

Class Subclass		Class Subclass		Class Subclass	
E-Layers in Thermo Nuclear Reactions 376 126		Body supported	248 444	Testing instrument	D10 48
Ear		Collapsible	248 460+	Carton	
Coupling detachable janney type	213 157	Copyholder	248 441.1+	Design	D09 757+
Guards	2 455+	Advanceable copytype	40 342+	Making	493 52+
Design	D29 112	Line guide type	40 352+	Paper, compartmented box	206 521.1+
Surgical	128 857+	Painters	248 444+	X-art collection	493 913*
Hair cutters	30 29.5	Photographic enlarging		Paperboard	206 521.1+
Pieces		For original	355 75+	Wooden	217 18+
Eye-glass with protective	351 122	For photosensitive paper	355 72+	Cleaning	134
Speaking tube combined	181 20	Seat with	D06 335+	Brushing or scrubbing	15 3.1+
Telephone	381 385	Wall mounted	248 447.1+	By abrading	451 103+
Design	D14 249	Watch and clock	248 442	Compositions and processes	426 614+
Plug	D24 106	Easy Out Extractor	81 436+	Cooker	
Receptacle		Eaves Trough	52 11+	Automatic control	99 336
Bail	220 773+	Supports	248 48.1+	Boiler	99 403+
Wooden bucket	217 126	Ebonite	525 332.6	Supports combined	99 440
Surgical treatment electrical	607 136	Chemical aspects of producing	525 332.6	Cup	211 14
Syringes	604 187+	Ebullioscope	73 53.01+	Cutting and separating	
Trolley support	191 43+	Eburnamonine	546 50	Apparatus	99 498
Insulator	191 42	Eccentric	74 570.1+	Processes	426 299+
Trumpets	181 129+	Adjustment of frictional gearing	476 61	Dyeing	426 252
Earmuff	2 209	Belt tightener	474 112	Incubator	119 311+
Design	D29 112	Chucks and sockets	279 6	Brooder combined	119 301
Earplug	D24 106	Drive mechanical movement	74 116+	Nest medicated	119 348
Earring	63 12+	Drive shaft for gearing	74 390	Packaging wrapping and casing	426 298
Design	D11 40+	Gearing	74 393	Powdered	426 614
Earth (See Type of Earth Working Equipment)		Planetary	475 162+	Preservation	426 298+
Boring	175	Instruments	33 DIG. 8	Apparatus	99 467+
Compositions	507 100+	Pivot cutter	30 104	Coating	426 289+
Carrier wave communication system	455 40	Weight wheeled toy	446 458	Dehydration	426 471+
Combustion in situ	166 256	Wheel mounts vehicle	280 229	Hermetic sealing	426 298+
Electric current through	166 248	Egonine	546 131	Packing in liquids and powders	426 392+
Electrolyte or conductor in batteries, having earth feature	429 47	Echo Sounding	367 87	Refrigeration	426 524
Engineering	405	Economics Teaching	434 107+	Production	119 6.8
Caissons	405 8+	Economizers		Racks	211 14+
Diving	405 194	Feed water	122 412+	Separators	99 497
Dry docks	405 4+	Ecraseur (See Border; Cutter)	606 135+	Shaker-mixer	D07 300.1
Earth control	405 258.1+	Beading metal sheet	72 102+	Sorting	209 510+
Marine ways	405 2	Beveling pencil sharpener	144 28.2	Tester	73 432.1
Pipe and cable laying	405 154.1+	Binding and covering	29 243.58	Candling	356 52+
Ship caissons	405 12+	Binding or protector		Electrical	324
Stable structures in shifting media	405 229	Skirt garment	2 222	Specific gravity	73 32 R
Marine structures	405 195.1	Coating method	427 284+	Treatment	426 614
Tunnel	405 132+	Curling by bending rolls	72 102+	Altering normal development	119 6.8
Underground fluid storage	405 53+	Cutter	83 425.2+	Turner	99 644
Water control	405 52+	Fabric bed bottom	5 192	Implement	294 7+
Excavating	37	Flanging metal	72 352+	Incubator tray type	119 323+
Getter for lamps etc.	252 181.7	Grinding lenses (see templet)		Ejecting or Ejector	
Grounds	174 6+	Guarded cutting		Article dispensing magazine with	221 208+
Hazardous or toxic waste containment	405 129.1+	Cutlery	30 286+	Stacked card or sheet	312 50+
Induction compass	33 361+	Manicure cutlery	30 27	Bale	100 218
Metals preparation		Razor	30 51+	Bobbin and cop winding with	242 473.9
Electrolytic	204 194+	Hand gardening tool	172 371	Boiler blowoff	122 384
Pyrometallurgy	75 605+	Design	D08 1+	Conveyor bucket discharging	198 703+
Mining of in situ disintegration of hard material	299	Indenting shoe sole	12 32	Convolute winding	242 533+
Planting	111	Knitted garment antiravel portion	66 172 R+	Cowl ventilator outlet	454 39+
Pulse or digital communications	375 218	Mattress	5 739	Windvane	454 22+
Roadway stabilization	404 76	Panel e.g. table top	52 782.2+	Cutlery combined with material	30 128
Sciences computerized, monitored ..	702 2+	Resilient strip	52 800.1+	Embalming	27 24.1
Stabilizing for mining	299 11	Retainer	52 764+	Envelope machine with	493 268
Transmission teledynamic systems ..	455 68	Reinforcing		Firearms	42 25
Unearthing plants or buried objects		Laminated strand	156 166	Upward tilting breech	42 47+
Wells	166	Metallic container	220 640+	Fluid sprayer with collapsible holder	239 328
Working	172	Runner mill comminutor	241 107+	Furnace smoke box spark	110 127
Earthenware		Serrating		Grain binder with	56 449
Apparatus for shaping	425	Paper box making	493 56+	Ingot strippers	164 405
Decorating	427 256+	Tool sharpener	76 89.1	Jet pump	417 151+
Final coating nonuniform	427 269	Stays pivoted	24 267	Mechanism for key	70 388
Nonuniform coating	427 287	Tool clamp for abrading	451 367+	With key operating mechanism	70 414
Plural nonuniform coating	427 266	Trim strips	52 716.1+	Medicator gas	604 23+
Glazing apparatus	118	Trimming stock for apparel	428 122+	Metal castings	164 344+
Earthing (See Grounds Electric)	174 6+	Upholstery trim	428 123	Molds with fluent hardening material forming	249 66.1+
Earthquake Proof Construction	52 167.1	Winding flat wire	72 135+	Plastic forming	425 422
Earthquake Recorders	346	Wire fabric	245 10	Plastic forming	425 436 R+
Seismographs		Edgewise Sheet-Metal Bender	72 411	Type casting	199 80+
Electrical	367 115	Edible Foodstuffs	D01	Movable dispensing pockets with	222 216+
Mechanical	181	Container holder, edible	D01	Parachute flare carrying	102 340
Earthworking	172	Education and Teaching		Phonograph record holder	312 9.11+
Excavating	37	Appliance design	D19 59+	Plastic die expressing with	425 381.2
Earthworm Agitator		Artificial intelligence	706 927*	Pottery machines with	425 263+
Electric		Blocks & cards	434 403+	Pottery machines with	425 459+
Earth grounds	174 6+	Cryptography	434 55+	Power plant exhaust treatment	60 685+
Electrocuting	43 98+	Display panel, chart, or graph	434 430+	Punch implement	30 368
Prods	47 1.3	Erasable surfaces	434 408+	Punch press	83 123+
Trapping	43 58+	Keyboard operation	434 227+	Pyrotechnic device with article	102 357
Earvent or Drain	606 109	Effervescent Tablets		Rocket	102 351
Easel	248 441.1+	Medicine	424 43+	Receptacles	
		Egg		Dispensing type	222
		Beater	366 343+	Non refillable bottles	215 16
		Breaker or cracker	99 568+	Pocket safes or ticket cases	221 208+
		Candling	356 52+		

Class Subclass		Class Subclass		Class Subclass	
Receptacle filling charge	141 249	With fluid or vacuum	174 28+	Elevators, electric control	187 277+
Saliva	433 91	Coil winding	242 430+	Engine starting motor systems	290
Self unloading vehicles with	414 506	Compositions		Motor per se	310
Sewing machine bobbin	112 180	Conductive or emissive	252 500+	Equipment, design	D13
Sheet cutting dies with blank	83 123+	Computer controlled, monitored item	700 286+	Exercise device related	482 1+
Sheet cutting dies with blank	83 652+	Computers & data processing systems	703	Eye (see photoelectric)	
Sheet metalware die shaping with	72 344+	Condensers (see condenser)	361 271+	Fan	310 40.5
Ship bilge discharge	114 184+	Making	29 25.41+	Guards	416 247 R
Special tools	29 700+	Conductor (see conductor)		With body motion	310 40.5
Stereotype casting device with	164 145	Conduits and tubes	174	Fault isolating safety systems	361 1+
Tobacco smoking device with	131 182+	Insulators	174	Fault location	324 512+
Type casting mechanisms		Making or joining	156 47+	Fault testing	324 500+
integral line with	199 60+	Running lengths	219 85.1+	Fence	256 10
Type setting machine with	276 12+	Structure	174	Insulator	174 137 R+
Elastic (See Spring)		Transmission to moving object	191 1 R	Filter (see filter, electric)	
Band guns and projectors	124 17+	Transmission to vehicles	191	Fire starting device	D07 416+
