

Class Subclass		Class Subclass		Class Subclass	
Vaccination		Actuation	251	Receptacle filler	141
Applier	604 46	Electric	251 129.01+	Fluid servomotor	91 418+
Packaged	206 367	Digest	261 DIG. 74	Flush	
Shield	128 888	Floor controlled spittoon	4 280	Actuation	251 15+
Vaccine	424 184.1+	Gas & liquid contact apparatus	261 DIG. 53	Actuation closet combined	4 249+
Vaccine	424 184.1+	Gas heated tool controlled	126 234	Siphon bowl	4 422+
Vacuum (See Evacuating Receptacles; Suction)		Gravity controlled spittoon	4 281	Spittoon	4 266
Agitating in	366 134	Internal combustion engine	123 188.1	Water closet bowl	4 435+
Bottle	215 12.1	Poppet	123 90.1	Gas motor	415 148+
Design	D07 608+	Manual	251 213+	Gate	
Bracket attaching by	248 205.5+	Pneumatic displacement pump	417 118+	Pastry nozzle	425 381.2
Bracket holding article by	248 309.3	Pump controlled	417 510+	Pastry nozzle	425 461+
Brakes	188	Time controlled	137 624.11+	Pivoted	251 298+
Distribution system	303	Time variation, internal		Pivoted check	137 527+
Breaking for backflow prevention	137 215+	combustion engine poppet	123 188.2+	Reciprocating	251 326+
Bulbs or tubes		Wind operated ventilator cowl	454 17	Grinder	451 115+
Apparatus for glass bulb		With time indicator	137 552.7	Gun muzzle	89 31
manufacture	65 270	Applying and removing apparatus	29 213.1+	Inflating	
Arc lamp enclosed	313	Automatic		Chuck or gauge combined	137 223+
Electric discharge lamp	220 2.1 R	Drain	137 177+	Pressure regulation	137 224+
Electron tube manufacture	445	Fire extinguisher	169 19+	Inlet or supply	
Electron tube structure	313	Fluid brake equalizing	303 33	Gas separation	55 418+
Evacuating	141 65	Hose holder and fluid supply	239 196	Internal combustion engine	123 188.14+
Incandescent lamp	313 315+	Sewerage catch basin	210 109+	Sand blast machine	451 99+
Manufacture miscellaneous	445	Sewerage trap	137 247.15+	Sewerage trap	137 247.13+
Process for glass bulb		Trap	137 171+	Spittoon	4 282
manufacture	65 34+	Window ventilator	454 196	Street curb for drainage	404 4+
Chuck	279 3	Balanced		Internal combustion engine	123 188.1+
Cleaners (see air, blast or suction cleaning)		Reciprocating	251 282	Large area valve, motor art	91 DIG. 3
Cleaner attachment	D32 31+	Rotary	251 283	Larner Johnson type internal	
Convertible	15 328+	Butterfly	251 305+	hydraulic	137 219+
Design of machine	D32 21+	Check		Light	359 240+
Nozzles	15 415.1+	Ball	137 329.03	Light	359 290+
Pipe joint	285 7	Flow meter	73 276	Liquid	137 251.1+
Street sweeper type	15 340.2	Pivoted	137 527+	Thermal	236 50
With dirt filter	15 347+	Pump	417 559+	Locks	
With mechanical agitator for		Radiator vent	137 511+	Automotive fuel	70 242+
work	15 363+	Reciprocating	137 528+	Combined	70 175+
Cleaning methods	134 21	Siphon bowl	4 426+	Combined operation	137 384.2+
Coating combined	427 294	Wells, in	166 325+	Lubricator	184 86
Distillation	203 73+	Combined with support	251 143	Making repairing and assembling	
Distillation	203 91+	Design	D23 233+	Applying and removing apparatus	29 213.1+
Mineral oil	208 366	Diaphragm	359 227+	Fluid motor and pump process	29 888.4+
Mineral oil rectification	208 357	Dispensing	222 544+	Process	29 890.12+
Thermolytic	201 35	Pressure operated	222 491+	Refitting by milling	409 64+
Evaporators concentrating	159 22+	Resilient type	222 490	Measuring	222 424.5+
Food preparation apparatus	99 472	Electrically actuated	251 129.01+	Mixing	
Gauges	73 700+	Circuit makers and breakers	200 61.86	Plural valves	137 602+
Liquid level testing	73 303	Engine distributing	91 218+	Motormans air brake	303 50+
Hoist	294 64.1+	Liquid pump	417 505	Multiple	137
Holddown	248 362	Lubricator	137 630.16	Gas & liquid contact apparatus	261 42+
Insulated conductors	174 8+	Railway switch	246 140+	Multiway unit	137 625+
Metal treatment		Electro optical	359 245+	Bypass	137 599.11+
Air blast &/or vacuum conveyor	29 DIG. 78	Polarized light	359 246+	Gate	137 625+
Casting	164 61+	Engine igniter combined	123 151	Plural valves sequential	
Metal working digest	29 DIG. 44	Float	137 409+	opening	137 630.16
Purifying	75	Animal water supply	119 78+	Plural valves single outlet	137 602+
Vacuum exhaust type	29 DIG. 84	Automatic dispenser	222 67+	Unit	137 625+
Motor	91	Bath or basin	4 669	Music (see music)	
Systems	60 407+	Closed fluid heater	236 31	Needle valves	261 DIG. 38
