

Fabric		INDEX TO CLASSIFICATION - F		Fastener	
Class	Subclass	Class	Subclass	Class	Subclass
Fabric (See Cloth; Metal; Paper; Textile; Web)		Wire	245 2+	Fans	417
Apparel per se	2	Design	D05 47+	Design, hand fan	D03 1+
Bed bottoms	5 186.1+	Design for floor or wall	D05 47+	Design, ventilation	D23 370+
Bolts or rolls for	206 389+	Making	140 3 R+	Fumigating evaporator	422 124
Boots and shoes	36 9 R	Working	140 107+	Furnace exhaust	110 162
Braided netted or lace	87	Woven	139 383 R+	Heat exchanger	165 87
Burnishing or lustering	26 27+	Fabric Softeners Compositions		Heater	392 360+
Cashmeres	D06 603+	For durable finishes	252 8.63	Hot air furnace with	126 110 R
Central or s american patterns	D05 20+	For laundry use	510 515+	Temperature regulating	236 10
Chemically modified of	8 115.51+	Face		Impeller making	
Coated	442 59+	Bandage	602 74+	Axial	29 889.3
Coating and printing	427	Bows dental	433 73	Centrifugal	29 889.4
Electrolytic	205 160	Orthodontic	433 5	Refrigeration combined	62 404+
Coating and uniting	156	Coverings	2 206	Automatic	62 186+
Coating and waterproofing compositions	106	With therapeutic means	607 139+	Process	62 89+
Coating with plasma (cold)	427 569+	False	2 206	Ventilation	454
Flame spray or plasma heat	427 446+	Hat combined	2 173	Faraday Shield	174 350
Pretreatment of substrate or post-treatment of coated substrate utilizing	427 538	Guards (see masks)	2 9	For conductor	174 32+
Cribs	5 98.1	Animal restraining type	119 821+	For radio apparatus	455 300+
Crocheted	66 193	Lifter orthopedic	602 17	Transformer with	336 69+
Damask	139 416+	Mill cutter		Fare	
Design	D05 109	Gear generating	409 10+	Box	232 7+
Distance measuring	33 732+	Rotary	409 64+	Recorder	346 33 R
Fastener made of	269 906*	Plates		Register combined	346 15+
Feeding	226	Electrical box	174 55+	Register	235 33+
Felt	442 320+	Electrical box	174 66+	Recorder combined	346 15+
Fence	256 45	Locks	70 450	Farinaceous Cereal Dough	426 496
Barbed	256 5	Luminous	250 466.1	Deep frying doughnuts	426 439
Fire retardant composition for	252 608	Receptacle closure	220 241	Fermentation	426 18
Chemically modified fiber	8 115.51+	Train vestibule	105 21+	Farm Buildings	52 198+
Folding	493 405+	Train vestibule expanders for	105 10+	Farm Machinery Equipment Tools (See Type)	
By reciprocating piler	270 30.01+	Protector	D29 108+	Cabs for self-propelling machinery	180 89.12
Hammocks	5 122+	Seal for a joint or juncture	277 358	Farriery (See Horseshoes)	168
Insect traps	43 118	Facer Construction (See Wall)	52	Calks	168 29+
Insulated electrical conductors	174 124 R	Concrete layer	52 378	Nonmetallic digest	168 DIG. 1
Plural layers	174 122 R	Disparate layers	52 506.01+	Overshoes	168 1+
Plural layers impregnated	174 121 R	Facer to shaft	52 474+	Shoeing stands	168 44
Knitted	66 169 R+	Plaster type	52 344+	Sole pads	168 26+
Design	D05 47+	Holding panel	52 443+	Tools	168 45
Laminated	442 248	Shingle type	52 518+	Traction shape digest	168 DIG. 2
Making	28 100+	Facings		Fastener (See Connection; Joint; Key; Lock; Securing Means; Spine; Tie)	292
Braiding, netting, lace making	87	Corrugated board	156 199+	Aircraft skin	244 132
Electrolytic	205	Frictional gear	476 72	Apparel	24
Felting	28 116+	Shirt	2 122	Attached to hat	132 57.1+
Felting methods	28 116+	Facsimile (See Copying; Pattern Control)	358 400+	Button and eyelet attaching	227
Finishing operations	26	Attribute control	358 2.99+	Coat collar	2 100
Knitting	66	Design	D14 462+	Design	D11 200+
Needling methods	28 107+	Electric engraving	358 3.29+	Fastener attaching methods	2 265+
Fluid needling	28 104+	Electric lights form mosaic		Metal stiffener with garment	
Sewing	112	Matrix	345 73	fastener	2 263
Weaving	139	Monogram	345 44+	Necktie	24 49.1+
Wireworking	140	Switching of lights by tape	200 46	Pocket	2 251
Medicated	424 443+	Photographs sent by electricity	358 400+	Shoe antislipping device	
Needled	442 270	Warp shedding	139 55.1+	combined	36 62
Nonwoven	442 327+	Factice	554 85+	Shoe sole	36 23+
Ornamenting mechanically	26 69 R	Fad (Flavin Adenine Dinucleotide)	536 26.25	Stiffener with attaching means	2 257
