

SAMPLE CUSTOM REPORT

ACTIVITY INDEX PROFILE REPORT

CANON KABUSHIKI KAISHA (UTILITY PATENTS)

ORIGINAL CLASSIFICATION ONLY

1994, 1995, 1981-85, 1986-90, 1991-95

May 1996
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A TECHNOLOGY ASSESSMENT AND FORECAST REPORT

ACTIVITY INDEX PROFILE REPORT

This report has been prepared from the Technology Assessment and Forecast (TAF) data base which contains selected bibliographic data for patents granted since 1963.

For a selected group of patents (e.g., patents issued to Canon Kabushiki Kaisha), the Activity Index Profile Report is useful for identifying technology areas receiving greater and lesser patenting emphasis. Technology areas which have been identified in this report are based on the U.S. Patent Classification System (USPCS) which comprises roughly 400 classes of technology (*). An activity index which is greater than "1.00" for a class indicates a greater than average patenting emphasis in that class. Similarly, an activity index for a class which is less than "1.00" indicates a less than average patenting emphasis in that class (**). Numerically larger activity index values correspond to a greater degree of patenting emphasis while numerically smaller activity index values correspond to a lesser degree of patenting emphasis.

A set of patent activity indices has been calculated for each USPCS class. Only utility patent grants, commonly known as "patents for inventions", are considered in the calculation of activity index values.

For a given time period and selected group of patents, the activity index for a class is determined by dividing a first calculated percentage by a second calculated percentage. The first calculated percentage is equal to the number of patents in the selected group which have received "original" classification that class divided by the TOTAL number of patents which have received "original" classification in that class (*). The second calculated percentage is equal to the total number of utility patents in the selected group divided by the TOTAL number of utility patents (**). See the example provided below.

The tables also include partial class titles. Full USPCS class titles are listed in an attachment included at the end of this report. Listed classes are generally those which existed in the U.S. Patent Classification System as of the end of the most recent calendar year (e.g., December 31, 1995).

Depending on the the portions of this report which have been requested, any or all of the following tab sections may be included:

ACTIVITY INDEX TABLES

- Tab 1- two individual years of patent data are displayed; classes are arranged by decreasing index values for the most recently specified year; only classes in which more than 200 (this value may be changed) patents issued in the most recently specified year are displayed
- Tab 2- two individual years of patent data, arranged by class (values for all classes are calculated)
- Tab 3- two individual years of patent data, arranged by index (values for all classes are calculated)
- Tab 4- combined period patent data (e.g., 1981-85, 1986-90, and 1991-95) , arranged by class (values for all classes are calculated)
- Tab 5- combined period patent data (e.g., 1981-85, 1986-90, and 1991-95) , arranged by index (values for all classes are calculated)

(*) The U.S. Patent Classification System is used to categorize patents by technology. It consists of large divisions of technology, called classes, which are further divided into smaller divisions of technology, called subclasses. Patents are assigned one or more classifications within this system in accordance to the technology disclosed in the patent. One and only one of the classifications assigned to each patent is designated the "original" classification for that patent. In the "Activity Index Report", only the "original" classification is used in assigning each patent to a USPCS class.

(**) Please note that full information necessary for calculating the individual activity index values is presented in each table.

Example of Activity Index Calculations (Tab 1): For Canon patents which were granted in 1995, the activity index for class 354, Photography, is :

$$(58/486) / (1087/101419) = \underline{11.135}.$$

Referring to the excerpt from the activity index table, as shown below (Tab 1)--

In 1995 and in class 354, there were 486 patents granted (see data column 2) of which 58 were owned by Canon. (see data column 4). In 1995 and in all classes of technology, there were 101,419 patents granted (last row of the data in the same table, data column 2) of which 1,087 were owned by Canon (last row of data in the same table, data column 4).

CLASS	TITLE(partial)	TOTAL PATENTS ALL COUNTRIES		SELECTED PATENTS		ACTIVITY INDEX SELECTED PATENTS	
		1994	1995	1994	1995	1994	1995
*** CLASSES IN WHICH MORE THAN *** *** 200 PATENTS ISSUED IN 1995 ***							
358	Facsimile or Television Recording	698	646	107	111	14.221	16.032
347	Incremental Printing of Symbolic Information	402	491	74	84	17.077	15.962
355	Photocopying	844	779	119	122	13.080	14.612
354	Photography	539	* 486*	58	*58*	9.983	*11.135*
369	Dynamic Information Storage or Retrieval	608	694	45	56	6.866	7.529
271	Sheet Feeding or Delivering	288	260	17	18	5.476	6.459
359	Optics: Systems (Including Communication) and Element	1219	1214	72	64	5.479	4.919
348	Television	1071	1104	55	55	4.764	4.648
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600	Surgery	213	217	0	0	0.000	0.000
604	Surgery	1291	1184	0	0	0.000	0.000
606	Surgery	833	871	0	0	0.000	0.000
607	Surgery: Light, Thermal, and Electrical Application	339	353	0	0	0.000	0.000
623	Prosthesis (i.e., Artificial Body Members), Parts Ther	300	260	0	0	0.000	0.000
TOTAL	*** All Classes ***	101676	* 101419*	1096	*1087*	1.000	1.000