Electrical cord	174 69	Conduits & housing (see conduits)		Flashlight	362 208
Extension devices	267 69+	Electrical service meters	361 659+	Fluid heater	392 311+
Fabric (see fabric)	442 182+	Housed switchboards	361 601+	Fluid motor system incorporating	
Bed bottom	5 186.1+	Outlet or junction box type	220 3.2+	electrical system	60 911*
Fastener, elastometric	269 907*	Pipe joints	285	Furnace	373
Shoe upper	36 51	Pipes	138	Fuses	337 142+
Stocking	2 239+	Structure	174	For explosives	102
Knitted	66 178 A+	Connectors (see connection)	439	In arc lamp	314 10+
Surgical	602 62+	Design	D13 133+	In lamp or electronic tube	315 74+
Strand	57 200+	Winding by orbital guide	242 442	Gas & liquid contact apparatus	261 DIG. 80
Core covering processes	57 3+	Winding by rotating connector	242 439+	Geiger muller counter	250 374+
Covered core	57 225	Winding implement	242 442	Geiger muller counter	313 93
Making by spinning twisting	57 3+	Wire nuts	174 87	Generation	310
Elbow		Contact (see contact, electrical)		In lamp or electronic tube	315 55
Bending	72 369	Contact brush		System	322
Conduit electric	174 81	Making by plastic operation	264 104+	Generator (see generators)	310
Coupling pipe	285 179+	Making methods	29 826+	Bicycle driven with lamp	362 193
Electret		Motor or generator	310 248+	Nonelectric prime mover driven	290
Gas separation	55 DIG. 39	Moving arc lamp electrode	314 129	System	322
Making	29 886	To moving object or vehicle	191	Generator control	322 44+
Static information storage	365 146	Contact metal	75	Polarity control	322 5+
Telephone transmitter	381 173	Composite	428 929*	Power transmitting	
Electric & Electricity		Container for removable components	206 701+	mechanism control	322 40+
Actuation of artificial body member	623 24+	Control of dispensers	222 52+	Generator systems	322
Amplifiers	330	Interlocked with discharge		Automatic control	322 11
Apparatus, demonstrating	434 379	guide or support	222 75	Automatic control	322 17+
Arc (see arc, electric)		Controller (see control or		Excitation control	322 59+
Bandaging	602 2	controller, electric)		Piezoelectric	322 2 R
Batteries		Conversion systems	363	Gyroscopic compass	33 324+
Battery & condenser charging &		Current conversion	363 13+	Heating	219
discharging	320	Frequency conversion	363 157+	Distillation processes	
Boxes for	429 96+	Phase conversion	363 148+	Paratory	203
Electro chemical	429	Cooking by current through food	99 358	Thermolytic	201
Thermo electric or photoelectric	136	Cooling produced by	62 3.1+	Electrothermic metallurgy	75 10.1+
Bearings, magnetic supports	310 90.5	Cord		Gas generator retort	48 103
Bells	340 392.1+	Storing	191 12 R+	Incubator type heater	236 3
Binding posts	439	Course control	244 175+	Knife	30 140
Terminal boards	439 709+	Current distribution	307	Metal treatment	148 566+
Blankets and pads	219 212	Current producing apparatus,		Metal working with	29 DIG. 13
Block signaling systems for		product, process	429	Static mold	249 78
railways	246 20+	Demagnetizers	361 267	Thawing pipes and freeze	
Board games	273 237+	Depilatories	606 43	protection	138 33
Boiler	392 441+	Design	D13	Track sanders	291 20
Boiler	392 325+	Air conditioning	D23 351+	High frequency medical	607 154+
Brake		Clocks	D10 1+	Igniter with burner (see igniter)	431 258+
Electrically operated	188 158+	Fan	D23 370+	Ignition, internal combustion	
Frictionless	310 92+	Heating	D23 314+	engine	123 143 R+
Bridge networks	323 365	Lamps	D26	Impulse generator	
Wave filter	333 170	Measuring testers	D10 75+	Condenser discharge	320 166
Cabinet combined with electrical		Medical xray	D24 158	Dynamo electric	310 10+
features	312 223.1+	Photo chemical etching	430 313+	Electromagnetic periodic switch	335 87+
Cable (see cable, electric)	174	Soldering iron	D08 30	Gas tube relaxation generator	331 129
Composite cable molding	425 505	Diagnostics medical	600 300	Miscellaneous electronic device	
Connections or joints	174	Distribution	D13	system	327 291+
Forming tool	7 107+	Distributor (see distributor,		Nondynamo electric	310 300
Support	248 49+	electric)		Periodic switch	200 19.01+
Candlelabrum	D26 24+	Door or gate	49 59	Radar system	342 175+
Capacitor devices	361 271+	Drill	30 500	Relaxation oscillation generator	331 143
Car propulsion systems	104	Electrical device making processes	29 592.1	Signal transmitters	341 173+
Cell (see cell, electric)		Electrical power conversion systems	363	Supplied to lamp or electronic	
Chair, eg electrocution	607 1+	Electrical systems & devices	361 600	tube	315 289
Cigar or cigarette lighter	219 260+	Electrical systems & devices	361 837	Telegraph system	178
Circuit maker or breaker (see		Electrocardiographs	600 510	Telephone call transmitters	379
circuit; switch)	200	Electrolytic device	361 500+	Transistor relaxation generator	331 111
Clock	368 76+	Batteries	136	Inductor devices	336
Clutches		Chemistry, electrical & wave		Insulation, electrical	493 949*
Electric motor and clutch		energy	204	Insulator	D13 129+
control	477	Electromagnetic operation	335	Interrupter (see interrupter)	
Electric operator	192 84.3+	Coating utilizing	427 457+	Ionization chamber	313 93
In automatic type	192 40	Ion plating or implanting	427 523+	For nuclear fusion reaction	376 100
Torque transmitting		Electronic tube (see electric		System	250 335
frictionless	310 92+	space discharge devices)		Junction box	D13 152
Coating processes	427 58	Electrothermally or thermally		Key (see key, electric)	
Coaxial cable		actuated switches	337	Lamp (see lamps, electric)	313
Electronic tube combined with	315 39	Electrothermic metallurgical		Consumable electrode arc lamp	314
Transmission lines	333 243+	processes	75 10.1+	Display systems, matrix	345 73

Class Subclass		Class Subclass		Class Subclass	
Display systems, monogram.....	345 44+	Inrush current limiters	323 908*	Surgical receptors	604 20+
Flash lights	362 208+	Lamp dimmer structure.....	323 905*	Switches (see switch, electric)	200
Heaters using.....	219 552+	Medical electronics	323 911*	Magnetically operated	335
Lamp systems	315	Optical coupling to		Mechanically actuated, general ...	200
Making	445	semiconductor	323 902*	Pencil sharpener	
Making glassworking machine	65 152+	Precipitators	323 903*	pencil actuated.....	144 28.5
Making glassworking processes	65 36+	Remote sensing.....	323 909*	Thermally actuated.....	337
Making miscellaneous	445	Solar cell systems	323 906*	Synthetic resin or natural rubber	
Repair apparatus.....	445 61	Starting circuits	323 901*	formation	521 915*
Repair methods.....	445 2	Temperature compensation of		Teaching	434 301
Signs, multiple function	40 553+	semiconductor	323 907*	Terminals (see terminals, electric)	
Lead frame stock	428 572	Touch systems	323 904*	Tester	324
Leyden	361 301.1+	Two of three phases regulated ...	323 910*	Testing devices (see testing).....	324
Line (see line, electric)		Precipitator	96 15+	Nonelectric test	73
Liquid purifier insulating or		Distillation processes &	201 19	Engine.....	73 35.01
discharging.....	210 243	Distillation processes &	201 40	Sensor.....	73 35.07
Magnetic surgery.....	600 9+	Processes.....	95 57+	Radiant energy using	250
Magnetically operated switches,		Preserving, disinfecting,		X ray using.....	378
magnets, & electromagnets.....	335	sterilizing methods.....	422 22+	Time interval measurements	368 114+
Massage	601 46+	Food or beverage	426 237	Electrical	324 160+
Mattress, flexible heater element	219 549	Apparatus	99 451	Toothbrush	D04 101
Measuring & testing.....	324	Fumigator with electric fan.....	422 124	Toys.....	446 484+
Instruments, design	D10 46+	Prime-mover dynamo plants	290	Telephones.....	446 142
Medical and surgical treatment	607 1+	Printed circuits	361 715+	Train dispatching systems	246 2 R+
Medicators	604 20+	Printed circuits	361 761	Transformation	D13
Melting furnace	373	Printed circuits	361 748	Transformers	336
Glass	373 27	Prod	231 7	Transmission or interconnection	
Meter (see meter, electric)	324 76.11+	Production	D13	systems (see transmission)	307
