 Series
540	Organic Compounds -- Part of the Class 532-570 Series
544	Organic Compounds -- Part of the Class 532-570 Series
546	Organic Compounds -- Part of the Class 532-570 Series
548	Organic Compounds -- Part of the Class 532-570 Series
549	Organic Compounds -- Part of the Class 532-570 Series
552	Organic Compounds -- Part of the Class 532-570 Series
554	Organic Compounds -- Part of the Class 532-570 Series
556	Organic Compounds -- Part of the Class 532-570 Series
558	Organic Compounds -- Part of the Class 532-570 Series
560	Organic Compounds -- Part of the Class 532-570 Series
562	Organic Compounds -- Part of the Class 532-570 Series
564	Organic Compounds -- Part of the Class 532-570 Series
568	Organic Compounds -- Part of the Class 532-570 Series
570	Organic Compounds -- Part of the Class 532-570 Series
585	Chemistry of Hydrocarbon Compounds
588	Hazardous or Toxic Waste Destruction or Containment
600	Surgery
601	Surgery: Kinesitherapy
602	Surgery: Splint, Brace, or Bandage
604	Surgery
606	Surgery
607	Surgery: Light, Thermal, and Electrical Application
623	Prosthesis (i.e., Artificial Body Members), Parts Thereof, or Aids and Accessories Therefor
700	Data Processing: Generic Control Systems or Specific Applications
701	Data Processing: Vehicles, Navigation, and Relative Location
702	Data Processing: Measuring, Calibrating, or Testing
703	Data Processing: Structural Design, Modeling, Simulation, and Emulation
704	Data Processing: Speech Signal Processing, Linguistics, Language Translation, and Audio Compression/Decompression
705	Data Processing: Financial, Business Practice, Management, or Cost/Price Determination
706	Data Processing: Artificial Intelligence
707	Data Processing: Database and File Management or Data Structures
708	Electrical Computers: Arithmetic Processing and Calculating
709	Electrical Computers and Digital Processing Systems:

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UTILITY CLASSES

CLASS	TITLE
	Multicomputer Data Transferring or Plural Processor Synchronization
710	Electrical Computers and Digital Data Processing Systems: Input/Output
711	Electrical Computers and Digital Processing Systems: Memory
712	Electrical Computers and Digital Processing Systems: Processing Architectures and Instruction Processing (e.g., Processors)
713	Electrical Computers and Digital Processing Systems: Support
714	Error Detection/Correction and Fault Detection/Recovery
715	Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing
716	Data Processing: Design and Analysis of Circuit or Semiconductor Mask
717	Data Processing: Software Development, Installation, and Management
718	Electrical Computers and Digital Processing Systems: Virtual Machine Task or Process Management or Task Management/Control
719	Electrical Computers and Digital Processing Systems: Interprogram Communication or Interprocess Communication (Ipc)
720	Dynamic Optical Information Storage or Retrieval
725	Interactive Video Distribution Systems
726	Information Security
800	Multicellular Living Organisms and Unmodified Parts Thereof and Related Processes
901	Robots
902	Electronic Funds Transfer
903	Hybrid Electric Vehicles (HEVs)
930	Peptide or Protein Sequence
968	Horology
976	Nuclear Technology
977	Nanotechnology
984	Musical Instruments
987	Organic Compounds Containing a Bi, Sb, As, or P Atom or Containing a Metal Atom of the 6th To 8th Group of the Periodic System

U.S. PATENT CLASSES AS OF 31-DEC-2005
TITLES ARRANGED IN CLASS NUMBER ORDER

DESIGN AND PLANT CLASSES

CLASS	TITLE
D00	** Design Classification Undetermined **
D01	Edible Products
D02	Apparel and Haberdashery
D03	Travel Goods and Personal Belongings
D04	Brushware
D05	Textile or Paper Yard Goods; Sheet Material
D06	Furnishings
D07	Equipment for Preparing or Serving Food or Drink Not Elsewhere Specified
D08	Tools and Hardware
D09	Packages and Containers for Goods
D10	Measuring, Testing, or Signalling Instruments
D11	Jewelry, Symbolic Insignia, and Ornaments
D12	Transportation
D13	Equipment for Production, Distribution, or Transformation of Energy
D14	Recording, Communication, or Information Retrieval Equipment
D15	Machines Not Elsewhere Specified
D16	Photography and Optical Equipment
D17	Musical Instruments
D18	Printing and Office Machinery
D19	Office Supplies; Artists` and Teachers` Materials
D20	Sales and Advertising Equipment
D21	Games, Toys, and Sports Goods
D22	Arms, Pyrotechnics, Hunting and Fishing Equipment
D23	Environmental Heating and Cooling; Fluid Handling and Sanitary Equipment
D24	Medical and Laboratory Equipment
D25	Building Units and Construction Elements
D26	Lighting
D27	Tobacco and Smokers' Supplies
D28	Cosmetic Products and Toilet Articles
D29	Equipment for Safety, Protection, and Rescue (1)
D30	Animal Husbandry
D32	Washing, Cleaning, or Drying Machine
D34	Material or Article Handling Equipment
D99	Miscellaneous
PLT	Plants