

Class Subclass		Class Subclass		Class Subclass	
<b>Vaccination</b>		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+
<b>Vaccine</b> .....	424 184.1+	Gas heated tool controlled .....	126 234	Siphon bowl .....	4 422+
<b>Vacuum (See Evacuating Receptacles; Suction)</b>		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 .....		Reciprocating .....	251 282	Large area valve, motor art .....	91 DIG. 3
cleaning) .....	15 300.1+	Rotary .....	251 283	Larner Johnson type internal .....	
Cleaner attachment .....	D32 31+	Butterfly .....	251 305+	hydraulic .....	137 219+
Convertible .....	15 328+	Check .....		Light .....	359 240+
Design of machine .....	D32 21+	Ball .....	137 329.03	Light .....	359 290+
Nozzles .....	15 415.1+	Flow meter .....	73 276	Liquid .....	137 251.1+
Pipe joint .....	285 7	Pivoted .....	137 527+	Thermal .....	236 50
Street sweeper type .....	15 340.2	Pump .....	417 559+	Locks .....	
With dirt filter .....	15 347+	Radiator vent .....	137 511+	Automotive fuel .....	70 242+
With mechanical agitator for .....		Reciprocating .....	137 528+	Combined .....	70 175+
work .....	15 363+	Siphon bowl .....	4 426+	Combined operation .....	137 384.2+
Cleaning methods .....	134 21	Wells, in .....	166 325+	Lubricator .....	184 86
Coating combined .....	427 294	Combined with support .....	251 143	Making repairing and assembling .....	
Distillation .....	203 73+	Design .....	D23 233+	Applying and removing apparatus .....	29 213.1+
Distillation .....	203 91+	Diaphragm .....	359 227+	Fluid motor and pump process .....	29 888.4+
Mineral oil .....	208 366	Dispensing .....	222 544+	Process .....	29 890.12+
Mineral oil rectification .....	208 357	Pressure operated .....	222 491+	Refitting by milling .....	409 64+
Thermolytic .....	201 35	Resilient type .....	222 490	Measuring .....	222 424.5+
Evaporators concentrating .....	159 22+	Electrically actuated .....	251 129.01+	Mixing .....	
Food preparation apparatus .....	99 472	Circuit makers and breakers .....	200 61.86	Plural valves .....	137 602+
Gauges .....	73 700+	Engine distributing .....	91 218+	Motormans air brake .....	303 50+
Liquid level testing .....	73 303	Liquid pump .....	417 505	Multiple .....	137
Hoist .....	294 64.1+	Lubricator .....	137 630.16	Gas & liquid contact apparatus .....	261 42+
Holddown .....	248 362	Railway switch .....	246 140+	Multiway unit .....	137 625+
Insulated conductors .....	174 8+	Electro optical .....	359 245+	Bypass .....	137 599.11+
Metal treatment .....		Polarized light .....	359 246+	Gate .....	137 625+
Air blast &/or vacuum conveyor .....	29 DIG. 78	Engine igniter combined .....	123 151	Plural valves sequential .....	
Casting .....	164 61+	Float .....	137 409+	opening .....	137 630.16
Metal working digest .....	29 DIG. 44	Animal water supply .....	119 78+	Plural valves single outlet .....	137 602+
Purifying .....	75	Automatic dispenser .....	222 67+	Unit .....	137 625+
Vacuum exhaust type .....	29 DIG. 84	Bath or basin .....	4 669	Music (see music) .....	
Motor .....	91	Closed fluid heater .....	236 31	Needle valves .....	261 DIG. 38
Systems .....	60 407+	Flow meter plural chamber .....	73 221	Oscillating .....	
Pumps .....	417	Flow meter single chamber .....	73 224	Fluid flow meter combined .....	73 268
Design .....	D15 7+	Funnel .....	141 199+	Outlet exhaust and discharge .....	