Coin controlled.....	194	Protection (see protection,		Transmission to vehicles or	
Recording	346	electric)		moving object	191
Miscellaneous	361	Public utility meter	D10 100	Elevator	187 413
Miscellaneous electron space		Radio tube (see electric space		Moving arc lamp	314 129
discharge device systems.....	327	discharge devices)		Tube (see tube, electric)	
Miscellaneous non-linear reactor		Radioactive surgery	600 1+	Tuners	334
systems	307 401+	Rail bonds	238 14.1+	Valve (see electric space	
Miscellaneous non-linear solid		Recorder	346	discharge devices)	
solid device circuits.....	327	Electrochemical	347 163+	Valve actuation	261 DIG. 74
Motive power (see motor, electric) ...	310	Lock indicator	70 434	Vehicle	
Aircraft control actuator	244 175+	Photographic oscillograph	346 107.3+	Locomotive	105 49+
Arc electrode actuator	314 69+	Spark perforating	347 161	Locomotive generating electric ...	105 35+
Arc electrode actuator	314 94+	Rectifier		Motor vehicle	180 65.1+
Automatic miscellaneous	318 445+	Electrolytic	361 436+	Vibrator	
Generating electric locomotives	105 35+	Electronic tube type structure.....	313	Electric switch	335 87+
Induction motors.....	310 166+	Supplying electronic tube or		Massage	601 46+
Induction motors systems	318 727+	lamp	315 200 R+	Rectifying system	363 110+
Interchangeably locked gearing		Supplying radio	327 531+	Voltage magnitude control systems	323
operator	74 365	Systems.....	363 13+	Current regulation	323
Ironing or smoothing machine.....	38 38+	Relay (see relay, electric)		Electronic tube with	323 291
Lock operating mechanism.....	70 277+	Resistor devices (see resistance).....	338	Impedance systems	323 293
Locomotives.....	105 49+	Rivet heaters.....	219 157	Saturable reactor	323 249
Motor acceleration.....	388 842+	Safety devices (see safety devices)		Tap changing.....	323 255
Motor braking	318 362+	Score boards.....	235 1 B	Transformer systems.....	323 247
Motor making processes	29 596+	Timing type.....	340 309.16	Wheatstone bridge	323 293
Motor reversing	318 280+	Shock apparatus (see shocker)		Wall plug, outlet	439
Motor vehicle	180 65.1+	Cattle goad	231 7	Design	D13 138.1+
Piezoelectric.....	310 311+	Electric chair	128 898+	Watches	D10 30+
Planetary gearing combined.....	475 149+	Fences.....	256 10	Wave analysis.....	324 76.12+
Plural motor control.....	318 255+	Hazard prevention systems	307 326+	Wave guide.....	333 239+
Plural motors	318 34+	Patient protection from shock.....	128 908*	In cathode ray tube	315 3+
Potentiometer controller	D13 125	Practical joke or initiation		In electronic tube	315 39+
Reciprocating motor systems.....	318 119+	ceremony	472 56	Wave resonator	333 219+
Speed control.....	388 800+	Preventing shock	174 5 R	In cathode ray tube	315 4+
Steering gear operator.....	180 443	Preventing shock	361 212+	In electronic tube	315 39.51+
Synchronous motor systems.....	318 700+	Surgical	607 1+	Wave transmission lines & networks	333
Systems.....	318	Therapeutic application	607 115+	Weighing scales	177 210 R+
Textile twisting apparatus	57 100	Trawl net fish control	43 9.6	Welding apparatus	D15 144
Time controlled locks.....	70 271	Signaling, electric (see signal)	340	Whistles	340 404.1+
Toy machinery	446	Noise suppression in signal	128 901*	Wire (see wire, electric)	
Toys	446 484	Radio.....	455	Wire nuts	174 87
Vehicle	446 457	Railway.....	246	Wireless power transmission to a	
Vehicle	D13 112+	Telegraph.....	178	radio receiver	455 522
Motor generators.....	310 113	Telephone.....	379	Motors having	318 16
System	322	Television transmission	348 469+	Radio receiver	455 343.1+
Motors alternating current.....	310 159+	Vehicle mounted.....	340 425.5+	Vehicles having.....	191 10
Music instrument.....	84 600+	Socket (see socket, electric)		Wiring systems	307
Nail hammers.....	227 131	Soldering	219 129	Electric Control Systems	
Needle	606 44	Iron	219 245+	Alarm signal	340 500+
Oil well tubing dewaxer	392 301+	Iron design	D08 30	Annunciators	340 815.4+
Organ (see organ, electric).....	84 600+	With pressure.....	219 85.1	Antihunting	
Orthopedics	602 4+	Space discharge device (see radio;		Generator systems.....	322 19
Oscillators	331	space discharge device;		Motor systems.....	318 448
Outlet box support	248 906*	television)		Motor systems synchronous	318 702
Oven	219 391+	Spark perforating.....	219 384	Battery condition responsive.....	320
Packaging for removable components	206 701+	Recorder	347 161	Coded record sensors	235 433+
Pencil sharpener.....	144 28.1+	Steering motor system	318	Computer controlled, monitored.....	700 286+
Phase control systems	323 212	Sterilizing and pasteurizing		Current responsive	
Photography,electric	430 31+	Apparatus	99 451	Battery charging systems	320
Plant culture	47 1.3	Methods	426 237+	Electronic tube voltage	
Plasma control	376 143	Stove	219 392+	magnitude control systems....	323 291+
Plug (see plug, electric)		Super conductor metal.....	75	Generator systems.....	322 23+
Power conversion systems.....	363	Composite	428 930*	Generator systems.....	322 27
Power supply or regulation systems	323	Surgical instruments	606 32+	Impedance voltage magnitude	

Class Subclass		Class Subclass		Class Subclass	
control systems.....	323 293	Motor systems braking.....	318 369	Cored	313 354
Motor systems	318 474+	Motor systems dynamic braking..	318 379	Joint and connection digest	403 DIG. 5
Motor systems	318 478	Motor systems induction primary		Structure.....	313 326+
Motor systems acceleration	388 847	circuit.....	318 799+	Carbon saver	313 335
Motor systems braking.....	318 367	Motor systems plural motors	318 59+	Cathode making	445 46+
Motor systems speed control	388 823	Motor systems plural motors	318 66+	Wire shaping	140 71.5+
Motor systems synchronous	318 714	Motor systems speed control	318 257+	With assembly.....	445 35
Field winding circuits	318 717	Motor systems speed control	318 268+	Coating	427 58+
Motor systems ward leonard	318 144	Motor systems speed control	388 800+	Collector rings dynamoelectric	310 232
Voltage magnitude control		Motor systems synchronous	318 715	Collector transmission to vehicle	191 45 R+
systems.....	323	Armature winding circuits.....	318 721	Commutators dynamoelectric	310 233+
Direction responsive	340	Field winding circuits	318 719	Condenser	361 271+
Motor systems	318 489	Motor systems ward leonard.....	318 146	Cooking apparatus	99 358
Display systems	345 +	Motor systems ward leonard.....	318 147	Electrical apparatus used to	
Electric sign, matrix.....	345 55	Synchronization	375 356+	separate or purify liquid	204 660+
Electric sign, monogram.....	345 33+	Telegraph systems	178	Electrical connector for	439
Error detector/corrector	714	Telephone	379	Chuck or socket	279
Fluid level responsive		Television	348 61+	Clasp	403 344
Alarm signal.....	340 618+	Thermally responsive		Carbon electrode	403 DIG. 5
Motor systems	318 481	Alarm	340 584+	Interfitted members.....	403 345
Fluid pressure responsive		Battery charging systems.....	320 150+	Mechanical rod joint.....	403
Alarm signal.....	340 626+	Electric heater systems	219 482+	Electrical precipitator.....	96 15+
Battery charging systems	320 320	Generator systems	322 33+	Processes.....	95 57+
Generator systems	322 35	Impedance voltage magnitude		Electroanalysis.....	600 345
Motor systems	388 929*	control systems.....	323 294	Electrolytic chemical apparatus	204 193+
Motor systems	318 481	Motor systems	318 471+	Composition	204 291+
Moisture responsive		Motor systems acceleration	388 934*	Liquid electrode.....	204 219+
Motor systems	318 483	Motor systems speed control	388 934*	Structure.....	204 280+
Motion picture change over	352 135	Signal system.....	340 584+	Supports	204 297.01+
Multiplexing	370	Time or time delay responsive		Electrolytic condenser	361 500+
Musical instrument	84	Battery charging systems	320 +	Electrolytic rectifier	361 436+
Ordnance control data	235 400+	Generator systems.....	322 18	Electronic tube	313 326+
Position or movement responsive		Motor systems.....	318 364	Electronic tube element.....	313 326