SAMPLE CUSTOM REPORT

TAB 1

Active Classes, Arranged By Index

Two Individual Years of Data

SAMPLE CUSTOM REPORT

*** CLASSES IN WHICH MORE THAN *** *** 200 PATENTS ISSUED IN 1995 ***		TOTAL PATENTS ALL COUNTRIES		SELECTED PATENTS		ACTIVITY INDEX SELECTED PATENTS	
CLASS	TITLE(partial)	1994	1995	1994	1995	1994	1995
358	Facsimile or Television Recording	698	646	107	111	14.221	16.032
347	Incremental Printing of Symbolic Information	402	491	74	84	17.077	15.962
355	Photocopying	844	779	119	122	13.080	14.612
354	Photography	539	486	58	58	9.983	11.135
369	Dynamic Information Storage or Retrieval	608	694	45	56	6.866	7.529
271	Sheet Feeding or Delivering	288	260	17	18	5.476	6.459
359	Optics: Systems (Including Communication) and Element	1219	1214	72	64	5.479	4.919
348	Television	1071	1104	55	55	4.764	4.648
382	Image Analysis	340	356	17	17	4.639	4.455
400	Typewriting Machines	208	237	7	11	3.122	4.330
430	Radiation Imagery Chemistry: Process, Composition, or	1559	1444	57	56	3.392	3.618
378	X-Ray or Gamma Ray Systems or Devices	196	263	12	10	5.680	3.548
310	Electrical Generator or Motor Structure	476	429	14	14	2.729	3.045
356	Optics: Measuring and Testing	657	752	19	23	2.683	2.854
106	Compositions: Coating or Plastic	508	431	3	13	.548	2.814
360	Dynamic Magnetic Information Storage or Retrieval	820	811	34	24	3.847	2.761
379	Telephonic Communications	659	816	16	24	2.252	2.744
216	Etching a Substrate: Processes	202	208	4	6	1.837	2.691
345	Selective Visual Display Systems	358	398	11	11	2.850	2.579
118	Coating Apparatus	283	333	8	9	2.622	2.522
235	Registers	318	373	6	7	1.750	1.751
371	Error Detection/Correction and Fault Detection/Recover	279	444	6	8	1.995	1.681
341	Coded Data Generation or Conversion	249	308	3	5	1.118	1.515
250	Radiant Energy	1173	1136	35	17	2.768	1.396
252	Compositions	1096	1101	10	16	.846	1.356
395	Information Processing System Organization	2639	3169	38	46	1.336	1.354
318	Electricity: Motive Power Systems	418	420	8	6	1.776	1.333
372	Coherent Light Generators	563	411	7	5	1.153	1.135
437	Semiconductor Device Manufacturing: Process	1160	1405	20	17	1.599	1.129
257	Active Solid-State Devices (e.g., Transistors, Solid-S	1370	1360	20	16	1.354	1.098
219	Electric Heating	719	636	5	6	.645	.880
241	Solid Material Comminution or Disintegration	237	220	2	2	.783	.848
384	Bearings	203	228	1	2	.457	.818
425	Plastic Article or Earthenware Shaping or Treating: Ap	420	361	6	3	1.325	.775
428	Stock Material or Miscellaneous Articles	2072	2143	16	17	.716	.740
427	Coating Processes	845	782	7	6	.769	.716
264	Plastic and Nonmetallic Article Shaping or Treating: P	744	799	9	5	1.122	.584
204	Chemistry: Electrical and Wave Energy	531	501	3	3	.524	.559
375	Pulse or Digital Communications	560	601	5	3	.828	.466
141	Fluent Material Handling, with Receiver or Receiver Co	254	207	1	1	.365	.451
029	Metal Working	929	841	10	4	.999	.444
370	Multiplex Communications	682	841	3	4	.408	.444
162	Paper Making and Fiber Liberation	206	221	0	1	0.000	.422
380	Cryptography	245	225	2	1	.757	.415
414	Material or Article Handling	454	472	3	2	.613	.395
165	Heat Exchange	335	253	0	1	0.000	.369
222	Dispensing	571	514	0	2	0.000	.363
072	Metal Deforming	323	274	0	1	0.000	.341
361	Electricity: Electrical Systems and Devices	687	842	3	3	.405	.332
451	Abrading	280	283	1	1	.331	.330
313	Electric Lamp and Discharge Devices	206	298	2	1	.901	.313
365	Static Information Storage and Retrieval	1020	916	4	3	.364	.306
134	Cleaning and Liquid Contact with Solids	307	309	1	1	.302	.302
156	Adhesive Bonding and Miscellaneous Chemical Manufactur	877	926	7	3	.740	.302
198	Conveyors: Power-Driven	420	317	0	1	0.000	.294
436	Chemistry: Analytical and Immunological Testing	289	317	0	1	0.000	.294
073	Measuring and Testing	1359	1351	2	4	.137	.276
326	Electronic Digital Logic Circuitry	281	341	0	1	0.000	.274
526	Synthetic Resins or Natural Rubbers -- Part of the Cla	353	365	0	1	0.000	.256
148	Metal Treatment	362	379	1	1	.256	.246
053	Package Making	278	416	0	1	0.000	.224
423	Chemistry of Inorganic Compounds	485	428	0	1	0.000	.218
248	Supports	534	493	0	1	0.000	.189
324	Electricity: Measuring and Testing	823	1020	1	2	.113	.183
362	Illumination	428	538	0	1	0.000	.173
528	Synthetic Resins or Natural Rubbers -- Part of the Cla	655	553	0	1	0.000	.169