Pumps	417	Flow meter plural chamber	73 221	Oscillating	
Design	D15 7+	Flow meter single chamber	73 224	Fluid flow meter combined	73 268
Dredger combined	37 324	Funnel	141 199+	Outlet exhaust and discharge	
Receptacle	220 592.27	Funnel air displacement	141 199+	Filter	210 418+
X-art collection	206 829*	Pneumatic displacement pump	417 126+	Filter, faucet attached	210 449
Receptor for body discharges	604 218+	Pump regulator	417 40+	Four cycle engine	123 84+
Rectifier full wave high	313 306	Radiator relief	236 65	Furnace ashpans	110 169
Refrigeration	62	Steam trap	137 192+	Furnace spark arrester	110 129
Vapor discharged	62 268+	Temperature regulating	236 52	Gas separation	55 417
Vapor discharged, process	62 100	Thermal trap	236 53	Grain huller	99 611
Resuscitation devices	601 43	Water closet	4 395+	Internal combustion engine	123 188.1+
Skinner for fruit	99 584	Water purifier	210 97+	Sewerage catch basin	210 109+
Support	451 494	Fluid brake system		Sewerage trap	137 247.13+
Abrasive	451 494	Equalizing	303 33+	Sink or bath	4 650+
Tube (see space discharge device)		Motormans	303 50+	Conditioned responsive means	4 668+
Keyer	327 185+	Pipeless	303 90	Drain or overflow	4 679+
Keyer in transmitter	375 309+	Fluid motor distributing	91 218+	With supply outlet	4 671+
Tester	D10 77	Fluid pressure actuated	251 12+	Spittoon	4 266
Wall for railway freight car	105 357	Boiler feeder	122 451.2	Spittoon floor orifice	4 276
Work holders	269 21	Engine distributing	91 281+	Water closet	4 378+
Valances		Fluid flow meter diaphragm	73 271	Pipe	251
Bed	5 493	Fluid flow meter piston	73 249	System	137
Curtain	D08 373+	Fluid flow meter plural	73 220	Piston for pumps	417 481+
Land vehicle top	296 135	Liquid pump	417 507	Pivoted	251 298+
Trunk	190 28	Lubricator reciprocating	184 76	Check	137 527+
Valises	206 278+	Lubricator rotatable	184 72	Closet bowl	4 421+
Valley Roof Gutter	52 13+	Radiator vent thermal	236 61	COWLS	454 5+
Valve (See Faucet)	251	Receptacle filling	141	Register	454 322+
Acetylene generator	48 58	Steam trap	137 171+	Position indicator	116 277
Carbide feed	48 38+	Trap thermal	236 54	Pressure reducing and regulating	137 505+
		Fluid pressure regulating	137 505+	Pressure relief	137 455+
		Fluid pressure relief	137 455+	Puppet or poppet	251 82

Class Subclass		Class Subclass		Class Subclass	
Abrading machine	451 117	Barrel bung	217 99+	Sound muffler	181 254
Acetylene generator	48 53+	Bath or basin	4 679+	Spray nozzle	239 569+
Coolant containing	123 41.16	Battery cell, weight actuated	429 85	Deflector	239 506
Four cycle engine	123 79 R	Battery vent	429 53+	Multiple outlet	239 562+
Internal combustion engine	123 188.2	Blow-out type	429 56	Whirler	239 476+
Making	29 888.4+	Bottle		Strainer	210 156
Radiator vent	137 455+	Closure	215 311+	In pipeline	210 418+
Thermostatic	236 61+	Nonrefillable	215 17+	Multiple in pipeline	210 294+
Reciprocating	251 318+	Chute	193 21	Textile pounder	68 218
Animal watering	119 80	Counterweight	193 20	With plunger	68 217
Biased check	137 528+	Closet vent	4 216	Track sander	291 6
Engine nozzle	239 584+	Coating implement	401	Traps	
Furnace ashpan	110 169	Cooking stove	126 52	Sewerage	137 247.13+
Gate	251 326+	Dispenser	222	Steam	137 171+
Lubricator horizontal	184 79	Drinking fountain	239 29	Ventilation	
Lubricator vertical	184 74+	Bubble cup	239 31	Air pump	454
Reversing	137 309+	Dry closet	4 466	Backdraft preventer for inlet	454 259
Refrigeration expansion	62 527+	Bowl	4 471+	Backdraft preventer for outlet	454 359+
Automatic	62 222+	Elastic	429 54	Backdraft preventer for window	454 227
Regulator		Filter	210 418+	Building inlet	454 333+
Fluid pressure	137 505+	Float	429 76	Chimney cap	454 3+
Pump	417 279+	Fluid flow meter		Thimbles	454 273+
Removal tool	29 213.1	Diaphragm	73 265	For inlet	454 270+
Reversing	137 309+	Piston	73 248	Water closet	
Reciprocating regenerating furnace type	137 309+	Proportional	73 203	Bowl	4 434+
Rotary regenerating furnace type	137 311	Fluid flow path	251	Siphon bowl	4 421+
Rocking and oscillating		Interlocking	48 83	Tank	4 378+
Animal watering	119 79	Plate	48 52	Vamp and Quarters	36 48+
Four cycle engine	123 81 R	Pop	48 53	Trimming machines	12 57.6
Lubricator	184 34	Slide	48 58	Vanadium	
Ventilator cowl	454 3	System	137	Alloys, ferrous	420 127