Motor systems	318 265+	Motor systems.....	318 447	Electrophoretic or electro	
Motor systems	318 466+	Motor systems.....	318 452+	osmotic	204 600+
Motor systems braking.....	318 369	Motor systems.....	318 484+	Electrophotographic charging	399 168+
Motor systems follow up	318 560+	Motor systems acceleration	388 858	Electrophotographic development	399 222+
Motor systems reciprocating.....	318 127	Motor systems braking.....	388 921+	Electrothermic processes	75 10.1+
Motor systems reversing	318 282	Motor systems induction	318 727+	Consumable metal electrode.....	75 10.23+
Motor systems reversing.....	318 286	Starting	318 778+	Filament making (see cathode)	
Motor systems synchronous	318 715	Motor systems reversing	318 283+	Food treating apparatus	99 451
Armature winding circuits	318 721	Motor systems synchronous	318 700+	Formed as inductive impedance	
Field winding circuits	318 719	Motor systems ward leonard.....	318 141+	electronic tube	315 40
Positional servo systems	318 560+	Voltage responsive		Grid making	445 35+
Robot	318 568.11+	Battery charging systems.....	320	Wireworking	140 71.5
Power factor or phase responsive		Generator systems.....	322 24+	Heating fluid in circuit	392 311+
Generator systems	322 20+	Generator systems.....	322 28	Holders	219 138+
Motor systems	318 437+	Motor systems	318 479	Arc furnace	373 94+
Motor systems	318 438+	Motor systems acceleration	388 847	Arc lamp	403
Motor systems induction	318 729	Motor systems braking.....	318 368	Arc lamp	314
Motor systems synchronous	318 700+	Motor systems induction,		Igniter internal combustion	
Motor systems synchronous	318 700+	primary circuit.....	318 805	engine	123 146.5 R
Phase control systems	323 205	Motor systems speed control	388 822	Igniters.....	361 247+
Power or load responsive		Motor systems synchronous	318 712+	With burner	431 264
Battery charging systems.....	320 +	Armature winding circuits.....	318 720	Immersible electrode in liquid	
Generator systems	322 24+	Field winding induced voltage	318 718	level gauge	73 304 R
Motor systems	318 474+	Motor systems terminal voltage	318 459	Ion sensitive.....	204 416+
Motor systems acceleration	388 844+	Motor systems ward leonard.....	318 145	Lamp.....	313 326+
Motor systems braking.....	318 366	Phase control systems	323 212	Arc composition	252 500+
Motor systems constant load	318 432+	Voltage magnitude control	323 234	Arc consumption feed type	314 60
Motor systems during starting	318 430+	Well bore	340 853.3+	Arc structure	313 357
Motor systems load limitation	318 434	Electric Toothbrush	D04 101	Filament composition	252 500+
Motor systems plural motors	318 98+	Electricians Tools	D08	Filament form.....	313 341+
Motor systems speed control	388 930+	Electrifying Fluid	361 225+	Gas or vapor	313 326+
Motor systems synchronous	318 700+	Electrocardiograph	600 510	Making.....	445
Motor systems ward leonard	318 141+	Electrochemistry	205	Lightning arresters	361 117+
Public address.....	381 82+	Electrodes for apparatus	205	Magnetic chemical apparatus	422 186.01+
Radiant energy responsive		Machining	204 224 R+	Making.....	29 592.1
Electronic voltage magnitude		Processes or apparatus	205	Battery grid filling	141 32+
control systems.....	323	Electrocoating	205 80+	Battery grid of metal.....	29 2
For nuclear reactor	376 215	By cathode sputtering	204 192.1+	Coating electron emissive	427 77+
Generator systems	322 26	By electrophoreses or electro		Condenser electrode	29 25.41+
Heat responsive test	374 32	osmosis	204 471+	Extruding plastic coating	
Motor systems	318 480	Electroculture	47 1.3	apparatus	425 113+
Photoelectric circuits.....	250 200+	Electrocution		Filament wireworking.....	140 71.5
Special ray circuits.....	250 336.1	Animal slaughtering	452 58+	Plastic operation filament	
Rate of change responsive		Chair	128 898+	Plastic operation method	264 104+
Electronic tube voltage		Trap.....	43 98+	Medical diagnostic	600 373+
magnitude control systems	323	Insect.....	43 112	Mercury cathode arc lamp	313 328
Generator systems	322 19+	Electrode		Mercury cathode tubes.....	313 328+
Motor systems	318 456+	Anode making	445 46+	Mercury vapor lamps	313 326+
Robot	700 245+	With assembly.....	445 35+	Metal for arc lamps	313 328
Signal	340	Arc furnace	373 88+	Metal heating	219 119+
Alarm	340 500+	Arc lamp	314	Arc	219 145.1+
Thermal control	340 584+	Composition	252 500+	Work holders	219 138+
Vehicle mounted	340 425.5+	Structure	313 357	Microphone	381 433+
Sound or mechanical vibration		Battery, electro chemical	429 209+	Nernst glower	313 326+
responsive motor systems.....	318 128	Battery,thermo or photoelectric.....	136	Composition	252 500+
Speed responsive		Brush and holder	310 239+	Ozonizers	422 186.07+
Battery charging systems	320	Brushes	310 248+	Perforating recording spark	347 161
Generator systems	322 29+	Carbon		Pressure or vacuum furnace	373 60+
Motor systems	318 461+	Composition for.....	252 502+	Arc furnace with internal	

Class Subclass		Class Subclass		Class Subclass	
atmosphere control	373 68	Electromagnetic Energy		Balancing account	705 68
Arc furnace with internal atmosphere control	373 77	Used in reaction to prepare inorganic or organic material	204 157.15+	Detecting double spending	705 69
Radio tube element	313 326+	Used in reaction to prepare or treat synthetic resin or natural rubber	522 1+	With authentication	705 67
Selectively permeable membrane	204 415	Electromagnetic Flowmeter		Electronic Still Camera	358 909.1*
Self baked furnace	373 60+	Chemical analysis, apparatus	422 82.01	Scanned semiconductor matrix	348 294+
Self-baking	373 89	Electrometallurgy	75 10.1+	Electronic Transactions	
Soderberg electrode	373 97	Electrometers	324 76.11+	Using cryptography	705 64
Spark plug	123 169 EL	Chemical analysis, apparatus	422 82.01	With intelligent token	705 65
Sterilizer or pasteurizer	426 237+	Electrostatic	324 109	Balancing account	705 68
Storage batteries	429 209+	With amplifier	324 123 R	Detecting double spending	705 69
Making	29 623.1+	Electron (See Electric; Space Discharge Device)		Initializing or reloading	705 66
Paste mixtures	429 149+	Apparatus for treating with	250 492.1	With authentication	705 67
Surgical	128 849	Beam	430 942*	Electronic Tube (See Electric Space Discharge Device)	
Guide means	606 129	Beam tube amplifier systems	330 44+	Acorn type	313
High frequency therapy	607 154+	Counter	250 472.1	Battery type	313
High frequency therapy	600 13+	Electron spin resonance testing	436 173	Bias supply	327 530+
Instruments	606 32+	Emissive coating	427 77+	Gas tube system	315
Tip cleaner for	314 23	Microscope	250 311	Power packs	307 150
Welding	219 145.1+	Multipliers		Rectifier system	363 117+
Electrodeposition	205 +	Amplifier systems	330 42	Voltage divider	307 15
Laminating combined	156 150+	Photomultipliers	313 523+	Voltage regulation	363 117+
Metals	205 +	Systems	327 573	With voltage regulation	363 111+
Electrodynamometers	324 144+	Tube structure	313 103 R+	Interelectrode capacitance testing	324 409+
Electromagnetic brake	310 92+	Optics		Metal type	313 248
Electroencephalograph	600	Tube structure	313 441+	Metal envelope as electrode	313 246+
Electroetching	205 640+	Ray tube	313 107.5	Miniature	313
Electroforming		Tube	D13 180	Mixer	313 300
Molds or strip plates	204 281	Twin indicator	313 107.5	Pencil type	313
Processes	205 67+	With current connections	315 382.1	Ruggedized	313
Electroliters	362 405+	Electronic & Electronics (See Electric, Radio, Television, Wave Energy)		Subminiature type	313
Electroluminescent		Auctions	705 37	Electronic Watermark	
Stock material	428 917*	Cabinet ventilation	454 184	To prevent copying of business data distribution	705 58
Type face design	D18 26	Compositing system	348 578	Electrooptical	
Electrolysis	205	Computer controlled, monitored item	700 286+	Batteries	136 243+
Hazardous or toxic waste destruction	588 301+	Cooker	99 358	Cathode ray tube system	315 1+
Electrolytes	205	Funds transfer	705 39	Cathode ray tubes	313 441+