*** CLASSES IN WHICH MORE THAN *** *** 200 PATENTS ISSUED IN 1995 ***		TOTAL PATENTS ALL COUNTRIES		SELECTED PATENTS		ACTIVITY INDEX SELECTED PATENTS	
CLASS	TITLE(partial)	1994	1995	1994	1995	1994	1995
364	Electrical Computers and Data Processing Systems	1847	1674	6	3	.301	.167
385	Optical Waveguides	571	560	5	1	.812	.167
206	Special Receptacle or Package	652	634	3	1	.427	.147
327	Miscellaneous/Active Electrical Nonlinear Devices, Cir	529	643	1	1	.175	.145
422	Chemical Apparatus and Process Disinfecting, Deodorizi	585	646	2	1	.317	.144
439	Electrical Connectors	941	933	1	1	.099	.100
002	Apparel	255	270	0	0	0.000	0.000
004	Baths, Closets, Sinks, and Spittoons	290	230	0	0	0.000	0.000
005	Beds	220	257	0	0	0.000	0.000
015	Brushing, Scrubbing, and General Cleaning	443	429	0	0	0.000	0.000
024	Buckles, Buttons, Clasps, Etc.	223	236	0	0	0.000	0.000
030	Cutlery	220	211	0	0	0.000	0.000
033	Geometrical Instruments	242	331	1	0	.383	0.000
043	Fishing, Trapping, and Vermin Destroying	273	212	0	0	0.000	0.000
052	Static Structures (e.g., Buildings)	688	617	0	0	0.000	0.000
060	Power Plants	638	616	0	0	0.000	0.000
062	Refrigeration	649	635	0	0	0.000	0.000
070	Locks	182	210	0	0	0.000	0.000
074	Machine Element or Mechanism	421	378	0	0	0.000	0.000
075	Specialized Metallurgical Processes, Compositions for	224	245	0	0	0.000	0.000
084	Music	303	343	0	0	0.000	0.000
099	Foods and Beverages: Apparatus	230	309	0	0	0.000	0.000
101	Printing	320	338	0	0	0.000	0.000
114	Ships	260	273	0	0	0.000	0.000
119	Animal Husbandry	287	246	0	0	0.000	0.000
123	Internal-Combustion Engines	841	859	0	0	0.000	0.000
128	Surgery	1221	1225	1	0	.076	0.000
137	Fluid Handling	618	578	0	0	0.000	0.000
166	Wells	526	406	0	0	0.000	0.000
174	Electricity: Conductors and Insulators	374	403	1	0	.248	0.000
180	Motor Vehicles	337	212	0	0	0.000	0.000
188	Brakes	235	275	1	0	.395	0.000
200	Electricity: Circuit Makers and Breakers	258	239	0	0	0.000	0.000
205	Electrolysis: Processes, Compositions Used Therein, a	336	308	2	0	.552	0.000
210	Liquid Purification or Separation	958	1045	0	0	0.000	0.000
220	Receptacles	413	397	0	0	0.000	0.000
224	Package and Article Carriers	202	254	0	0	0.000	0.000
228	Metal Fusion Bonding	268	234	0	0	0.000	0.000
239	Fluid Sprinkling, Spraying, and Diffusing	416	338	0	0	0.000	0.000
242	Winding, Tensioning, or Guiding	543	357	0	0	0.000	0.000
244	Aeronautics	283	240	0	0	0.000	0.000
273	Amusement Devices: Games	954	1002	0	0	0.000	0.000
280	Land Vehicles	933	925	0	0	0.000	0.000
285	Pipe Joints or Couplings	321	265	0	0	0.000	0.000
296	Land Vehicles: Bodies and Tops	277	239	0	0	0.000	0.000
297	Chairs and Seats	454	341	0	0	0.000	0.000
303	Fluid-Pressure and Analogous Brake Systems	215	217	0	0	0.000	0.000
312	Supports: Cabinet Structure	161	209	0	0	0.000	0.000
315	Electric Lamp and Discharge Devices: Systems	331	401	1	0	.280	0.000
330	Amplifiers	269	252	3	0	1.035	0.000
333	Wave Transmission Lines and Networks	265	232	0	0	0.000	0.000
340	Communications: Electrical	663	829	4	0	.560	0.000
342	Communications: Directive Radio Wave Systems and Devi	352	336	0	0	0.000	0.000
343	Communications: Radio Wave Antennas	206	215	0	0	0.000	0.000
363	Electric Power Conversion Systems	219	223	2	0	.847	0.000
381	Electrical Audio Signal Processing Systems and Devices	214	256	1	0	.434	0.000
405	Hydraulic and Earth Engineering	287	266	0	0	0.000	0.000
417	Pumps	387	308	0	0	0.000	0.000
424	Drug, Bio-Affecting and Body Treating Compositions	1242	1328	0	0	0.000	0.000
426	Food or Edible Material: Processes, Compositions, and	559	580	0	0	0.000	0.000
429	Chemistry: Electrical Current Producing Apparatus, Pr	386	437	0	0	0.000	0.000
433	Dentistry	293	209	0	0	0.000	0.000
435	Chemistry: Molecular Biology and Microbiology	1448	1519	1	0	.064	0.000
455	Telecommunications	326	432	1	0	.285	0.000
482	Exercise Devices	356	323	0	0	0.000	0.000
501	Compositions: Ceramic	315	233	0	0	0.000	0.000