Wall register	454 285	Fountain pen	401	Alloys, non-ferrous	420 424
Rotary or oscillating		Funnel	141 344	Carbon compounds	556 42+
Disk	251 304+	Air displacement	141 297+	Compound stock	428 662
Floor register	454 289+	Gas and liquid contact apparatus	261 38+	Electrolytic preparation	205 564
Fluid flow meter	73 265+	Gas separator inflow control	55 418+	Inorganic compound recovery	423 62
Internal combustion engine	123 190.1	Gas separator outflow control	55 417	Pyrometallurgy	75 622
Lubricator force feed	184 35	Heating gas purifier	48 170	Vanes	
Lubricator gravity feed	184 71+	Hoist bucket	414 657+	Aircraft control	244 82
Plug	251 309+	Illuminating fixture	362 394+	Ammunition and explosive device	
Spherical head	251 315.01+	Inhaler	128 203.12+	combined	244 3.24+
Safety		Nasal	128 203.12+	Drop bomb combined	102 384
Acetylene generator	48 56	Internal combustion engine		Fuse arming	102 225+
Boiler	122 507	Cooling	123 41.01+	Parachute flare	102 339
Boiler feed heater	122 437	Igniter	123 146	Rocket combined	102 348
Fluid pressure relief	137 455+	Liquid level gauge	73 332+	Fluid flow direction measuring	73 170.05+
High temperature cutoff	137 457	Lubricator		Forming working member	
Muffler	181 237	Force feed pump	184 26+	for expandable chamber device	92 121+
Pipe break cutoff	137 456+	Gravity feed	184 65+	Gate mounted wind balance	49 135
Seat grinders		Music brasses	84 388+	Meter	73 861.74+
Abrading	451 115+	Pastry depositor	222	Expandable chamber	73 232+
Milling	409 64+	Pastry depositor	425 381.2	Pump	418
Seat making	29 890.122	Pastry depositor	425 461+	Ships log	73 186+
Fluid motor	29 888.44	Piano pneumatic	84 60+	Signaling (see semaphores)	
Slide		Bleeds	84 59	Turbine guide vane	415 148+
Abrading machine	451 118	Pipe	251	Ventilating cowl	454 3+
Acetylene generator	48 55	System	137	Windmill guide vane	416 12+
Soda water type		Pipe organ		Vanillin	568 442
Combined with plural sources	222 129+	Action	84 336	Vanity	
Multiple valve	137 170.1+	Key	84 342	Cases or compacts	132 293+
Nozzles	239 445+	Tremolo	84 348	Absent non-coating article eg,	
Valve	251	Pipe taps	137 317	mirror	401 118+
With agitating	366 195+	Piston		Illuminated mirror	362 136
With deflector nozzles	239 499+	Flow meter	73 248	Vapor (See Gas)	
With fizzing stream	239 445	Fluid motor	91 422	Baths	4 524+
With multiple inlet nozzles	239 407	Internal combustion engine	123 47 R	Coating	427 248.1+
With variable discharge	239 435	Pump	417 545+	Condenser	165 110+
Stem cap	138 89+	Pump oscillating	417 484	Contact with solids	34
Combined tool	152 431	Pump reciprocating	417 545+	Cookstove	126 44
Seal for a pipe or conduit	277 602+	Pneumatic tire		Design	D07 339+
Switch combined	200 61.86	Tire and valve stem	152 429+	Deposition	427
Thermostat and temperature	236	Tool and valve stem cap	152 431	Apparatus	118 715+
Burner combined	431 83+	Wheel and valve stem	152 427+	Single crystal formation	117
Cutoff	137 457	Preserving apparatus	422	Doping, semiconductor	438 565+
Freeze responsive drain	137 59+	Pump	417 559	Apparatus	118 900*
Throttle and engineers		Diaphragm	417 480	Electric lamp	313 567+
Fluid brake control	303 50+	Regulator	417 279+	Arc	313 567+
Train control	246 189+	Receptacle filler	141	Lanterns	362 263+
Tire	137 223+	Refrigeration producer	62	Electric space discharge tubes	313 567+
Caps and cores	137 232+	Refrigerator, air controlling	62 408+	Generator for disinfecting	422 305+
Combined gauge	137 227+	Automatic	62 186+	Heating burners	431 161+
Combined pressure regulator	152 431	Blocking air at access opening	62 265+	Heating burners	431 207+
Train control pipe	246 190	Sand blast machine	451 99+	Heating stoves	126 95
Well closures	166 316+	Ship		Liquefied or solidified	62 601+
Valved Device		Plug	114 197	Medicators	604 23+
Acetylene generator		Sea cock	114 198	Testing for explosive	
Flap	48 43	Ventilator	114 212	Catalytic	73 25.01+
Bag closure	383 44	Sifter		Miners lamp	362 164+
Filling	141 68	Discharging	209 258	Therapeutic baths	607 83+
Filling	141 315	Feeding hopper	209 246	Thermometer	374 201+
		Sink strainer	4 287	Treating	34
		Smoking device	131 223	Cabinets	312 31+

Class Subclass		Class Subclass		Class Subclass	
Coating processes	427 335+	Fluid or chemical	426 287+	Control calculator	701 1+
Distilled vapors treated	203	Fertilizers from	71 23+	Convertible	280 30+