Parchmentizing and uniting	156 76	Fade Resistance Testing		Beds	
Preserving, disinfecting, and sterilizing		By exposure to light	378 38	Bedclothes to mattress	5 498
Biocidal compositions	424	Fading		Bedstead corner	5 288+
Fireproofing compositions	252 608	Bleaching processes for		Sheet having	5 496
Pressing	38	photographic purposes	430 461+	Mattress to bed bottom	5 411
Apparel	223 52+	Fagots Metal	428 588+	Bolts	411 378+
Hats	223 21	Fail-Safe		Book binding	281 27.3
Ratine like ornamenting by rubbing	26 27	Digital data processing systems	714 1+	Bottle or jar guard	215 29
Ravelers	28 171+	Digital logic	326 14	Brake shoe	188 234+
Reinforced (see reinforcement belts and fabric)		Electrical communications condition responsive indicating system	340 507	Brush and broom tuft	15 190
Sewing methods	112 475.01+	Engine fuel injection systems	123 479	Buckles buttons clasps etc.	24
Sifting elements	209 401+	Engine fuel pump cut off	123 359	Building	
Softeners compositions		In general purpose digital data processing control system applications	700 79+	Sash burglar alarm	116 16
For durable finishes	252 8.63	Positional servo systems with	318 563	Window bead	16 220
For laundry use	510 515+	Fair		Window pane wood	52 598+
Spotting eg by chenille	223 45	Leaders		Camera plate holder	396 647+
Stitched seams	112 475.01+	Cable guides	254 389+	Check label or tag	40 662+
Stretching frames	38 102.1+	Spar or ship timber attached	114 101	Clasp	24 455+
Tensioning, sewing machine	112 470.28+	Stitch machines leather sewing	112 31	Clip	24 455+
Testing	73 159	Fall		Closure	292
Tire	152 DIG. 14	Boards for piano cases	84 179	Adjustable backset	292 1.5+
Carcass material	152 563+	With desk	84 178	Bank protection	109 59 R+
Inner tube reinforcing	152 512	Tube fluid or vacuum pumps	417 150	Bank protection plural closure	109 7
Interliners	152 204	False		Bottle	215 273+
Off-drum manufacture	156 906+	Face	2 206	Bottle pivoted	215 237+
Toys covered with	446 269+	Hemstitch forming	112 179	Car journal box latch	384 190.7
Web making	19 296+	Teeth	433 167+	Envelope	229 77+
Wetless	428 292.1+	Twisters	57 332+	Lantern projector	362 374
Laminating	156	With drawing means	57 328+	Letter sheet wrapper	229 92.5
Winding	242 520+	Fancy Roll		Lock type	70 77+
		Fiber preparation	19 98+	Paper box	229 125.19+
		Fancy Yarn Making	57 317	Receptacle	220 315
				Ship	114 203
				Wood barrel	217 89

Class Subclass		Class Subclass		Class Subclass	
Composition		Wound web	242 579+	Design	D30 121+
Elastometric	269 907*	Zipper	24 381+	Livestock carrying vehicle type	119 408+
Fabric	269 906*	Slide	24 415+	Pen or rack	119 515
Leather	269 906*	Fatigue Testing of Materials	73 808+	Stall	119 521
Non-metallic	269 904*	By vibration	73 577+	Timer controlled	119 51.11
Paper	269 905*	Of structure	73 787	Bar or tube	226
Several materials	269 900*	Fatigue Treatment		Button fastening magazine	227 31+
Thermo-responsive memory	269 909*	Electrophotographic photoreceptor	399 128	Sewing machine mounted	112 113
Wood	269 905*	Fats		Capillary (see wick)	
Design	D08	Chemical modification	544 1+	Acetylene generator water	48 25+
Harness	D30 134+	Electrical discharge treatment	204 167	Coating machine of immersion type	118 401
Driven headed and screw threaded	411	Electromagnetic wave treatment	204 157.6+	Coating machine of solid applicator type	118 264+
Expanding anchor	411 15+	Fats & fatty oils with preservative	554 2+	Decanter and filter	210 294+
Explosive driving	411 440+	Fatty drying oil with preservative	106 263	Dispensing	222 187
Folding sectional receptacle	220 7	Fermentative treatment	435 271	Fluid distributor	239 145
Gun stock and barrel	42 75.01+	Foods containing	426 601+	Force feed lubricators	184 64
Hair	132 273+	Apparatus for	99 452+	Gas and liquid contact	261 75+
Harness		Preservation	426 321+	Water tube boiler	122 242+
Collar	54 21	Liquoring	8 94.23	Car unloading tilting track with	414 362+
Design	D30 134+	Microbiological processes	544 1+	Actuated by moving onto track	414 357
Hame	54 26+	for obtaining	544 1+	Rollable along underlying support	414 358