*** CLASSES IN WHICH MORE THAN *** *** 200 PATENTS ISSUED IN 1995 ***		TOTAL PATENTS ALL COUNTRIES		SELECTED PATENTS		ACTIVITY INDEX SELECTED PATENTS	
CLASS	TITLE(partial)	1994	1995	1994	1995	1994	1995
502	Catalyst, Solid Sorbent, or Support Therefor: Product	357	316	0	0	0.000	0.000
504	Plant Protecting and Regulating Compositions	197	203	0	0	0.000	0.000
514	Drug, Bio-Affecting and Body Treating Compositions	2131	2532	0	0	0.000	0.000
521	Synthetic Resins or Natural Rubbers -- Part of the Cla	228	213	0	0	0.000	0.000
523	Synthetic Resins or Natural Rubbers -- Part of the Cla	274	228	0	0	0.000	0.000
524	Synthetic Resins or Natural Rubbers -- Part of the Cla	882	753	1	0	.105	0.000
525	Synthetic Resins or Natural Rubbers -- Part of the Cla	1067	742	2	0	.174	0.000
530	Chemistry: Natural Resins or Derivatives; Peptides or	298	294	1	0	.311	0.000
536	Organic Compounds -- Part of the Class 532-570 Series	199	349	0	0	0.000	0.000
546	Organic Compounds -- Part of the Class 532-570 Series	224	235	0	0	0.000	0.000
548	Organic Compounds -- Part of the Class 532-570 Series	280	287	0	0	0.000	0.000
549	Organic Compounds -- Part of the Class 532-570 Series	264	236	0	0	0.000	0.000
568	Organic Compounds -- Part of the Class 532-570 Series	320	308	0	0	0.000	0.000
585	Chemistry of Hydrocarbon Compounds	252	230	0	0	0.000	0.000
600	Surgery	213	217	0	0	0.000	0.000
604	Surgery	1291	1184	0	0	0.000	0.000
606	Surgery	833	871	0	0	0.000	0.000
607	Surgery: Light, Thermal, and Electrical Application	339	353	0	0	0.000	0.000
623	Prosthesis (i.e., Artificial Body Members), Parts Ther	300	260	0	0	0.000	0.000
TOTAL	*** All Classes ***	101676	101419	1096	1087	1.000	1.000

SAMPLE CUSTOM REPORT

SAMPLE CUSTOM REPORT

TAB 2

All Classes, Arranged By Class

Two Individual Years of Data

SAMPLE CUSTOM REPORT

CLASS	TITLE(partial)	TOTAL PATENTS ALL COUNTRIES		SELECTED PATENTS		ACTIVITY INDEX SELECTED PATENTS	
		1994	1995	1994	1995	1994	1995
001	** Classification Undetermined **	2	5	0	0	0.000	0.000
002	Apparel	255	270	0	0	0.000	0.000
004	Baths, Closets, Sinks, and Spittoons	290	230	0	0	0.000	0.000
005	Beds	220	257	0	0	0.000	0.000
007	Compound Tools	25	14	0	0	0.000	0.000
008	Bleaching and Dyeing; Fluid Treatment and Chemical Mod	196	172	0	0	0.000	0.000
012	Boot and Shoe Making	13	7	0	0	0.000	0.000
014	Bridges	35	43	0	0	0.000	0.000
015	Brushing, Scrubbing, and General Cleaning	443	429	0	0	0.000	0.000
016	Miscellaneous Hardware	131	148	0	0	0.000	0.000
019	Textiles: Fiber Preparation	67	66	0	0	0.000	0.000
023	Chemistry: Physical Processes	19	12	0	0	0.000	0.000
024	Buckles, Buttons, Clasps, Etc.	223	236	0	0	0.000	0.000
026	Textiles: Cloth Finishing	11	26	0	0	0.000	0.000
027	Undertaking	11	13	0	0	0.000	0.000
028	Textiles: Manufacturing	64	60	0	0	0.000	0.000
029	Metal Working	929	841	10	4	.999	.444
030	Cutlery	220	211	0	0	0.000	0.000
033	Geometrical Instruments	242	331	1	0	.383	0.000
034	Drying and Gas or Vapor Contact with Solids	201	167	0	0	0.000	0.000
036	Boot, Shoes, and Leggings	165	159	0	0	0.000	0.000
037	Excavating	49	86	0	0	0.000	0.000
038	Textiles: Ironing or Smoothing	38	29	0	0	0.000	0.000
040	Card, Picture, or Sign Exhibiting	194	188	0	0	0.000	0.000
042	Firearms	99	129	0	0	0.000	0.000
043	Fishing, Trapping, and Vermin Destroying	273	212	0	0	0.000	0.000
044	Fuel and Related Compositions	101	98	0	0	0.000	0.000
047	Plant Husbandry	164	176	0	0	0.000	0.000
048	Gas: Heating and Illuminating	11	34	0	0	0.000	0.000
049	Movable or Removable Closures	165	174	0	0	0.000	0.000
051	Abrasive Tool Making Process, Material, or Composition	58	50	1	0	1.599	0.000
052	Static Structures (e.g., Buildings)	688	617	0	0	0.000	0.000
053	Package Making	278	416	0	1	0.000	.224
054	Harness	19	16	0	0	0.000	0.000
055	Gas Separation	96	105	0	0	0.000	0.000
056	Harvesters	172	196	0	0	0.000	0.000
057	Textiles: Spinning, Twisting, and Twining	142	111	0	0	0.000	0.000
059	Chain, Staple, and Horseshoe Making	23	20	0	0	0.000	0.000
060	Power Plants	638	616	0	0	0.000	0.000
062	Refrigeration	649	635	0	0	0.000	0.000
063	Jewelry	29	36	0	0	0.000	0.000
065	Glass Manufacturing	174	99	3	4	1.599	3.770
066	Textiles: Knitting	73	68	0	0	0.000	0.000
068	Textiles: Fluid Treating Apparatus	62	62	0	0	0.000	0.000
069	Leather Manufactures	1	0	0	0	0.000	0.000
070	Locks	182	210	0	0	0.000	0.000
071	Chemistry: Fertilizers	39	61	0	0	0.000	0.000
072	Metal Deforming	323	274	0	1	0.000	.341
073	Measuring and Testing	1359	1351	2	4	.137	.276
074	Machine Element or Mechanism	421	378	0	0	0.000	0.000
075	Specialized Metallurgical Processes, Compositions for	224	245	0	0	0.000	0.000
076	Metal Tools and Implements, Making	27	44	0	0	0.000	0.000
079	Button Making	0	0	0	0	0.000	0.000
081	Tools	196	142	0	0	0.000	0.000
082	Turning	54	33	0	0	0.000	0.000
083	Cutting	233	180	1	0	.398	0.000
084	Music	303	343	0	0	0.000	0.000
086	Ammunition and Explosive-Charge Making	14	11	0	0	0.000	0.000
087	Textiles: Braiding, Netting, and Lace Making	9	11	0	0	0.000	0.000
089	Ordnance	133	131	0	0	0.000	0.000
091	Motors: Expansible Chamber Type	93	69	1	1	.998	1.352
092	Expansible Chamber Devices	101	101	0	0	0.000	0.000
095	Gas Separation: Processes	121	131	0	0	0.000	0.000
096	Gas Separation: Apparatus	59	67	0	0	0.000	0.000
099	Foods and Beverages: Apparatus	230	309	0	0	0.000	0.000
100	Presses	112	99	0	0	0.000	0.000