Distilled vapors treated	201 29	Fibers		Cycle	280 200+
Gases with separation	95	Liberation chemical	162 1+	Dials	D12 192
Mineral oil vapors treated	208 3	Liberation mechanical	19	Draft devices	280 400+
Textile apparatus	68 5 R+	Gathering	56 327.1	Animal	278
Textile processes	8 149.2+	Digger type	171	Draft appliances	213
Tube amplifying system	330 41	Grating	241 95+	Dumping	298
Vaporizer Making	29 890.07	Jellies	426 573+	External cooperating means	414 373+
Vaporizing and Vaporization	122	Juices	426 599+	Railway	105 239+
Concentrators	159	Peeling	99 584+	Electric power	
Design	D23 360+	Pit stem or core removal		Locomotive	104 35+
Distilling	201	Corers	99 544+	Locomotive	104 49+
Distilling	203	Processes	426 484+	Motor vehicle, traction motor	180 65.1+
Drying	34	Seeders and stoners	99 547+	Motors	D13 112
Electrical heating for	392 386+	Stemmers	99 635+	Electricity transmission to	191
Fumigators	43 129+	Planters	111 913*	Excavators	
Heat motors	60 531	Plants	PLT 258	Self loading	37 304+
Heat or energy exchange agents	252 67+	Preservation	426 321+	Vehicle actuated scoops	37 436+
Internal combustion engines	123 250+	Canning	426 392+	Fender	293
External vaporizing	123 522+	Coating	426 289+	Design	D12 186
Jet gas pumps	417 152+	Dehydration	426 471+	Floor mat design	D12 203
Liquids	122	Refrigeration	426 524	Fluid cushion	180 116+
Medical Inhalers	128 203.12+	Protein foods	426 656	Fluid handling device supported by	137 899+
Mineral oils	208	Stalks		Freight accomodating	410
Nuclear reactors involved in	376 370	Retting	162 1+	On & off freight container	410 52+
Nuclear reactors involved in	376 371	Retting bacteriological	435 277+	Gas pumps and fans	
Nuclear reactors involved in	376 378	Synthetic resins from extracts	528 1+	Combined	417 331+
Pumps	417 208+	Vegetation		Fans combined	416 146 R
Recovery of actinide compounds by	423 249	Fuel	44 605+	Operating devices vehicle	
Refrigeration	62	Briquette	44 589+	actuated	417 231+
Resolving colloids by	516 194+	Hydrocarbon recovery from	585 240+	Ground effect	180 116+
Vaporizers	261 DIG. 65	Imitation	428 17+	Headlights and spotlights	362 459+
Variable Capacitor	361 277	Treated	428 17+	Design	D26 28+
With variable resistor	323 354	Vehicle (See Specific Type)		Headrest	D06 501
Variable Denier		Advertising on vehicles	40 591+	Heat and power plant	237 12.3 R
Extruding apparatus	425 76	Air	244	Motor vehicle boiler plants	122 3
Stretching	28 243	Air bag passenger restraints	280 728.1+	Heating	237 28+
Variometer	336 115+	Air conditioner	D23 351+	Heating and cooling	165 41
Radio tuning system	334 62	Air cushion	180 116	Inflatable passenger restraint	280 728.1+
Varnish		Cushion design	D12 5	Instrument panel	D12 192
Asphalt	106 273.1+	Animal draft appliances	278	Jacks for lifting	254 2 R
Fatty oil	106 246+	Artificial intelligence (see artificial intelligence)		Land (see land vehicles)	296
Natural resin		Attachments		Bodies & tops	296
Fatty oil	106 220+	Abrading	451 434	Dumping	298
Polymer ctg (see synthetic resin or natural rubber)		Antennas	343 700 R+	Freight accomodating	410
Solvent	106 236	Automobile carried	40 591	Motor	180
Removing	134 38	Body lifters	254 48	License plates	40 200+
Compositions	510 201+	Cutting tool	83 928*	Lighting	362 459+
Varnishing	427	Electric lamps	315 77+	Circuits	315 77+
Apparatus for varnishing	118	Fluid sprinkling etc	239 172+	Design	D26
photographic material	118	Jack	254 418+	Loading and unloading	
Photographic images	427	Land	280 727+	Chutes	193 5
Prints	427	Land wheel ornament	301 37.101+	Dumping	298
Shells	86 17	Load accomodating on freight carrier	410	External cooperating means	414 373+
Vase	D11 143+	Package and article carrier	224 400+	Self loading or unloading vehicles	414 467+
Vasodilators	424	Receptacles	224 400+	Locks	70 237+
Vasopressin	530 315	Sifter support	209 421	Medicine	
Vats (See Vessel)		Steps	280 163+	Inorganic	514 769+
Cheese	99 452+	Weigher	177 136+	Organic	514 772+
Metallic and miscellaneous	220	Automobile (see automobile)		X-art collections	514 800+
Textile fluid treating apparatus		Bevel gear	74 424	Mirrors	359 838+
Movable carrier in vat	68 157	Bicycle	280 200+	Mirror frames	52 785.12
Separate centrifuge and vat	68 26	Bodies and tops	296	Plural	359 850+
Vat or sulfur dyeing	8 650+	On & off freight load bearer	410 52+	Plural combined	359 850+