Battery	429 188+	Requiring authorization	705 44	Diagnostic lamps	600 249
Circulation	429 51	To pay bills	705 40	Illuminated signs	40 541+
Condenser or rectifier	252 62.2	Using an atm	705 43	Lamps	313
Conductivity tester	324 438+	With paper check handling	705 44	Light sensitive circuits	250 206+
Drain	429 95	With programmed portable memory device	705 41	Electric lamp control	315 149+
Feeding control	429 63	Negotiation, using cryptography	705 80	Musical instrument	84 639+
Fuel cell		Price label	705 20	Photocell	
Solid	429 30+	Heating		Battery type	136 243+
Moveable means	429 70	Capacitive	219 764	Electronic tube type	313 523+
Non movable means	429 81	Inductive apparatus	219 600+	Phosphor screen	313 525+
Two-fluid	429 101	Microwave	219 678+	Resistance type	338 15+
Electrolytic		Music instrument	84 600+	System discharge device control	315 149+
Analogous computer	235 61 R	Organs	84 600+	Systems	250 200+
Apparatus	204	Piano tuning	84 454	Photographic telegraph recorder	178 15
Apparatus and method	205	Receiving tubes	313	Code recorder receiver	178 90
Bleaching of organic material	205 700	Switch	327 365+	Photometers	356 218+
Fibrous	205 690	Voltage regulation	323	Recorders	
Circuit controller	361 435+	Electronic Cash Register (Ecr) (See Point of Sale Terminal)	705 16+	Electrochemical	347 163+
Cleaning of metal or metal alloy	205 705+	Calculating tax	705 19	Photographic	346 107.2
Condenser or rectifier	361 500+	Coupon redemption, electronic	705 14	Radiant energy	365 106+
Electrolyte	252 62.2	For food		Recording or reproducing sound	369 100+
Manufacture	29 25.01+	Portable	705 15	Signalling	398 1+
Electrodeposition	205 80+	Self-ordering by customer	705 15	Sound recording and reproducing	369 100+
Alloys	205 238+	Tabulating orders of individual items	705 18	Surgical and medical	607 1+
Multiple layers	205 170+	With video screen for order confirmation	705 15	Television	348 207.99+
Meters	324 94	Multiple, interconnected, and/or controlled by host	705 21	Ultraviolet application	250 365+
Processes (and some products)	205	Purchase with debit or credit card	705 17	X ray tubes	378 121
Recorder	347 163+	With inventory monitoring	705 22	Electroosmosis or Electrophoresis	
Synthesis	205 334+	With monitoring capabilities		Apparatus	204 600+
Tank for determining equipotential lines	235 61 R	Amount of cash in drawer	705 18	Immunoelectrophoresis	436 516
Electromagnet (See Magnet)	335 209+	Inventory	705 22	Processes	204 450+
Armature and	335 220+	Tabulating of orders of items	705 18	Electrophotography Apparatus	399
Brake	310 93	Tracking accumulating sales tax	705 19	Chemical processes and materials	430 31+
Brake operator and brake	188 161+	Electronic Checkbook	705 33	Electroplating	
Chemical apparatus	422 186.01+	Electronic Commerce (See Commerce)		Apparatus	204 194+
Object protection	422 186.02	Electronic Funds Transfer		Metal working with	29 DIG. 12
Clutch	310 92+	At point of sale terminal	705 17	Processes	205 80+
Control for consumable electrode	314	Theft prevention	705 18	Electropneumatic Action in Organs	
Deflecting arc in lamp	313 153+	Using a central clearinghouse	705 17	Automatic	84 88
Electric switch	335 2+	Verification of pin	705 72	Pipe organs	84 338
Handling implements	294 65.5	Electronic Journal Output	705 24	Swells	84 347
Liquid separation or purification	210 222+	Electronic Price Label (Epl)	705 20	Electropolishing	205 640+
Process	210 695+	Electronic Purse	705 41	Electroporation	435 173.6
Making methods	29 602.1	Initializing or reloading	705 66	Electroprinting	205 52+
Moving consumable electrode	314	Using cryptography	705 65	Electroscopes	324 109
Pickup for musical instrument	84 725	Electrostatic (See Separator, Solids)		Radiation measuring type	250 390.01+
Relay systems	361 160+	Assembly apparatus or process	29 900*	Electrostatic (See Separator, Solids)	
Relay systems switching	361 160+	Coating	118 620+	Control	118 671
Surgical	600 9+	Control	118 671	Gas separator	96 15+
Switching systems using	361 160+	Processes	95 57+	Induction generators	310 309+
Systems of supply to	361 160+				
Torque device	310 92+				
Tuner operated by	334 17+				

Class Subclass		Class Subclass		Class Subclass	
Measuring and testing	324 327	Emergency		Endless Belt Conveyor (See Conveyor, Endless)	
Printing using	101 DIG. 37	Closure release	49 141	Endodontic Apparatus	433 81
Spraying	239 690+	Draft coupling janney type	213 111+	Method or material for testing	
Electrosynthesis	205 334+	Elevator cable	187 348	treating, restoring, removing	
Electrotherapeutic		Exit door securer with lock	70 92	natural teeth	433 224
Apparatus	607 1	Gear for aircraft water landing	244 107	Endoradiosonde	600 302
Electrothermic Processes, Metallurgy	75 10.1+	Kits, eg flare, first aid, survival		Endoscope	
Consumable metal electrode	75 10.23	Lock release	70 465	Diagnostic specula	600 101+
Electrical induction	75 10.14	Nuclear reactor	976DIG. 375+	Surgical cutter	606 45
Gaseous treating agent	75 10.39	Operating means for closure bolt	292 92+	Endosmosis	210 649+
Plasma	75 10.19	Multiple bolt	292 21	Enema, Receptacle for Syringe	206 364
Solid treating agent	75 10.39	Railway car exits	105 348+	Energy Accumulating Means, Motor Vehicle	180 165
Volatilization of metal	75 10.29	Release for clockwork lock		Engine (See Motor)	
Electrotype		operating mechanism	70 274	Air steam	60 39.181+
Manufacture of	205 69	Resilient tires	152 152	Ammonia	60 509+
Elevator (See Lifters)	187	Signal stations railway train		Externally applied heat with	60 644.1
Aircraft control	244 75.1+	dispatching	246 13	Boring cylinder	408 709*
Amusement	472 131	Uncoupling device for janney type		Carbonic acid	60 509+
Roundabout	472 2	coupling	213 160	Compound	
Artificial intelligence (see artificial intelligence)		Emergency Power Sources, Electric		Fluid pressure and turbine	60 698+
Automobile lift or hoist	269 58+	Ac dc converter	327 531+	Internal combustion engine and...	60 597+
Bucket	198 701+	Battery		Combustion products	60 39.01+
Butchering	452 178	Dry	429 163+	Fluid pressure	60 597+
Caster leg	16 32+	Storage	429 149+	Turbine	60 598+
Catch device	187 351+	Dynamotor	310 113	Motive fluid reheater between	60 679+
Design	D34 28+	Electric motor	318 17	Motors in series	60 715+
Disabled individual	187 200+	Generator	310 310	Multiple expansion chambers	91 152+
Door	187 313+	Generator system, portable	322 1	Plural pneumatic	60 407+
Control	187 316+	With prime mover	290	Compressed air	91
Drying apparatus	34 189+	Lighting systems	315 86	Demonstrating and teaching	434 389
Sheet	34 612+	Flashlights	362 208	Dental	433 103+
Electric control	187 277+	Generator motor	363	Design	D15 1+
Electric motive power	187 289+	Portable	315 33	Ether	60 509+
Extensible fire escape type	182 63.1+	Self-powered lamps	362 157	Expansible chamber	91
Manual extending means	182 67.1+	Emery	51 309	One shot explosion actuated	60 632+
Motor extending means	182 66.2	Wheels	451 541+	External combustion	60 39.6+
Fish	405 82	Disc	451 548+	Fire	169 24
Floating dry dock	114 48	Emetine	546 96	Fire escape	182 63.1+
Floor hatch	187 336+	Emissivity		Gas air	60 39.19+
Grain storage type	52 245+	Compensated radiation thermometer	374 128	Gunpowder	123 24 R
With material port	52 192+	Measurement	374 9	Hand crank starter	74 550+
Guide	187 406+	Empennage	244 87+	Heat exchanging	165 51+
Hanging door wheel mounts	16 99	Emptying (See Discharging)		Hot air	60 508+
Lighting on steps	362 481	Emulsifying (See Art Use Classes)		Expansion of medium	60 516+
Material handling	414 592+	Bituminous-in-water	516 38+	Externally applied heat	60 643+
Mortar mixer combined	366 26	Oil-in-water	516 53+	Internal combustion engine	123
Platform type scaffold	182 141+	Water-in-oil	516 22+	Combustion charge forming	123 434+
Power driven conveyor type	198	Emulsion (See Art Use Classes)		Cooling	123 41.01
Railway	104 127+	Biocidal	514 937*	Design	D15 1+
Refrigerated article	62 378	Bituminous coating	106 277	Excess air to assist exhaust	60 900*
Process	62 63	Bituminous-in-water	516 38+	Exhaust treatment of rotaries	60 901*