SAMPLE CUSTOM REPORT

TAB 3

All Classes, Arranged By Index

Two Individual Years of Data

SAMPLE CUSTOM REPORT

CLASS	TITLE(partial)	TOTAL PATENTS ALL COUNTRIES		SELECTED PATENTS		ACTIVITY INDEX SELECTED PATENTS	
		1994	1995	1994	1995	1994	1995
358	Facsimile or Television Recording	698	646	107	111	14.221	16.032
346	Recorders	59	35	5	6	7.862	15.995
347	Incremental Printing of Symbolic Information	402	491	74	84	17.077	15.962
355	Photocopying	844	779	119	122	13.080	14.612
136	Batteries: Thermolectric and Photoelectric	77	92	17	12	20.482	12.170
354	Photography	539	486	58	58	9.983	11.135
369	Dynamic Information Storage or Retrieval	608	694	45	56	6.866	7.529
271	Sheet Feeding or Delivering	288	260	17	18	5.476	6.459
353	Optics: Image Projectors	70	87	2	5	2.651	5.362
359	Optics: Systems (Including Communication) and Element	1219	1214	72	64	5.479	4.919
348	Television	1071	1104	55	55	4.764	4.648
270	Sheet-Material Associating	55	61	4	3	6.747	4.589
382	Image Analysis	340	356	17	17	4.639	4.455
400	Typewriting Machines	208	237	7	11	3.122	4.330
178	Telegraphy	26	45	2	2	7.136	4.147
117	Single-Crystal, Oriented-Crystal, and Epitaxy Growth P	126	161	6	7	4.418	4.057
065	Glass Manufacturing	174	99	3	4	1.599	3.770
430	Radiation Imagery Chemistry: Process, Composition, or	1559	1444	57	56	3.392	3.618
378	X-Ray or Gamma Ray Systems or Devices	196	263	12	10	5.680	3.548
310	Electrical Generator or Motor Structure	476	429	14	14	2.729	3.045
492	Roll or Roller	18	31	0	1	0.000	3.010
356	Optics: Measuring and Testing	657	752	19	23	2.683	2.854
106	Compositions: Coating or Plastic	508	431	3	13	.548	2.814
360	Dynamic Magnetic Information Storage or Retrieval	820	811	34	24	3.847	2.761
379	Telephonic Communications	659	816	16	24	2.252	2.744
216	Etching a Substrate: Processes	202	208	4	6	1.837	2.691
345	Selective Visual Display Systems	358	398	11	11	2.850	2.579
118	Coating Apparatus	283	333	8	9	2.622	2.522
351	Optics: Eye Examining, Vision Testing and Correcting	150	200	9	5	5.566	2.333
329	Demodulators	30	42	0	1	0.000	2.221
445	Electric Lamp or Space Discharge Component or Device M	44	45	0	1	0.000	2.073
522	Synthetic Resins or Natural Rubbers -- Part of the Cla	68	101	0	2	0.000	1.848
235	Registers	318	373	6	7	1.750	1.751
320	Electricity: Battery and Condenser Charging and Disch	113	110	0	2	0.000	1.696
371	Error Detection/Correction and Fault Detection/Recover	279	444	6	8	1.995	1.681
341	Coded Data Generation or Conversion	249	308	3	5	1.118	1.515
250	Radiant Energy	1173	1136	35	17	2.768	1.396
252	Compositions	1096	1101	10	16	.846	1.356
395	Information Processing System Organization	2639	3169	38	46	1.336	1.354
091	Motors: Expansible Chamber Type	93	69	1	1	.998	1.352
318	Electricity: Motive Power Systems	418	420	8	6	1.776	1.333
409	Gear Cutting, Milling, or Planing	86	71	1	1	1.079	1.314
372	Coherent Light Generators	563	411	7	5	1.153	1.135
437	Semiconductor Device Manufacturing: Process	1160	1405	20	17	1.599	1.129
257	Active Solid-State Devices (e.g., Transistors, Solid-s	1370	1360	20	16	1.354	1.098
219	Electric Heating	719	636	5	6	.645	.880
241	Solid Material Comminution or Disintegration	237	220	2	2	.783	.848
384	Bearings	203	228	1	2	.457	.818
425	Plastic Article or Earthenware Shaping or Treating: Ap	420	361	6	3	1.325	.775
428	Stock Material or Miscellaneous Articles	2072	2143	16	17	.716	.740
427	Coating Processes	845	782	7	6	.769	.716
108	Horizontally Supported Planar Surfaces	145	136	0	1	0.000	.686
475	Planetary Gear Transmission Systems or Components	138	140	0	1	0.000	.666
335	Electricity: Magnetically Operated Switches, Magnets,	193	154	0	1	0.000	.606
540	Organic Compounds -- Part of the Class 532-570 Series	132	157	0	1	0.000	.594
264	Plastic and Nonmetallic Article Shaping or Treating: P	744	799	9	5	1.122	.584
307	Electrical Transmission or Interconnection Systems	139	164	0	1	0.000	.569
204	Chemistry: Electrical and Wave Energy	531	501	3	3	.524	.559
375	Pulse or Digital Communications	560	601	5	3	.828	.466
141	Fluent Material Handling, with Receiver or Receiver Co	254	207	1	1	.365	.451
029	Metal Working	929	841	10	4	.999	.444
370	Multiplex Communications	682	841	3	4	.408	.444
162	Paper Making and Fiber Liberation	206	221	0	1	0.000	.422
380	Cryptography	245	225	2	1	.757	.415
414	Material or Article Handling	454	472	3	2	.613	.395
165	Heat Exchange	335	253	0	1	0.000	.369