Several dyes including	8 642	Body ornament	428 31	Signal	359 515+
Textile printing	8 453	Brake operator		Moped	180 205+
Textile printing	8 461	Automatic	188 110+	Motion picture	352 132
Wooden	217 4	Fluid pressure	188 152+	Motor	180
Vaulted Roof Design	D25 18+	Multiple	188 106 R+	Boiler plants	122 3
Vaults		Speed responsive	188 181 R	Supports	248 637+
Building lights	359 591+	Spring	188 167+	Motorcycle	180 210+
Burial	52 128+	Vehicle step	188 108	Two-wheeled	180 218+
Lifting or handling	52 124.1+	Weight	188 176+	Tandem	180 219+
Design	D99 1+	Brake position adjusters		Movement display	434 305
Dry closet	4 474+	Supports	188 208	Operation teaching	434 30+
Road or pavement vault cover	404 25+	Vehicle body movement	188 190+	Periscopes	359 402+
Design	D25 36	Brakes	188 2 R+	Position indicating	340 988+
Vcr (See Recording and Recorders)	386 46+	Clutch combined	192 13 R	Railways	104
Vectograph	359 489	Cab or body		Freight accomodating	410
Vector	435 320.1	On & off freight bearer	410 52	Rolling stock	105
Bacteriophage	435 320.1	Car (see car)		Wheel making	29 894.01+
Viral	435 320.1	Carriers, attachable	224 400+	Refrigerated	62 239+
Vegetable		Carriers, attachable	294 904*	Automatic	62 133+
Cleaning		Cleaning	15 53.1+	Process	62 61
Apparatus brushing or wiping	15 3.1+	Apparatus	134 123	Roof rack	D12 412+
Apparatus liquid treatment	134	Railway car brushing machines	15 54	Running gear	
Processes	426 478+	Collision avoidance	367 909*	Land vehicle	280 80.1+
Coffee substitutes from	426 594	Compositions coating or plastic	106 311	Railway trucks	105 157.1+
Comminuting machines	241	Computer controlled, monitored	701 1+	Suspension arrangement	280 124.1+
Cutting,comminuting,peeling,paring	99 588+			Active control	280 5.5+

Class Subclass		Class Subclass		Class Subclass	
Stub axle mounts	280124.125+	Making	160 405	Water closet	
Safety belt or harness	280 801.1+	Assembly	29 24.5+	Siphon bowl	4 351+
Passive	280 802+	Method	160 405	Urinal	4 306+
System responsive	180 268+	Tape cutting	26 11.4	Valved bowl	4 348+
With seat structure	297 468+	Woven float cutting	26 7	Washout bowl	4 348+
Safety guard	280 748+	Wood slat slotting	144 136.1+	Window	454 196+
Safety promoting means	180 271+	Venom Extractors	604 314	Vents	
Seat belt passenger restraints	280 801.1+	Ventilators & Ventilated Items	454	Automobile no-draft	49 390+
Seats	297 195.1+	Abrasive tool or support	451 488	Ball point pen	401 217
Shelter support	135 88.01+	Aircraft cabin having	454 71+	Building with	52 198+
Signals	340 425.5+	Animal enclosure	119 500	Fountain pen	401 242
Simulators	434 29+	Automobile having	454 69+	Molding devices	
Snowmobile	180 182+	Barrel	217 74	Chills	164 372
Special purpose	D12 1+	Bath closets sinks spittoons	4 209 R+	Metal founding	164 410
Springs	267 2+	Bed mattresses	5 724+	Metal founding core	164 234
Steering mechanism moves pivoted lamp	362 37	Fluid filled	5 673	Metal injection die having	164 305
Steering switches light system	362 36	Forced air heating, cooling	5 423	Static molds	249 117+
Suction effect	180 164	Blowers	415	Ordnance	89 30
Surface effect	180 116+	Boot or shoe	36 3 R	Pump priming and venting	417 435
Suspension arrangement	280 124.1+	Building	454	Rotary	415 11
Active control	280 5.5+	Cabinets having	312 213	Receptacle	
Springs	267 2+	Electronic	454 184	Batteries	429 82+
Tires, resilient	152	Chimneys	454 1+	Bottle closure	215 307+
Tool driving or impacting device combined	173 184+	Clean rooms	454 187	Check valves for radiator	137 511+
Tool, mounted	83 928*	Cleaning or polishing tool or support	15 230.1	Closures	220 367.1+
Toy	446 431+	Consumable electrode arc lamp having	314 26+	Pressure responsive	220 203.01+
Design	D21 533+	Cooking oven	126 21 R	Cutter for vent and dispensing openings	222 85+
Trains		Cowls	454 3+	Dispenser	222 478+
Draft appliances	213	Crankcase	92 78+	Dispenser handle with	222 468
Electricity transmission to	191 11	Crates	217 42	Dispenser movable trap chamber with	222 332
Land	280 400+	Door	454 195	Dispenser trap chamber with	222 442
Motor	180 422	Dry closet		Dispenser with fluid trap seal for	222 188
Braking	188 112 R+	Inclosed receptacle	4 477	Dispenser with follower and	222 387
Railway	105 1.4+	Receptacle	4 482	Float closure for dispenser vent	222 69
Braking	188 124	Valved bowl	4 472	Fluid operated lubricator	184 59