Dredger combined .....	37 324	Funnel air displacement .....	141 199+	Filter .....	210 418+
Receptacle .....	220 592.27	Pneumatic displacement pump .....	417 126+	Filter, faucet attached .....	210 449
X-art collection .....	206 829*	Pump regulator .....	417 40+	Four cycle engine .....	123 84+
Receptor for body discharges .....	604 218+	Radiator relief .....	236 65	Furnace ashpans .....	110 169
Rectifier full wave high .....	313 306	Steam trap .....	137 192+	Furnace spark arrester .....	110 129
Refrigeration .....	62	Temperature regulating .....	236 52	Gas separation .....	55 417
Vapor discharged .....	62 268+	Thermal trap .....	236 53	Grain huller .....	99 611
Vapor discharged, process .....	62 100	Water closet .....	4 395+	Internal combustion engine .....	123 188.1+
Resuscitation devices .....	601 43	Water purifier .....	210 97+	Sewerage catch basin .....	210 109+
Skinner for fruit .....	99 584	Fluid brake system .....		Sewerage trap .....	137 247.13+
Support .....	451 494	Equalizing .....	303 33+	Sink or bath .....	4 650+
Abrasive .....	451 494	Motormans .....	303 50+	Conditioned responsive means .....	4 668+
Tube (see space discharge device) .....		Pipeless .....	303 90	Drain or overflow .....	4 679+
Keyer .....	327 185+	Fluid motor distributing .....	91 218+	With supply outlet .....	4 671+
Keyer in transmitter .....	375 309+	Fluid pressure actuated .....	251 12+	Spittoon .....	4 266
Tester .....	D10 77	Boiler feeder .....	122 451.2	Spittoon floor orifice .....	4 276
Wall for railway freight car .....	105 357	Engine distributing .....	91 281+	Water closet .....	4 378+
Work holders .....	269 21	Fluid flow meter diaphragm .....	73 271	Pipe .....	251
<b>Valances</b> .....		Fluid flow meter piston .....	73 249	System .....	137
Bed .....	5 493	Fluid flow meter plural .....	73 220	Piston for pumps .....	417 481+
Curtain .....	D08 373+	Liquid pump .....	417 507	Pivoted .....	251 298+
Land vehicle top .....	296 135	Lubricator reciprocating .....	184 76	Check .....	137 527+
Trunk .....	190 28	Lubricator rotatable .....	184 72	Closet bowl .....	4 421+
<b>Valises</b> .....	206 278+	Radiator vent thermal .....	236 61	Cowsls .....	454 5+
<b>Valley Roof Gutter</b> .....	52 13+	Receptacle filling .....	141	Register .....	454 322+
<b>Valve (See Faucet)</b> .....	251	Steam trap .....	137 171+	Position indicator .....	116 277
Acetylene generator .....	48 58	Trap thermal .....	236 54	Pressure reducing and regulating .....	137 505+
Carbide feed .....	48 38+	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	<b>Vamp and Quarters</b>	36 48+
Four cycle engine	123 81 R	Pop	48 53	Trimming machines	12 57.6
Lubricator	184 34	Slide	48 58	<b>Vanadium</b>	
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	<b>Vanes</b>	
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		<b>Vanillin</b>	568 442
Combined with plural sources	222 129+	Action	84 336	<b>Vanity</b>	
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	<b>Vapor (See Gas)</b>	
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+
<b>Valved Device</b>		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
<b>Vaporizer Making</b>	29 890.07	Jellies	426 573+	External cooperating means	414 373+
<b>Vaporizing and Vaporization</b>	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+	<b>Vegetation</b>		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+
<b>Variable Capacitor</b>	361 277	Treated	428 17+	Design	D26 28+
With variable resistor	323 354	<b>Vehicle (See Specific Type)</b>		Headrest	D06 501
<b>Variable Denier</b>		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+
<b>Variometer</b>	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+