Refrigerator ice	62 379	Breaking		Lubricators	123 196 R
Screw	198 657+	Agents for	516 135+	Nozzle	239 584+
Self loading vehicle	414 486+	Mineral oil chemical treatment	208 188	Oil by-pass heat exchange	165 283
Shaft closure operators	49 68	Combined	208 188	Oil by-pass heat exchange	165 297
Signal or call unit	D10 108	Processes	516 135+	Pump drive	417 364
Skeleton towers metallic	52 111+	Cellulose ether or ester	106 139.1+	Refrigeration utilizing	62 323.1
With platforms	182 141+	Fuel	44 301+	Rotary piston	123 200+
Spiral	198 778+	Herbicide containing	504 363	Rotary reactor, separator or	
Store service type	186 22+	Oil-in-water	516 53+	treater of exhaust	60 902*
Ellagic Acid	549 278	Photographic	430 495.1+	Speed regulator	123 319+
Ellipsograph	33 30.1+	Synthetic resin or natural rubber		Speed responsive throttle	60 906*
Flexible cord type	33 30.5	(see class 523, 524)		Temperature measurement	374 144+
Pattern follower type	33 30.3	Water-in-oil	516 22+	Locomotive	105 26.05+
Pivoted circular pattern type	33 30.2	Enamel	501 14+	Microwave	60 203.1
Elongated-Member-driving Apparatus	227	Opacifiers for	106 312	Muffler for hobby craft engine	181 404*
Embalming	27 21.1+	Enameling	427	Plural motors system	60 698+
Compositions	424 75	Polymerization of coating		Power plant	60
Embalming equipment or apparatus	D24	utilizing electrical,		Prime mover dynamo plant	290
Infusion or evacuation pump	D24 111	magnetic, wave, or		Pulp refining	241
Table	D24 183	particulate energy	427 487+	Reaction motor	60 200.1+
Emblem or Badge (See Medal)	D11 95+	Metal working with	29 DIG. 14	Signal systems ships	116 21
Embossing (See Impressing; Indenting)	1013.1+	Encapsulation of Material		Solar	60 641.8+
Embossing implement	D18 15+	Gaseous core	521 76	Starter gearing	74 6+
Laminating fabrics with	156 219+	Hazardous or toxic waste		Steam	91
Plastics	264 293	containment	588 249+	Design	D15 2
Tobacco plugs	131 111+	Liquid core	264 4	Steam traction	180 36+
Typewriting machines	400 127+	Using emulsion or dispersion		Strap starter	74 139+
Woodworking methods	144 358	process	264 4.1	Testing	73 112.01+
Embrittlement Test	73 86	Solid core	427 213.3	Toy	446
Embroidering		Encoder Communicating Switch-Type	318 602	Valve gear (see valve, actuation)	
Sewing machine	112 78+	Encryption (See Cryptography)		Washing machine system	60 908*
Presser device feature	112 236	For financial information and	705 18	Engineering	
Embroidery	112 439	personal purchases	705 18	Artificial intelligence	706 932*
Design	D05	End		Engineering Hydraulic and Earth	405
Hoops	38 102.2	Gate	160	Hazardous or toxic waste	
Machinery	D15 66+	Ship dry dock	114 47	containment	588 249+
Packages	206 49	Vehicle body	296 50+	Engraving	
Processes	112 475.18+	Matching woodworking	144 91	Equipment design	D18 57
Trimmer cutter	83 910*	Sleeves for electric conductors	174 93		
Embryotome	606 126	End Effector	901 30+		

Class Subclass		Class Subclass		Class Subclass	
Photographic process.....	430 269+	Brush combined	15 105.52	Esters	260
Plate cutting.....	409 79+	Cutter e g., pencil		Carboxylic acid	560 1+
Printing.....	101 150+	sharpener combined	15 105.53	Hydrophenanthrene	
Stippling	72 76	Mechanical.....	15 3.53	nucleus containing.....	560 5+
Tools	30 164.9	Ruler combined	15 105.51	Cellulose	536 58+
Enhancer	536 24.1	Sharpener pencil combined	15 105.53	Nitrogen containing	536 30+
Enlargers Photographic	355 18+	Mutilating type and burnisher	7 124+	Higher fatty acid	554 1+
Ensilage Compaction	100 65+	Scraper type mutilating	30 169+	Resin acid	530 200+
Enteric Coating of Medicinal Tablets	424 475+	Shield	451 445	Free acid.....	560 5+
Entrails Removing	452 106+	Typewriter attachment	400 695+	Rosin acids.....	530 215+
Entrenching Earthworking Apparatus	105 161	Ergolines	546 67+	Starch	536 107+
Envelope (See Bulb; Casing)		Ergometer With Feedback	482 900*	Nitrogen containing	536 48+
Battery plate separator	429 136+	Ergosterol	552 547+	Sulfate	558 20+
Closures	229 76+	Ergot Alkaloids	546 67+	Tall oil acids.....	530 232
Cutting blank form	83 911*	Erosion Preventing	405 15+	Thiocyanic acid.....	558 10+
Feeding or delivering	271 2	Mineral oil conversion combined	208 47	Estradiol	552 625
Making	493 186+	Error		Estradiol, in Drug	514 182
Sealing and stamping combined	156 442	Checking, electrical	714	Estrenes	552 642+
Tear strip opener	493 923*	Arithmetic operations	708 530+	Estriol	552 617
Window	493 919*	Communications synchronization	714 798	Estrone	552 625
X-art collection	493 917*	By error rate or count	714 707	Estrous Cycle Monitoring	600 551
Manifolding		Data processing systems, general	714 1+	Etching	216 +
Leaf combined	462 64+	Memory devices	714 718+	Apparatus	134
Strip connected	229 69	Of data per se	714	Bright polishing	216 100+
Moistening and sealing	156 441.5+	Program, software	714 38+	Composition	252 79.1+
Opener	83 912*	Correcting circuit	714 746+	Differential apparatus.....	156 345.1+
Design	D08 102+	Correcting storage on typewriter.....	400 6	Direction indicator combined	33 305+
Paper	229 68.1+	Detecting	714	Electrolytic	205 640+
Design	D19 3+	In digital data processing		Stripping elemental layer from	
Environmental Impact or Decreasing		systems	714 48	metal or metal alloy.....	205 717+
Pollution	422 900*	Positional servo systems	318 638	Electrolytic coating combined	205 210+
Hazardous or toxic waste		Prevention means on communication		Glass	216 31+
destruction	588	keyboards	341 24+	Glass	216 80+
Enzyme	435 183	Erysodine	546 72	Glass	216 97+
Enzyme or microbe electrode	435 817*	Erysonine	546 72	Glass with glass working	65 31
Fruit juice treatment	426 51	Erysothiopine	546 72	Metal working with	29 DIG. 16
Medicinal compositions	424 94.1+	Erysothiovine	546 72	Photo	430 299+
Separation or purification	435 814*	Erysoitrine	546 72	Multicolor printing surface	430 301
By sorption	435 815*	Erysovine	546 72	Resist (etching)	216 41+
Ignition, internal combustion.....	435 816*	Erythraline	546 48	Semiconductor	438
Tobacco treatment.....	131 308	Erythramine	546 48	Semiconductor photoetching	430 313
Epaulet	2 246	Erythratine	546 48	Sputter etching	204 192.32
Badge type	40 1.5+	Erythritol	568 853+	Ethanol (See Alcohol)	568 840+
Epdm (See Synthetic Resin or Natural Rubber)		Erythroidine	546 66	Beverages containing	426 592+
Ephedrine	564 364	Erythromycin	536 7.2+	Dehydrating	203 19
In drug	514 653	Escalator	198 321+	Ethers	568
Epicycle		Design	D34 30	Cellulose	536 84+
Land vehicle occupant propelled.....	280 207	Escape		Nitrogen containing	536 43+
Railway		Acetylene generator automatic		Cyclic hetero-o-type	549 200+
Drive wheel	105 100	safety	48 56	Oxy	568 579+
Wheel	295 3	Fire	182	Phenol	568 630+
Epicyclic Gearing	475	Endless conveyor.....	182 42+	Thio	568 38+
Episcope	353 65	Single strand stile or pole	182 189+	Vinyl	568 687+
Episcotister		Tower or chute	182 48+	Ethers, Crown	549 347+
Photometer	356 217	Gas holder high pressure safety.....	48 175	Ethyl	
Epon T M (See Synthetic Resin or Natural Rubber)		Submarine	114 323+	Acetate	560 265
Epoxide Resin (See Synthetic Resin or Natural Rubber)		Escapement		Cellulose not plastic	536 100+
Epoxy Compounds	549 512+	Clock and watch structure	368 124+	Formate	560 265
Equalized and Equalizing		Clock electric driving type.....	368 131	Nitrite nitrous ether	558 488
Animal draft	278 3+	Clock electric driving type.....	968 496+	Ethylene (See Olefin Hydrocarbon)	
Horses abreast.....	278 5+	Electrode feed	314 82	Ethylene diamine tetraacetic acid	562 566
Animal powered sweep	185 22	Gong striker	116 161+	Glycol	568 852
Bed bottom	5 278	Mechanical clocks	968 95+	Polymer	526 352
Brake position adjusters.....	188 204 R	Meter electric	324 139	Synthesis	585 500+
Dumping vehicle hopper door		Motor	74 1.5	By cracking	585 648+
closing	298 37	Motor composite with	185 5	Urea	548 316.4+
Extension table	108 87	Motor spring with	185 38	Ethyleneic Monomers	
Hot air furnace	126 105 R	Motor weight with	185 31	Solid polymer solely therefrom.....	526 72+