SAMPLE CUSTOM REPORT

TAB 4

All Classes, Arranged By Class

Combined Period Data

SAMPLE CUSTOM REPORT

CLASS	TITLE(partial)	TOTAL PATENTS ALL COUNTRIES			SELECTED PATENTS			ACTIVITY INDEX SELECTED PATENTS		
		81-85	86-90	91-95	81-85	86-90	91-95	81-85	86-90	91-95
001	** Classification Undetermined **	0	0	10	0	0	0	0.000	0.000	0.000
002	Apparel	798	1248	1482	0	0	0	0.000	0.000	0.000
004	Baths, Closets, Sinks, and Spittoons	707	985	1275	0	0	0	0.000	0.000	0.000
005	Beds	601	1218	1380	0	0	1	0.000	0.000	.070
007	Compound Tools	70	109	127	0	0	0	0.000	0.000	0.000
008	Bleaching and Dyeing; Fluid Treatment and	1008	920	919	1	2	0	.181	.232	0.000
012	Boot and Shoe Making	121	97	58	0	0	0	0.000	0.000	0.000
014	Bridges	104	139	157	0	0	0	0.000	0.000	0.000
015	Brushing, Scrubbing, and General Cleaning	1294	1598	1882	0	1	0	0.000	.067	0.000
016	Miscellaneous Hardware	434	743	724	0	0	0	0.000	0.000	0.000
019	Textiles: Fiber Preparation	311	321	374	0	0	0	0.000	0.000	0.000
023	Chemistry: Physical Processes	92	46	60	0	0	0	0.000	0.000	0.000
024	Buckles, Buttons, Clasps, Etc.	864	1067	1164	0	1	0	0.000	.100	0.000
026	Textiles: Cloth Finishing	74	96	84	0	0	0	0.000	0.000	0.000
027	Undertaking	36	46	59	0	0	0	0.000	0.000	0.000
028	Textiles: Manufacturing	164	211	275	0	0	0	0.000	0.000	0.000
029	Metal Working	3112	4617	4721	4	5	23	.235	.115	.468
030	Cutlery	930	1252	1205	0	1	0	0.000	.085	0.000
033	Geometrical Instruments	1446	1564	1545	0	5	2	0.000	.341	.124
034	Drying and Gas or Vapor Contact with Soli	789	809	938	0	0	0	0.000	0.000	0.000
036	Boot, Shoes, and Leggings	560	864	722	0	0	0	0.000	0.000	0.000
037	Excavating	393	348	398	0	0	0	0.000	0.000	0.000
038	Textiles: Ironing or Smoothing	112	133	133	0	0	0	0.000	0.000	0.000
040	Card, Picture, or Sign Exhibiting	752	915	852	0	2	1	0.000	.233	.113
042	Firearms	378	519	546	0	0	0	0.000	0.000	0.000
043	Fishing, Trapping, and Vermin Destroying	696	1470	1286	0	0	0	0.000	0.000	0.000
044	Fuel and Related Compositions	699	563	452	0	0	0	0.000	0.000	0.000
047	Plant Husbandry	462	579	769	0	0	0	0.000	0.000	0.000
048	Gas: Heating and Illuminating	352	263	109	0	0	0	0.000	0.000	0.000
049	Movable or Removable Closures	636	871	857	0	0	0	0.000	0.000	0.000
051	Abrasive Tool Making Process, Material, o	171	204	345	0	0	1	0.000	0.000	.278
052	Static Structures (e.g., Buildings)	2475	3633	3234	0	0	0	0.000	0.000	0.000
053	Package Making	1070	1768	1732	0	0	1	0.000	0.000	.055
054	Harness	57	72	100	0	0	0	0.000	0.000	0.000
055	Gas Separation	650	623	640	0	0	0	0.000	0.000	0.000
056	Harvesters	860	906	932	0	0	0	0.000	0.000	0.000
057	Textiles: Spinning, Twisting, and Twinin	845	855	562	0	0	0	0.000	0.000	0.000
059	Chain, Staple, and Horseshoe Making	77	81	97	0	0	0	0.000	0.000	0.000
060	Power Plants	2370	2567	3037	0	1	0	0.000	.042	0.000
062	Refrigeration	2340	2635	3133	0	1	1	0.000	.040	.031
063	Jewelry	78	130	184	0	0	0	0.000	0.000	0.000
065	Glass Manufacturing	1139	1177	886	0	4	17	0.000	.362	1.843
066	Textiles: Knitting	358	389	377	0	0	0	0.000	0.000	0.000
068	Textiles: Fluid Treating Apparatus	273	267	306	0	0	0	0.000	0.000	0.000
069	Leather Manufactures	47	21	11	0	0	0	0.000	0.000	0.000
070	Locks	715	1095	989	0	0	0	0.000	0.000	0.000
071	Chemistry: Fertilizers	239	166	225	0	0	0	0.000	0.000	0.000
072	Metal Deforming	1737	1947	1629	0	1	1	0.000	.055	.059
073	Measuring and Testing	5218	5687	6020	1	2	9	.035	.038	.144
074	Machine Element or Mechanism	1716	2464	2384	1	2	4	.107	.087	.161
075	Specialized Metallurgical Processes, Comp	1094	1096	1086	0	0	0	0.000	0.000	0.000
076	Metal Tools and Implements, Making	130	147	170	0	0	0	0.000	0.000	0.000
079	Button Making	0	1	0	0	0	0	0.000	0.000	0.000
081	Tools	716	958	916	0	0	0	0.000	0.000	0.000
082	Turning	298	400	303	0	0	0	0.000	0.000	0.000
083	Cutting	1254	1306	1258	0	0	1	0.000	0.000	.076
084	Music	1124	1075	1431	0	0	1	0.000	0.000	.067
086	Ammunition and Explosive-Charge Making	65	62	72	0	0	0	0.000	0.000	0.000
087	Textiles: Braiding, Netting, and Lace Mak	39	55	43	0	0	0	0.000	0.000	0.000
089	Ordnance	533	742	694	0	0	0	0.000	0.000	0.000
091	Motors: Expansible Chamber Type	686	664	521	0	0	3	0.000	0.000	.553
092	Expansible Chamber Devices	345	569	517	0	0	0	0.000	0.000	0.000
095	Gas Separation: Processes	605	717	742	0	0	0	0.000	0.000	0.000
096	Gas Separation: Apparatus	424	453	357	0	0	0	0.000	0.000	0.000
099	Foods and Beverages: Apparatus	733	980	1201	0	0	0	0.000	0.000	0.000
100	Presses	528	396	544	1	2	0	.346	.539	0.000