<b>Varnish</b>		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+
<b>Varnishing</b>	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+
<b>Vase</b>	D11 143+	Package and article carrier	224 400+	Self loading or unloading vehicles	414 467+
<b>Vasodilators</b>	424	Receptacles	224 400+	Locks	70 237+
<b>Vasopressin</b>	530 315	Sifter support	209 421	Medicine	
<b>Vats (See Vessel)</b>		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
<b>Vaulted Roof Design</b>	D25 18+	Multiple	188 106 R+	Boiler plants	122 3
<b>Vaults</b>		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+
<b>Vcr (See Recording and Recorders)</b>	386 46+	Clutch combined	192 13 R	Railways	104
<b>Vectograph</b>	359 489	Cab or body		Freight accomodating	410
<b>Vector</b>	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+
<b>Vegetable</b>		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+	<b>Venom Extractors</b>	604 314	<b>Vents</b>	
Seat belt passenger restraints	280 801.1+	<b>Ventilators &amp; Ventilated Items</b>	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		Pressure responsive	220 203.01+
Design	D21 533+	having	314 26+	Cutter for vent and dispensing openings	222 85+
<b>Trains</b>		Cooking oven	126 21 R	Dispenser	222 478+
Draft appliances	213	Cowls	454 3+	Dispenser handle with	222 468
Electricity transmission to	191 11	Crankcase	92 78+	Dispenser movable trap chamber with	222 332
Land	280 400+	Crates	217 42	Dispenser trap chamber with	222 442
Motor	180 422	Door	454 195	Dispenser with fluid trap seal for	222 188
Braking	188 112 R+	Dry closet		Dispenser with follower and	222 387
Railway	105 1.4+	Inclosed receptacle	4 477	Float closure for dispenser vent	222 69
Braking	188 124	Receptacle	4 482	Fluid operated lubricator	184 59
Tricycle	280 200+	Valved bowl	4 472	Fluid pressure brake systems	303 70
Washer	134 123+	Vault	4 475	Open top liquid heating	126 389.1
Head lamp	239 284.2	Electric batteries	362 480	Tube bottle closure	215 307+
Windshield	239 284.1	Electric batteries	429 82+	Wick burner fuel supply	431 321
Water, ie ships	114	Cap type	429 89	Rubber or heavy plastic mixer	366 75
Buoys, rafts, aquatic devices	441	Gang type	429 87	Sifting bins with	209 378
Marine propulsion	440	Non-spill type	429 84	Valve	
Weighter combined	177 136+	Plug type	429 89	Closet etc ventilation	4 216
Wheel propelled	280 3	Reactive, absorbable type	429 86	Independent multiple air	137 583+
Wheel substitutes	305	Separate inlet and exhaust	429 83	Multitray rotary plug	137 625.22+
Wheelchair (see wheelchair)	280 250.1	Stopper	429 89	Serial dependent drainage	137 512+
Wheels & axles (see axle: wheel)		Weight actuated valve type	429 83	Direct response	137 512+
Axle making	72	Electric cables conduits boxes	174 16.1	Selective motion actuation	137 636+
Method	72 713	Electric insulators	174 187	Separate actuators	137 637+
Land	301	Equipment	D23 370+	Sequential	137 628+
Railway	295	Fans	416	Venting	425 812*
Resilient wheels	152	Fire escapes	182 47	Wall with	52 302.1+
Wheel making	29 894+	Hats	2 171.3	<b>Venturi</b>	
<b>Veils</b>		Sweats	2 181.6	Carburetor	261 DIG. 12
Design	D05 47+	Heating and cooling systems	165 59	Flow meter	73 861.63+
<b>Veining</b>		Heating systems	237 46+	Restrictor type	138 44
Textile dyeing	8 478+	Hog house	119 448	Scrubbers	261 DIG. 54
<b>Velocipede</b>		Hoods and offtakes	454 49+	Variable venturi	261 DIG. 56
Brake	188 24.11+	Light projectors	362 294	<b>Veratramine</b>	546 195
Canopies	135 88.01+	Locomotive cab	454 84+	<b>Veratridine</b>	546 34
Design	D12 107+	Dust guards	454 86	<b>Veratrol</b>	568 648
Figure toys	446 440	Louvers	454 309+	<b>Verel T M (Polyacrylonitrile)</b>	
Land vehicle	280	Mask	128 205.25+	<b>Vinylidene Chloride</b>	526 342