Tricycle	280 200+	Vault	4 475	Fluid pressure brake systems	303 70
Washer	134 123+	Electric batteries	362 480	Open top liquid heating	126 389.1
Head lamp	239 284.2	Electric batteries	429 82+	Tube bottle closure	215 307+
Windshield	239 284.1	Cap type	429 89	Wick burner fuel supply	431 321
Water, ie ships	114	Gang type	429 87	Rubber or heavy plastic mixer	366 75
Buoys, rafts, aquatic devices	441	Non-spill type	429 84	Sifting bins with	209 378
Marine propulsion	440	Plug type	429 89	Valve	
Weighter combined	177 136+	Reactive, absorbable type	429 86	Closet etc ventilation	4 216
Wheel propelled	280 3	Separate inlet and exhaust	429 83	Independent multiple air	137 583+
Wheel substitutes	305	Stopper	429 89	Multitray rotary plug	137 625.22+
Wheelchair (see wheelchair)	280 250.1	Weight actuated valve type	429 83	Serial dependent drainage	137 512+
Wheels & axles (see axle: wheel)		Electric cables conduits boxes	174 16.1	Direct response	137 512+
Axle making	72	Electric insulators	174 187	Selective motion actuation	137 636+
Method	72 713	Equipment	D23 370+	Separate actuators	137 637+
Land	301	Fans	416	Sequential	137 628+
Railway	295	Fire escapes	182 47	Venting	425 812*
Resilient wheels	152	Hats	2 171.3	Wall with	52 302.1+
Wheel making	29 894+	Sweats	2 181.6	Venturi	
Veils		Heating and cooling systems	165 59	Carburetor	261 DIG. 12
Design	D05 47+	Heating systems	237 46+	Flow meter	73 861.63+
Veining		Hog house	119 448	Restrictor type	138 44
Textile dyeing	8 478+	Hoods and offtakes	454 49+	Scrubbers	261 DIG. 54
Velocipede		Light projectors	362 294	Variable venturi	261 DIG. 56
Brake	188 24.11+	Locomotive cab	454 84+	Veratramine	546 195
Canopies	135 88.01+	Dust guards	454 86	Veratridine	546 34
Design	D12 107+	Louvers	454 309+	Veratrol	568 648
Figure toys	446 440	Mask	128 205.25+	Verel T M (Polyacrylonitrile)	
Land vehicle	280	Mine	454 168+	Vinylidene Chloride	526 342
Coasters	280 87.01+	Oven doors	126 198	Verifier	
Convertible	280 7.1+	Pavement vault cover	404 25+	Card or tape punch	234 34
Dust and mud guards	280 152.1+	Photographic dark cabinet	396 593	Verifying Statistical Cards	73 156
Occupant propelled	280 200+	Poultry enclosure	119 493	Vermicelli	426 557
Occupant steered	280 263+	Pressure maintenance	454 70+	Vermiculite	423
Simulations	280 827+	Inlet	454 255	Compositions including	106 122
Wheel guards	280 160.1	Inlet and outlet	454 238	Alkali metal silicate	106 605
Windshields	296 77.1+	Outlet	454 340	Ceramic	501 141+
Racks	211 17+	Vehicle	454 70+	Pigment	106 415+
Locking	211 5	Provision safes	454 183	Settable cement	106 672+
Seats for	297 195.1+	Railway cars	454 83+	Expanding	252 378 R
Walkers nonsteered	280 87.2	Railway tunnels and subways	454 166+	Vermilion	423 511
Vending Machine	D20 1+	Registers	454 284+	Vermis Destroying	43 124+
Veneer and Veneering		Roof eaves	454 260	Antivermin treatment of animals	119 650+
Laminate	428 411.1+	Ships	114 211+	Traps	43 58+
Metal-to-metal	428 615+	Shoes, making	12 142 V	Currycomb combined	119 626
Static mold on product or existing building structure	249 15	Solar power	454 900*	Design	D22 119+
Tile adhered	52 390	Storage	454 173+	Verneuil Single-Crystal	
Tile backer	52 384	Stove attachments	126 80	Apparatus	117 207
Woodworking		Fluid fuel stoves	126 84	Growth processes	117 12
Lathe	144 209.1+	Platforms	126 279	Vernier (See Machine With Which Combined)	
Press	156 349+	Stovepipe combined	126 312	Ruler type	33 494
Venetian Blind (See Blind)	160 166.1+	Damper combined	126 293	Tabular calculator type	235 85 R+
Cleaning machines	15 77	Thimble combined	126 316	Veronal T M	544 307
Wiping	15 102	Temperature regulated	236 49.1+		
Design	D06 577	Tents having	135 93		
		Umbrella cover	135 33.7		

Class Subclass		Class Subclass		Class Subclass			
Vessel (See Crucible; Tank; Tub; Receptacles; Vats)							
Drinking.....	215	As treatment of liquid	210	748	Vinyl Compounds		
Design.....	D07	Filter	210	388+	Cyanide.....	558	462
Metallic.....	220	Flocculation or precipitation	210	738	Esters from acetylene.....	560	242
Heaters		For cleaning filter	210	785	Ether	568	687+
Electric	219	Membrane process	210	637	Solid polymers.....	526	59+
Liquid and open top	126	Measuring and testing.....	73	507+	Vinylidene Compounds	526	343
Receptacles		Recording combined	346	7	Processes of molding articles of		