Locomotive	105 82	Music leaf turner	84 498+	Etiocolanic Acids	552 610+
Railway brake series	188 46	Testing in clocks	968 760	Eucalyptol	549 397
Railway motor torque	105 135	Type casting machine	199 23	Eudiometers	73 23.2+
Railway truck	105 209	Typewriter feed mechanism	400 319+	Eugenol	568 652
Bogie	105 194	Typewriter line locks	400 672+	Euphoniums	84 402
Sectional cabinet closure.....	312 110	Escutcheon	D08 350+	Eurhodines	544 347+
Serial valves dependent motion	137 613+	Bushings or lining thimbles.....	16 2.1+	Eutectic, Refrigeration Utilizing	62 430+
Direct response	137 512+	Covers or face plates	220 241	Automatic	62 139
Stop	137 629+	Design	D08 350+	Process	62 59
Trolleys for single rail		Electrical apparatus	174 66+	Evacuated Chamber	
suspended car.....	105 152	Fluorescent or phosphorescent		Means to introduce material into.....	414 217+
Vehicle fender car and truck	293 14	apparatus	250 466.1	Means to seal chamber	414 292
Vehicle running gear frame	280 104	Design	D08	Evacuating Receptacles	141 65
Equatorial Telescope	359 430	Door knob handle or rose plate.....	292 357	Air displacement in filling	
Equilin	552 625	Fluid handling	137 377+	receptacles	141 59
Eraser	15 424+	Key operated lock	70 452	Successive receptacles	141 65
Abradant type mutilating.....	451	Pipe joint	285 46	Apparatus	141 65
Blackboard.....	15 208+	Radio plate for	D14 257	Electric lamp etc manufacture.....	445 38+
Blade type	30	Television, plate for.....	D14 239	Apparatus	445 73
Design	D19 53+	Wall outlet with	D13 137.1+	Combined operation methods	445 56+
Disintegrable type	15 424+	Espalier	D25 100	Methods.....	445 53+
		Esr, Electron Spin Resonance	436 173	Food preserving	426 404+
		Essential Oil	512 5	Storage receptacle.....	99 472
		Biocides containing.....	424	Gas filling combined	141 66

Class Subclass		Class Subclass		Class Subclass	
Hermetic closing of filled receptacle, method.....	53 403+	Electrocuting.....	43 112	Gate valve faces.....	251 193+
Radiant energy tubes.....	313 553+	Exercising		Hoof and shoe.....	168 47
Having heating means.....	313 549	Animal.....	119 702+	Joints (see device incorporating)	
Evaginated Shoe	12 142 A	Arm wrestling.....	482 905*	Liquefied gas fuel as refrigerant.....	62 7
Sole attaching means.....	36 17 A	Devices.....	482	Mandrels.....	269 48.1
Evaluation		Adjustable.....	482 908*	Chuck.....	279 2.01+
Job performance of employees.....	705 11	Breathing improvement.....	482 13	Lathe work mount.....	82 169
Evaporator		Ergometer with feedback.....	482 900*	Winding reeling device.....	242 571+
Boiler.....	122	Field sports.....	482 14+	or unwinding.....	242 407.1
Cabinet combined.....	312 31.1+	Having computer circuitry.....	482 901*	Metal making.....	29 6.1
Concentrating.....	159	Having mechanical indicator.....	482 909*	Article.....	428 596+
Spray type.....	159 3	Home furnishing attached.....	482 904*	Orthodontic.....	433 7
Gaseous current.....	159 4.1+	Home structure attached.....	482 904*	Pipe expanders.....	72 393
Gas and liquid contact apparatus		Isometric.....	482 91	Methods of joint expanding.....	29 890.044
Porous mass.....	261 94+	Roundabout.....	472 1+	Piston ring.....	277 467+
Porous sheet.....	261 100+	Stretching.....	482 907*	Piston ring applier.....	29 222+
Making.....	29 890.07	Weights.....	482 93+	Reamer.....	408 227+
Oil combustion engine.....	23 522	Wheelchair attached.....	482 904*	Earth boring type.....	175 263+
Refrigerator.....	62 515+	Kinesitherapy.....	601 23+	Refrigeration by.....	62
Automatic.....	62 216+	Light thermal and electrical		Sheet metal shaping die.....	72 393
Defrost water by heater.....	62 275+	application combined.....	607 77+	Tube cutter.....	30 103+
Defrost water by refrigerator		Music.....	84 465+	Wheel felly.....	157 9
heat.....	62 279	Opponent-supplied resistance.....	482 906*	Expansible Cabinets	312 205
Making.....	29 890.035	Poultry feeding combined.....	119 70	Expansible Chamber Devices	92
Sugar manufacture.....	127 16	Exfoliation		Expansion (See Expander)	
Ventilator		Cereals.....	426 449+	Engine, refrigeration producer.....	62 402+
Building.....	454 337	Compositions.....	252 378 R	Automatic.....	62 172
Rail-car, bus or trailer.....	454 110	Decorticating.....	19 5 R+	Liquefied gas producing.....	62 621+
Evaporometer	374 39	Seed or seed parts.....	241 6+	Process.....	62 86
Evener		Stone.....	125 23.01+	Joints	
Animal draft vehicle equalizer.....	278 13	Exhaust (See Evacuating Receptacles)		Between articulated members....	403 52+
Horse detacher.....	278 32	Mufflers.....	181 212+	Bridge.....	14 73.1
Grain harvesters, head or butt.....	56 468	Design.....	D12 194	Building.....	52 396.01+
Textile loom, dobby.....	139 74	Operated		Distillation apparatus.....	202 268
Eviscerating	452 106+	Brakes.....	188 154	Flexible diaphragm or bellows....	403 50+
Excavation (See Digger)	37	Pipe making.....	29 890.08	Fluid distributor nozzle.....	239 397.5
By nuclear explosion.....	976 DIG. 425	Horns and whistles.....	116 138	Heat exchanger.....	165 81+
Caisson.....	405 272	Recirculation.....	123 568.11+	Pipe.....	285 298+
Pressurized.....	405 8+	Silencers.....	181 212+	Resilient building.....	52 313
Clamshell buckets.....	37 461	For internal combustion engines..	60 272+	Static mold forming.....	249 9
Ditch filler.....	37 142.5+	Steam engine.....	60 681+	Plug	
Ditchers.....	37 347+	Treatment		Metallic receptacle.....	220 233+
Dredgers.....	37 307+	Combustion device feed in.....	60 683	Pipe.....	138 89+
Hazardous or toxic waste		Combustion engine.....	60 272+	Reeds warp preparing.....	28 213
containment.....	405 129.1+	Excess air to internal		Valve, refrigeration utilizing.....	62 527+
Land clearer.....	37 301+	combustion engine.....	60 900+	Automatic.....	62 222+
Mine ventilation.....	454 168+	Serially connected motors.....	60 679+	Expenses	
Mining or quarrying with		Furnace.....	432 67+	Accounting, computer controlled....	705 30
separating.....	299 7	Furnace, metallurgical.....	266 144+	Tax preparation.....	705 31
Orange-peel buckets.....	37 182+	Furnace, solid fuel.....	110 203	Time-based billing.....	705 32
Railway graders.....	37 104+	Motors.....	60 685+	Expert System Shell	706 60
Railway snow excavators.....	37 198+	Rotary engines.....	60 901*	Expert System Tool	706 60
Road grader type.....	37 381+	Exhauster (See Evacuating Receptacles)		Exploring	
Roadway snow excavators.....	37 196+	Filled receptacle cooking		Borehole and drilling study.....	73 152.43+
Self-loading vehicles.....	37 304+	apparatus.....	99 359+	Depth sounding.....	73 290 R+
Shoring or bracing.....	405 272+	Heating etc gas making apparatus...	48 173	Electro-acoustic.....	367 99+
Snow excavators & melters.....	37 227+	Water closet tank outlet siphon.....	4 368+	Sound.....	181
Stone remover.....	37 303	Exhibiting		Diagnostics medical.....	600 300+
Stump and removers.....	37 302	Cards pictures and signs.....	40	Earth boring.....	175 50
Tunnel excavating.....	299	Design.....	D20 10+	Electrical.....	324
Tunnel ventilation.....	454 166+	Design display card.....	D20 40	Electrical ore testing.....	324 376
Excavator		Check controlled.....	194	Meteorology.....	73 170.16+
Dipper.....	414 690+	Dispensing combined.....	222 23+	Radar.....	342 191+
Force pump.....	37 342+	Gem setting feature.....	63 30	Radiosonde.....	340 870.01+
Pipe and cable laying combined....	405 154.1+	Indicator combined.....	116 307	System.....	340 870.1+
Screw.....	175 394+	Exhibitor		Sound.....	181
Suction pump.....	37 317+	Cabinet with.....	312 234	Explosion Control	
Excelsior		Exit		Acetylene generator.....	48 56
Making.....	144 185+	Bee hive.....	449 20+	Blast or cupola furnace.....	266 174
Package filling.....	493 967*	Door lock.....	70 92	Blowout plugs, frangible or fusible..	220 89.1
Exchange	65 30.13+	Fire escape chute.....	182 48+	Containers of inflammable	
Heat.....	165	Insect.....	160 12+	substances.....	220 88.1+
Mortar mixers having.....	366 22+	Railway car		Davy lamp or wire gauze protected	
Processes.....	366 4	Control.....	105 341+	Dry cleaning and laundry apparatus..	68 209