Coasters	280 87.01+	Mine	454 168+	<b>Verifier</b>	
Convertible	280 7.1+	Oven doors	126 198	Card or tape punch	234 34
Dust and mud guards	280 152.1+	Pavement vault cover	404 25+	<b>Verifying Statistical Cards</b>	73 156
Occupant propelled	280 200+	Photographic dark cabinet	396 593	<b>Vermicelli</b>	426 557
Occupant steered	280 263+	Poultry enclosure	119 493	<b>Vermiculite</b>	423
Simulations	280 827+	Pressure maintenance	454 70+	Compositions including	106 122
Wheel guards	280 160.1	Inlet	454 255	Alkali metal silicate	106 605
Windshields	296 77.1+	Inlet and outlet	454 238	Ceramic	501 141+
Racks	211 17+	Outlet	454 340	Pigment	106 415+
Locking	211 5	Vehicle	454 70+	Settable cement	106 672+
Seats for	297 195.1+	Provision safes	454 183	Expanding	252 378 R
Walkers nonsteered	280 87.2	Railway cars	454 83+	<b>Vermilion</b>	423 511
<b>Vending Machine</b>	D20 1+	Railway tunnels and subways	454 166+	<b>Vermis Destroying</b>	43 124+
<b>Veneer and Veneering</b>		Registers	454 284+	Antivermin treatment of animals	119 650+
Laminate	428 411.1+	Roof eaves	454 260	Traps	43 58+
Metal-to-metal	428 615+	Ships	114 211+	Currycomb combined	119 626
Static mold on product or existing building structure	249 15	Shoes, making	12 142 V	Design	D22 119+
Tile adhered	52 390	Solar power	454 900*	<b>Verneuil Single-Crystal</b>	
Tile backer	52 384	Storage	454 173+	Apparatus	117 207
Woodworking		Stove attachments	126 80	Growth processes	117 12
Lathe	144 209.1+	Fluid fuel stoves	126 84	<b>Vernier (See Machine With Which Combined)</b>	
Press	156 349+	Platforms	126 279	Ruler type	33 494
<b>Venetian Blind (See Blind)</b>	160 166.1+	Stovepipe combined	126 312	Tabular calculator type	235 85 R+
Cleaning machines	15 77	Damper combined	126 293	<b>Veronal T M</b>	544 307
Wiping	15 102	Thimble combined	126 316		
Design	D06 577	Temperature regulated	236 49.1+		
		Tents having	135 93		
		Umbrella cover	135 33.7		

Class Subclass		Class Subclass		Class Subclass			
<b>Vessel (See Crucible; Tank; Tub; Receptacles; Vats)</b>							
Drinking.....	215	As treatment of liquid .....	210	748	<b>Vinyl Compounds</b>		
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+	<b>Vinylidene Compounds</b>	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*	<b>Viola (See Violin)</b>		
Open top liquid heater .....	126	Continuous casting .....	164	478	<b>Violin</b>	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
<b>Vestibule</b>		Musical instrument.....	84		Tailpieces.....	84	302
Livestock carrying vehicle.....	119	Rigid .....	84	402+	<b>Violin Cello (See Violin)</b>		
Railway train connection .....	105	Tuned sound wave generator or			<b>Viquidil, in Drug.....</b>	514	314
<b>Vests</b>		resonator.....	84	723	<b>Virus</b>		
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+	<b>Viscera, Removing and Processing..</b>	452	106+
<b>Veterinary</b>		Textile weaving.....	139		<b>Viscose</b>	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	<b>Vibrato .....</b>	381	62	Plaster of paris .....	106	780
Equipment .....	D24	<b>Vibrator (See Vibration)</b>			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+
<b>Vibrating Motor</b>		Motor systems.....	318	119+	Ripening .....	536	61+
Piezoelectric.....	310	Motor systems.....	318	114	<b>Viscosity</b>		
Systems.....	318	Feed conveyor, vibratory type .....	209	920*	Control .....	137	92
<b>Vibration (See Jarring; Vibrator)</b>		Geophysical.....	367	189	Dividing lamina.....	52	408+
Ammunition igniters		Mechanical sensor .....	73	662+	Measuring lamina.....	73	54.01+
Marine mine.....	102	Metal casting device having.....	164	260+	<b>Vises</b>	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	<b>Victrola T M (See Phonograph)</b>			Milling machine.....	269	