Dry closets.....	4	Metal treatment.....	148	558	vinylidene chloride.....	264	DIG. 79
Measuring.....	73	During casting.....	164	71.1	Solid polymers.....	526	59+
Metallic and miscellaneous	220	Vibrating x-art	72	710*	Viola (See Violin)		
Open top liquid heater	126	Continuous casting	164	478	Violin	84	274+
Portable fire extinguishers.....	169	Welding apparatus	228	1.1	Bows	84	282
Suspended household filter	210	Mining by.....	299	14	Bridges	84	309
Testing sealed	73	Motor or generator	310	51	Mutes	84	310+
Ships	114	Pipe joint	285	48+	Cases.....	206	14
Insubmersible.....	114	Rotating shaft for	464	180	Chin rests.....	84	279
Raising and docking	114	Supports, nonresilient	248	636	Design	D17	17+
Submarine.....	114	Supports, resilient	248	562+	Pianos with bowed strings	84	256+
Staved wooden	217	Tool drive vibration isolator	173	162.1+	Strings and fastenings	84	297 R+
Insulated.....	217	Transformer	336	100	Supports and shoulder rests	84	280
Vestibule		Musical instrument.....	84		Tailpieces.....	84	302
Livestock carrying vehicle.....	119	Rigid	84	402+	Violin Cello (See Violin)		
Railway train connection	105	Tuned sound wave generator or			Viquidil, in Drug.....	514	314
Vests		resonator.....	84	723	Virus		
Coat combined with.....	2	Razor.....	30	44+	Attenuation	435	236
Design.....	D02	Road and earth compacting.....	404	113+	Using electrical or wave energy ..	435	173.3
Design.....	D02	Road finishing by.....	404	113+	Culture.....	435	235.1+
Design vests.....	D02	Signs	40	613+	Viscera, Removing and Processing..	452	106+
Veterinary		Textile weaving.....	139		Viscose	536	60+
Animal care and handling	D30	Toy	446	3	Compositions.....	106	166.01+
Animal dips and sprays	424	Air actuated reed.....	446	207+	Alkali metal silicate	106	618+
Animal poisons.....	424	Typewriter ribbon mechanism.....	400	215+	Casein	106	138.1
Dental instrument.....	433	Vegetable etc cutting processes	426	518+	Gelatine or glue.....	106	138.1
Diagnostic		Warp stopping	28	188+	Ink	106	31.37+
Gag.....	600	Well processes	166	249	Magnesium oxy chloride.....	106	687
Pivoted specula.....	600	Vibrato	381	62	Plaster of paris	106	780
Equipment	D24	Vibrator (See Vibration)			Polishes	106	5
Medicines	424	Agitating	366	127	Portland cement	106	729+
Radionuclide containing	424	Bodine vibrator	366	600*	Prolamine	106	138.1
Obstetric forceps	606	Electric	310	15+	Protein miscellaneous	106	138.1
Oral dosing device	604	Medical	601	46+	Filament making processes.....	264	188+
Vibrating Motor		Motor systems.....	318	119+	Ripening	536	61+
Piezoelectric.....	310	Motor systems.....	318	114	Viscosity		
Systems.....	318	Feed conveyor, vibratory type	209	920*	Control	137	92
Vibration (See Jarring; Vibrator)		Geophysical.....	367	189	Dividing lamina.....	52	408+
Ammunition igniters		Mechanical sensor	73	662+	Measuring	73	54.01+
Marine mine.....	102	Metal casting device having.....	164	260+	Vises	269	
Mine.....	102	Power supply.....	307	150	Anvil	72	457+
Audio intensifiers.....	381	Inverter system.....	363	110	Anvil attached	72	457+
Dampers		Sifting.....	209	381	Daguerreotypy.....	396	438
Centrifugal extractor with.....	68	Sonar or submarine type.....	367	141+	Design	D08	74
Centrifugal extractor with.....	210	Sound mold compactor	164	203+	Drilling machine.....	408	72 R+
Centrifugal extractor with.....	210	Ultrasonic measuring & testing	73	570+	Fruit jar.....	81	3.31+
Electric brake	310	Victrola T M (See Phonograph)			Milling machine.....	269	
Electricity conductors etc		Video Disc Player	386	125+	Saw clamping	76	79.5
overhead.....	174	Capacitive	369	126	Tool attached	29	560.1
Flywheels with	74	Disc structure.....	369	276	Type casting.....	199	50
Flywheels with	74	Disc player mechanism.....	369	30.38+	Vision (See Eye; Optics)		
Flywheels with	74	Changer.....	369	30.64+	Testing & correction	351	
Hammer	173	Magnetic	386	46+	Visor, Sun	359	234+
Heat exchanger element	165	Mechanical	369	127+	With article carrier	224	312
Inductor	336	Optical	369	100+	Visors (Head Covering Having)	2	195.1+
Interia	188	Initialization startup.....	369	44.27	Hat with	D02	882+
Internal-resistance motion		Optical servo system.....	369	44.11	Visual Display (See Display)		
retarding	188	Optical track structure.....	369	275.1	Communication	345	+
Machinery bases	248	Pause control	358	908*	Vitamin		