Temperature regulation.....	236	Emergency.....	105 348+	Drying apparatus.....	34 558+
Tobacco smoking device.....	131 194+	Stratifier discharge.....	209 494+	Gas cooking stoves.....	126 42
Telephone.....	379	Expanded Metal	52 670+	Gas distribution.....	48 192
Execution Devices		Making.....	29 6.1	Gas holder high pressure safety	
Electric chairs.....	128 898+	Expander and Expanding		escape.....	48 175
Medicators.....	604 19+	Anchor.....	411 15+	Internal combustion engines.....	123 24 R
Poisons.....	424	Expanding or piercing earth.....	52 155+	Milling or grinding apparatus.....	241 31
Surgical instruments.....	606 1+	Boiler formers.....	72 393	Mine safety systems.....	299 12
Trap animal		Boring head cutter.....	408 199+	Safes and bank protection combined	109 26+
Choking or squeezing.....	43 85+	Building component.....	52 67	Turbines.....	60 793+
Electrocuting.....	43 98+	Cereals.....	426 449+	Water back.....	126 35
Everset.....	43 64+	Apparatus.....	99 323.4+	Water elevators.....	417 73+
Explosive.....	43 84	Collapsible taps.....	408 147+	Explosive (See Ammunition; Bomb;	
Impaling or smiting.....	43 77+	Exfoliated composition.....	252 378 R	Engine; Gun)	102
Self reset.....	43 73+	Face plate railway car.....	105 10+	Anchors.....	114 295
Trap insect		Felly.....	157 9+	Article molding or shaping.....	264 3.1
Adhesive.....	43 114+	Gas liquefying and separating.....	62 621+	Extruding.....	264 3.3
		Processes.....	62 621+	Forming or treating particulate	

Explosive		INDEX TO CLASSIFICATION - E		Eyeshade	
Class	Subclass	Class	Subclass	Class	Subclass
material	264 3.4+	Electric contact arc prevention	361 2	Hydrostatic extrusion	72 711*
Rolling to form sheet or rod	264 3.2	Extinguishing composition	252 2+	Eye	
Bag to contain explosive powder	102 282	Fire	169	Artificial	623 4.1+
Cap mechanical gun combined	124 2	Design	D29 125+	Contact lenses	351 160 R+
Carbon preparation process	423	Fluid type for burner	431 145	Cup	D24 120
Charge making	86	Furnace fire	169 54+	Deformity correction	606 204.25
Comminution or puffing		Ash pan	110 171	Doll	446 392
Apparatus	241 301	Inflammable fluid containers	169 66+	Movable	446 343+
Cereals apparatus	99 323.4+	Signalling system electric	340 289	Dropper	604 295+
Cereals processes and products	426 625+	Tobacco ash receiver combined	131 235.1+	Design combined with bottle	D09 723+
Processes	241 1	Tobacco product combined	131 347	Design combined with closure	D09 447
Vegetable processes	426 445	Extracting and Extracts (See Material Recovered)		Dispenser combined	222 420+
Compositions	149	Apparatus	422 261+	Syringe	604 295+
Devices	102	Beverage	99 279+	Examining & testing instruments	351 200+
Narcotic containing	102 512	Mineral oil	196 14.52	Design	D10 46+
Safes & bank protection combined	109 36+	Sugar	127 3+	Objective	351 205+
Earth boring	175 2+	Textile treating fluid combined		Subjective	351 222+
Fuses primers and igniting devices	102 200+	with treating	68 19+	Test charts and targets	351 239+
Impact driven fastener, eg nail	411 440+	Biocidal	424	Exercising	601 37
Making apparatus	422 163	Distillation combined		Optometers	351 205+
Material incinerator	110 237	Retort	202 107	With testing	351 203
Material treating	264	Separatory processes	203	Forming	
Metal deforming x-art	72 706*	Still	202 170	Chain making	59 21
Metal forming	72 56	Still with	202 168+	Wireworking	140 104
Mining	299 13	Thermolytic processes	201	Hook and eye fastener	24 698.1+
Operated assembling apparatus	29 254+	Dye compositions	8 438	Design apparel	D11 208+
Operated one shot motor	60 632+	Dyes natural	8 646	Design hardware	D08 367+
Operator		Food	426 655	Relatively movable hook	
Assembling device	29 254	Chocolate	426 631+	portions	24 598.4+
Metal deforming device	72 430	Chocfee	426 594	Sewing machine attaching	112 105
Well tube perforator	175 2+	Coffee substitute	426 596	Interlocking wire machine	140 114
Power plant x-art	60 914*	Coffee substitute from fruits		Neck yoke	278 125
Testing	73 35.14	or vegetables	426 594+	Nose grips	351 132
Thermic compositions or charges	149	Condiments and flavors	426 650	Integral with bridge	351 131
Well		Hop	426 600	Pince-nez	351 71+
Apparatus	166 63	Malt	426 64	Photography	396 18
Processes using	166 299	Meat	426 656	Testing instruments	351 206
Torpedoes	102 301+	Pectin	426 655	Pieces for optical instruments	359 600
Tubing perforator	175 2+	Sea food	426 655	Protecting masks	2 10+
Exposure		Tea	426 435	Design	D16 301+
Camera		Inorganic materials	423 210+	Protectors for animals	54 80.2
Automatic control system	396 213+	Actinide series compounds	423 249+	Design	D30 144+
Electrophotographic copier	399 177+	Crystallization combined	23 299	Shields	
Meter	356 213+	Crystallization selective		Electric welder s hood combined	219 147
Expressing		combined	23 297	Thill coupling	278 77+
Butter and cheese cutter combined	425 308+	Medicinal animal	424 520+	Toy figure	446 392
Butter worker combined	425 200+	Mineral oils	208 311+	Treating	
Die		Conversion combined	208 46+	Douches	604 295+
Block and earthenware	425 308+	Ores and metals	75 711+	Electrically	607 141
Block and earthenware	425 325+	Organic materials		Exercising	606 204.25
Metal including powdered	72 253.1+	Algins	536 3	Medicine	424
Mold core making	164 174	Alkaloids cinchona	546 134+	Vision testing & correcting	351
Particulate metal	419 67	Alkaloids opium	546 44+	Eye Bolt, Making	29 7
Pastry and confections	99	Alkaloids tobacco	546 279.4	Eye Glasses	351 41
Pastry and confections	425	Alkaloids undetermined		Anti-glare or shading	351 44
Plastic molding	425 381.2	constitution	546 1	Bridge	351 133
Soap molding	425 308+	Esters carboxylic acid	560 1+	Cases	206 5+
Soap molding	425 325+	Fats fatty oils ester type		Design	D03 265
Drying combined	34 70	waxes higher fatty acids	554 8+	Cleansing compositions	510 163+
Presses	100 104+	Glycosides	536 18.5+	Contact lens	351 160 R+
With heater	100 92+	N-glycosides	536 2+	Contact lens fitting	351 247
Expression Mechanism Musical		Pectins	536 2	Correctors	351 140+
Applying expression lines to		Synthetic resins from plant		Design	D16 300+
record	84 463	extract	528 1+	Eye shields attached	2 13
Automatic pneumatic expression		Tannins	560 68+	Fitting apparatus	351 200+
mechanism for automatic pianos	84 33+	Sugar	127 43+	Gages for	33 200
Automatic stringed instrument		Tanning	8 94.32	Hinge	16 228
pneumatic action	84 33+	Aluminum compound combined	8 94.3	Holder	248 902*
Electric organs	84 626	Tobacco	131 297	Design	D03 266
Electric organs	84 662	Extractor (See Wringers)		Rigid container	493 914*
Electric organs	84 701	Bolt or screw	81 436+	Metal frame making	29 20
Electric organs	84 734	Centrifugal	210 360.1+	Ornamentation for	351 51+
Plano	84 216+	Closure remover	81 3.07+	Special tool for	81 3.5+
Tracker bar modified for		Can opener having	7 152+	Protective goggles	2 426+
expression	84 157	Compound tool having	7 151+	Temple	351 121
Extension		Pliers having	7 126+	Eye Goggles	2 426+
Cords	439 502+	Disassembling apparatus	29 700+	Anti-glare or shading	351 44
Tables, co planar surfaces	108 65+	Easy out	81 436+	Design	D16 303+
Extensometer		Electrolyte treatment	204 233+	Eye Lens Insertion	606 107
Dilatometer	374 55	Nail	254 18+	Eye Brow Brush	D04
Distance measuring	33 784+	Shoe lasting	12 16	Eyelash Curler	D28 36
Dynamometer	73862.391+	Pen	29 808	Eyelet	24 713+
Electrical	324	Press	100 104+	Apparel fastener	D11 208+
Gauges	33 501+	Shell from firearm	42 25	Closure fastener sealing	292 314
Optical	356 625+	Revolver	42 68	Making by die shaping sheet metal	72 343+
Strain resistance	338 2	Tilting breech	42 46	Setting	227 51+
Stress strain test	73 760+	Shell projectile or wad	81 3.05	Eyeletting	
Extinguisher		Stump and poles	254 199+	Machine	227 51+
Boiler safety	122 504.3	Tooth	433 141+	Paper tag making	493 375+
Burner cap or cover	431 144+	Wheel spoke	157 12	Sewing machine	112 66
Cigar and cigarette	131 256	Extruding (See Expressing Die)		Eyeshade (See Visor)	D29 109+
Electric arc prevention	218 1+				