SAMPLE CUSTOM REPORT

SAMPLE CUSTOM REPORT

TAB 5

All Classes, Arranged By Index

Combined Period Data

SAMPLE CUSTOM REPORT

CLASS	TITLE(partial)	TOTAL PATENTS ALL COUNTRIES			SELECTED PATENTS			ACTIVITY INDEX SELECTED PATENTS		
		81-85	86-90	91-95	81-85	86-90	91-95	81-85	86-90	91-95
346	Recorders	353	345	242	9	44	54	4.664	13.602	21.435
347	Incremental Printing of Symbolic Informat	1142	1873	2140	131	331	406	20.983	18.847	18.225
358	Facsimile or Television Recording	993	2161	2949	63	384	476	11.605	18.951	15.506
354	Photography	2141	1966	2460	437	380	311	37.336	20.614	12.145
355	Photocopying	1945	3082	4166	241	356	514	22.665	12.319	11.852
136	Batteries: Thermoelectric and Photoelect	403	366	376	0	7	46	0.000	2.040	11.752
353	Optics: Image Projectors	182	209	316	4	12	22	4.020	6.123	6.688
412	Bookbinding: Process and Apparatus	44	71	122	0	0	8	0.000	0.000	6.299
271	Sheet Feeding or Delivering	772	1082	1618	17	40	100	4.028	3.943	5.937
369	Dynamic Information Storage or Retrieval	1030	1556	3055	3	70	182	.533	4.798	5.723
359	Optics: Systems (Including Communication	2704	4809	6271	191	366	351	12.921	8.117	5.377
348	Television	2243	4032	4959	40	176	255	3.262	4.655	4.940
400	Typewriting Machines	1015	1361	1295	23	82	66	4.145	6.426	4.896
382	Image Analysis	399	1024	1898	0	50	88	0.000	5.207	4.454
270	Sheet-Material Associating	196	265	363	0	7	16	0.000	2.817	4.234
360	Dynamic Magnetic Information Storage or R	2011	3613	3766	46	167	158	4.184	4.930	4.030
378	X-Ray or Gamma Ray Systems or Devices	748	1028	1269	2	3	52	.489	.311	3.936
430	Radiation Imagery Chemistry: Process, Com	3739	4687	6677	163	287	260	7.974	6.530	3.741
117	Single-Crystal, Oriented-Crystal, and Epi	317	417	540	1	2	20	.577	.512	3.558
178	Telegraphy	136	212	168	2	7	6	2.690	3.521	3.431
118	Coating Apparatus	1064	1182	1524	29	48	53	4.986	4.331	3.341
351	Optics: Eye Examining, Vision Testing an	422	756	846	21	30	26	9.103	4.232	2.952
379	Telephonic Communications	1147	2187	2701	5	20	81	.797	.975	2.881
356	Optics: Measuring and Testing	1779	2776	3210	31	65	94	3.187	2.497	2.813
310	Electrical Generator or Motor Structure	1734	2185	2380	9	52	68	.949	2.538	2.745
345	Selective Visual Display Systems	732	1307	1604	10	41	45	2.499	3.346	2.695
250	Radiant Energy	2703	5370	5983	42	148	164	2.842	2.939	2.633
106	Compositions: Coating or Plastic	1239	1354	2150	10	31	54	1.476	2.442	2.413
318	Electricity: Motive Power Systems	1751	1972	2144	9	21	48	.940	1.136	2.151
522	Synthetic Resins or Natural Rubbers -- Pa	228	261	402	0	2	9	0.000	.817	2.151
388	Electricity: Motor Control Systems	165	182	95	2	9	2	2.217	5.274	2.022
065	Glass Manufacturing	1139	1177	886	0	4	17	0.000	.362	1.843
216	Etching a Substrate: Processes	330	484	892	1	7	17	.554	1.542	1.831
371	Error Detection/Correction and Fault Dete	524	973	1315	0	10	23	0.000	1.096	1.680
432	Heating	733	610	373	0	2	6	0.000	.350	1.545
257	Active Solid-State Devices (e.g., Transis	1230	3086	6052	3	31	95	.446	1.071	1.508
476	Friction Gear Transmission Systems or Com	52	47	68	0	1	1	0.000	2.269	1.413
252	Compositions	3608	4121	5369	0	16	74	0.000	.414	1.324
235	Registers	608	1035	1489	2	20	20	.602	2.061	1.290
329	Demodulators	171	207	156	0	3	2	0.000	1.546	1.232
213	Railway Draft Appliances	61	56	79	0	0	1	0.000	0.000	1.216
395	Information Processing System Organizatio	2368	4521	10576	13	38	128	1.004	.896	1.163
437	Semiconductor Device Manufacturing: Proce	1578	2341	5388	1	16	64	.116	.729	1.141
341	Coded Data Generation or Conversion	671	1130	1391	3	15	16	.818	1.416	1.105
372	Coherent Light Generators	743	1772	2268	3	16	24	.739	.963	1.017
269	Work Holders	385	525	397	0	3	4	0.000	.609	.968
445	Electric Lamp or Space Discharge Componen	159	260	299	0	0	3	0.000	0.000	.964
427	Coating Processes	2816	3111	3801	10	74	35	.650	2.537	.885
425	Plastic Article or Earthenware Shaping or	1682	1972	2070	0	5	18	0.000	.270	.835
219	Electric Heating	2996	3546	3394	3	11	29	.183	.331	.821
375	Pulse or Digital Communications	762	1364	2342	1	9	20	.240	.704	.820
428	Stock Material or Miscellaneous Articles	6150	8780	10080	8	77	79	.238	.935	.753
264	Plastic and Nonmetallic Article Shaping o	3047	3223	4455	1	7	33	.060	.232	.712
492	Roll or Roller	97	136	135	1	0	1	1.886	0.000	.712
241	Solid Material Comminution or Disintegrat	687	1157	1117	0	3	7	0.000	.277	.602
294	Handling: Hand and Hoist-Line Implements	654	843	805	1	0	5	.280	0.000	.597
323	Electricity: Power Supply or Regulation	528	717	645	0	4	4	0.000	.595	.596
365	Static Information Storage and Retrieval	1119	2045	3455	1	8	21	.163	.417	.584
414	Material or Article Handling	1990	2353	2374	2	6	14	.184	.272	.567
332	Modulators	112	125	170	0	0	1	0.000	0.000	.565
320	Electricity: Battery and Condenser Charg	255	315	515	4	0	3	2.869	0.000	.560
249	Static Molds	294	315	173	0	0	1	0.000	0.000	.555
091	Motors: Expansible Chamber Type	686	664	521	0	0	3	0.000	0.000	.553
108	Horizontally Supported Planar Surfaces	304	443	523	0	2	3	0.000	.481	.551
156	Adhesive Bonding and Miscellaneous Chemic	3304	3915	4104	4	13	23	.221	.354	.538
385	Optical Waveguides	873	2350	3060	7	17	17	1.467	.772	.534