Electricity conductors etc		<b>Video Disc Player</b>	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+	<b>Vision (See Eye; Optics)</b>		
Flywheels with .....	74	Changer.....	369	30.64+	Testing & correction .....	351	
Hammer .....	173	Magnetic .....	386	46+	<b>Visor, Sun .....</b>	359	234+
Heat exchanger element .....	165	Mechanical .....	369	127+	With article carrier .....	224	312
Inductor .....	336	Optical .....	369	100+	<b>Visors (Head Covering Having)</b>	2	195.1+
Interia .....	188	Initialization startup.....	369	44.27	Hat with .....	D02	882+
Internal-resistance motion		Optical servo system.....	369	44.11	<b>Visual Display (See Display)</b>		
retarding .....	188	Optical track structure.....	369	275.1	Communication .....	345	+
Machinery bases .....	248	Pause control .....	358	908*	<b>Vitamin</b>		
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	<b>Video Display Screen Support .....</b>	248	917*	B6 .....	546	301
Resilient deformation.....	188	<b>Video Pentode .....</b>	313	300	C .....	549	315
Separator, imperforate bowl		<b>Video Tape Recorder</b>	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	<b>View Finder</b>			Electrostatic treatment .....	204	166
Discharge assistant.....	222	Camera .....	396	373+	Foods containing .....	426	72+
Grain hulling apparatus.....	99	<b>Viewing Devices</b>	40	361+	G (see vitamin b2)		
Nail etc making .....	470	Stereoscopic.....	359	466+	K .....	552	299
Planter with chute .....	111	<b>Vignetting</b>			Preparation by wave energy .....	204	157.67
Planter with hopper .....	111	Photographic .....	396	545	<b>Vitreous (See Glass)</b>		
Supply container .....	222	Contact printing .....	355	125	<b>Vitrification or Devitrification</b>		
Earth boring by .....	175	Projection printing .....	355	40+	Color processes photo.....	430	198
Electrical applications to body.....	607	<b>Vignoles .....</b>	238	125+	Glass composition .....	501	2+
Grain separator straw carriers.....	460	<b>Vinaigrette .....</b>	D11	184	Glass preform .....	65	33.1+
Gravity feed lubricator cutoff .....	184	<b>Vinblastine .....</b>	540	478	Hazardous or toxic waste		
Heat exchanger surface .....	165	In drug .....	514	283	containment.....	588	
Kinesitherapy .....	601	<b>Vincamine .....</b>	546	51	<b>Voice</b>		
Vibrant membrane.....	601	In drug .....	514	283	Artificial electric .....	704	258+
Liquid purification		<b>Vincristine .....</b>	540	478	Doll .....	446	297+
		<b>Vinegar .....</b>	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
<b>Void Former</b> .....	52 577	Impedance control.....	330 144+	<b>Vortex Tube for Cooling</b> .....	62 5
Within module.....	52 576	Thermal impedance control.....	330 143	<b>Vortical Separator</b> .....	209
<b>Volleyball</b> .....	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+
<b>Voltage</b>		Input coupling impedance		<b>Voting</b>	
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		<b>Volume Control Manual</b>		<b>Vulcanizable Gums</b>	
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)		<b>Volume Meters</b>		Electrophoretic or electroosmotic	
Stabilization (see regulator)		Calibration of.....	73 1.73+	coating or forming using.....	204 475+
<b>Voltage Magnitude Control</b>		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+	<b>Vulcanizing</b>	
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+
<b>Voltmeter (See Galvanometer)</b>		Receptacle filling		Presses.....	425 335+
Amplifier tube for.....	313 293+	Stationary measure.....	141	Processes	
<b>Volume Control Automatic</b>		Traveling measure.....	141 135+	Molding combined.....	264
Amplifier type with		Timing fluid flow.....	137 552.7	Synthetic resin or natural rubber.....	525 50+