Machinery brackets.....	248	Picture signal processing	386	128+	A	568	824
Machinery supports.....	248	Color	386	15	B1	544	327+
Machinery suspension.....	248	Stored modulated carrier signal	369	61	B2 or riboflavin.....	544	251
Plastic deformation.....	188	Video Display Screen Support	248	917*	B6	546	301
Resilient deformation.....	188	Video Pentode	313	300	C	549	315
Separator, imperforate bowl		Video Tape Recorder	386	46+	Composition	424	
centrifugal.....	494	Commercial killers	358	908*	D	552	653
Shaft structure	464	For preventing auto theft	705	13	Design	D24	101+
Dispenser feeding		Track skippers	358	907*	E	549	408
Articles	221	View Finder			Electrostatic treatment	204	166
Discharge assistant.....	222	Camera	396	373+	Foods containing	426	72+
Grain hulling apparatus.....	99	Viewing Devices	40	361+	G (see vitamin b2)		
Nail etc making	470	Stereoscopic.....	359	466+	K	552	299
Planter with chute	111	Vignetting			Preparation by wave energy	204	157.67
Planter with hopper	111	Photographic	396	545	Vitreous (See Glass)		
Supply container	222	Contact printing	355	125	Vitrification or Devitrification		
Earth boring by	175	Projection printing	355	40+	Color processes photo.....	430	198
Electrical applications to body.....	607	Vignoles	238	125+	Glass composition	501	2+
Grain separator straw carriers.....	460	Vinaigrette	D11	184	Glass preform	65	33.1+
Gravity feed lubricator cutoff	184	Vinblastine	540	478	Hazardous or toxic waste		
Heat exchanger surface	165	In drug	514	283	containment.....	588	
Kinesitherapy	601	Vincamine	546	51	Voice		
Vibrant membrane.....	601	In drug	514	283	Artificial electric	704	258+
Liquid purification		Vincristine	540	478	Doll	446	297+
		Vinegar	426	650	Air operated	446	188+
		Apparatus	99	323.12	Operated circuits relay	361	160+

Class Subclass		Class Subclass		Class Subclass	
Reflector for therapy.....	D24 175	Bias control.....	330 129+	Volumetric content measuring.....	73 149
Void Former	52 577	Impedance control.....	330 144+	Vortex Tube for Cooling	62 5
Within module.....	52 576	Thermal impedance control.....	330 143	Vortical Separator	209
Volleyball	473 459+	Public address type.....	381	Gas separation.....	55 447+
Practice device for.....	473 459+	Radio receiver type.....	455 234.1+	Liquid contact combined.....	96 301+
Voltage		Input coupling impedance		Voting	
Differentiator electric.....	333 19	adjustment.....	330 185+	Booths.....	52 36.1+
Miscellaneous electronic device		Interstage coupling impedance		Flexible wall.....	52 63
type.....	327 335	adjustment.....	330 157+	Computer controlled, monitored.....	705 12
Plural different voltages.....	307 15	Output coupling impedance		Machines.....	235 51+
Integrator electric.....	333 19	adjustment.....	330 192+	Teaching.....	434 306
Miscellaneous electronic device		Volume Control Manual		Vulcanizable Gums	
type.....	327 336+	Amplifier type by		Apparatus for.....	425 28.1+
Magnitude & phase control systems	323	Bias adjustment.....	330 129	Apparatus for.....	425 113
Regulation electronic.....	323	Cathode self bias impedance		Apparatus for.....	425 381.2
Regulator (see regulator;		adjustment.....	330 142	Dyeing of.....	8
electricity)		Volume Meters		Electrophoretic or electroosmotic	
Stabilization (see regulator)		Calibration of.....	73 1.73+	coating or forming using.....	204 475+
Voltage Magnitude Control		Dispenser combined.....	222 71+	Synthetic resin (see synthetic	
Audio signal.....	381 104+	Check controlled.....	194	resin or natural rubber)	
Facsimile.....	358 400+	Preset cutoff.....	222 14+	Vulcanizing	
Pulse or digital communications.....	375 345	Fluid.....	73 861+	Machinery design.....	D15 199
Radio.....	455 232.1+	Liquid level.....	73 290 R+	Molding apparatus for composite	
Telecommunications.....	455 232.1+	Measurers.....	33 1 V	articles.....	425 500+
Television.....	348 678+	Measuring vessel.....	73 426+	Molding devices.....	425 363+
Color.....	348 645+	Proportional flow control.....	137 87.01+	Molding devices.....	425 383+
Voltmeter (See Galvanometer)		Receptacle filling		Presses.....	425 335+
Amplifier tube for.....	313 293+	Stationary measure.....	141	Processes	
Volume Control Automatic		Traveling measure.....	141 135+	Molding combined.....	264
Amplifier type with		Timing fluid flow.....	137 552.7	Synthetic resin or natural rubber.....	525 50+