SAMPLE CUSTOM REPORT

U.S. PATENT CLASSES AS OF 31-DEC-1995
TITLES ARRANGED IN CLASS NUMBER ORDER

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	Boot, 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-1995
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
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 Coating 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-1995
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

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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	Joint Packing
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

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UTILITY CLASSES

CLASS	TITLE
318	Electricity: Motive Power Systems
320	Electricity: Battery and Condenser Charging and 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	Selective Visual Display Systems
346	Recorders
347	Incremental Printing of Symbolic Information
348	Television
351	Optics: Eye Examining, Vision Testing and Correcting
352	Optics: Motion Pictures
353	Optics: Image Projectors
354	Photography
355	Photocopying
356	Optics: Measuring and Testing
358	Facsimile or Television Recording
359	Optics: Systems (Including Communication) and Elements
360	Dynamic Magnetic Information Storage or Retrieval
361	Electricity: Electrical Systems and Devices
362	Illumination
363	Electric Power Conversion Systems
364	Electrical Computers and Data Processing 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
371	Error Detection/Correction and Fault Detection/Recovery
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

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UTILITY CLASSES

CLASS	TITLE
	Registers: Circuits and Systems
378	X-Ray or Gamma Ray Systems or Devices
379	Telephonic Communications
380	Cryptography
381	Electrical Audio Signal Processing Systems and Devices
382	Image Analysis
383	Flexible Bags
384	Bearings
385	Optical Waveguides
388	Electricity: Motor Control Systems
392	Electric Resistance Heating Devices
395	Information Processing System Organization
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
437	Semiconductor Device Manufacturing: Process
439	Electrical Connectors
440	Marine Propulsion
441	Buoys, Rafts, and Aquatic Devices

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UTILITY CLASSES

CLASS	TITLE
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
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	Amusement Devices: Games
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 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
512	Perfume Compositions
514	Drug, Bio-Affecting and Body Treating Compositions
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 Series
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527	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series
528	Synthetic Resins or Natural Rubbers -- Part of the Class 520

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UTILITY CLASSES

CLASS	TITLE
	Series
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
800	Multicellular Living Organisms and Unmodified Parts Thereof
901	Robots
902	Electronic Funds Transfer
930	Peptide or Protein Sequence
935	Genetic Engineering: Recombinant Dna Technology, Hybrid or Fused Cell Technology, and Related Manipulations of Nucleic Acids
968	Horology
976	Nuclear Technology
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

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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 (1) (2)
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