Pad	54 68	Ointments	424	Rotates about fixed axis	414 359
Hook-and-loop type	428 100	Removal from animal carcass	452 134	Cartridge body or belt attached	224 239
Trace and whiffletree	278 117	Solidifying	544 1+	Check controlled delivery	194
Key in lock retaining	70 429+	Splitting	554 160+	Check row planter	111 34+
Making		Synthetic	544 1+	Coating implement combined	401
Button fasteners	29 4	Fatty Acids (See Soap, Making)	562 606+	Fountain pen bifurcate nib type	401 222+
Lacing studs	29 12	Higher	554 1+	Consumable electrode for lamps etc	314
Paper fasteners	29 13	Hydrogenating, isomerising or otherwise modifying	562 606+	Control means	226 10+
Wire clips	140 82	Preparing from fats, oils or waxes	562 606+	Conveyers and feeders	
Musical instrument, stringed	84 297 R+	Refining	562 606+	Accumulator receiving separated item	209 933*
Nail, spike, tack	411 439+	Faucets (See Valves)		Ambulant	209 935*
Nuts	411 427+	Aerators	261 DIG. 22	Centrifugal feeder	209 915*
Paper integral making	493 390+	Barrel tap	137 317+	Diverse sequential feed steps	209 914*
Plastic	411 904*	Brackets	248 212+	Driven or fluid conveyer moves item from separating station	209 925*
Railway car journal brass	384 191.4	Drinking fountain combined	239 25+	Endless belt pusher feed item	209 917*
Railway tire	295 15+	Filter combined	210 418+	Endless conveyor & feed through	209 923*
Railway track	238 310+	Fixture	D23 238+	Endless feed conveyer, means for holding each item	
Splice bar	238 260+	Foam		individually	209 912*
Rake teeth	56 400	Carbonated fluids	137 896+	Fluid applied to items	209 932*
Rivets	411 500+	Carbonated fluids by aspiration	137 888+	Free fall item feeding	209 908*
Sail	114 108	Jet nozzle type	239 343	Gravity conveyer moving item from separating station	209 924*
Sash cord	16 202+	Handle design	D23 230+	Gravity influencing item moving	209 911*
Saw teeth	83 838+	Spigot joint means	285 8	Having opposed grippers	209 903*
Scaffolding pole	403	Water aerator for	239 428.5	Holding item by magnetic attraction	209 904*
Screws	411 378+	Fault Light Indicator	361 58	Holding item by suction	209 905*
Separable-fastener, two part	24 572.1+	Feather		Hopper	209 910*
With protruding filaments	24 442+	Apparel trimming making and applying	223 47	Inspection	
Sheet fabric or web	24	Coating	427 4	Illuminating means for visual	209 938*
Abrading tool cylinder to	451 490+	Coating or plastic compositions	106 124.7	Video scanning	209 939*
Abrading tool disk to	451 490+	Dyeing	8 404+	Item carrying bridge raisable to expose discharge opening	209 941*
Abrading tool handle to	451 524+	Fertilizers from	71 18	Item holding feed magazine insertable in sorting apparatus	209 909*
Bandage	602 79	Fiber preparation from	19 4	Magnetic feeder	209 907*
Bed bottom	5 194+	Fowl plucking machine	452 87+	Materials of construction	209 931*
Billiard or pool table	473 30	Imitation	428 6	Miscellaneous feed conveyers	209 922*
Carpet	16 4+	Implements for general cleaning	15 234	Moving items to sorting means in spaced relation lengthwise of feed path	209 934*
Conveyor gripper	198 803.3+	Mattress filling	53 524	Operator selects destination of item	209 942*
Copy holders	248 451+	Synthetic resin or natural rubber containing	524 10+	Oscillating or reciprocating	209 921*
Copying table cover	38 140	Treating or drying	34 280+	Reciprocating pusher feeds item	209 916*
Printing sheet	101 415.1	Treatment chemical	8 94.1 R+	Rotary feed conveyer	209 919*
Reeling & unreeling apparatus	242 532+	Working	223 47	Screw feed conveyer	209 913*
Shoe animal	168 17+	Feathering		Swinging or rotating pusher feeds item	209 918*
Shoe last instep block	12 137+	Impeller	416 98+	Testing plural items as group	209 936*
Sign letter fastener	40 620+	Paddle wheel sustaining aircraft	244 20	Trough with at least one endless conveyer	209 923*
Skate	280 11.3+	Wind motor tail vane	416 9+	Vibratory feed conveyer	209 920*
Ski	280 611	Feedback Amplifiers	330 75+	Cutter or comminutor having	
Slide	24 381+	Feeder (See Conveyor; Filler)		Sheets and bars	83
Applying to material edge	29 243.58	Abradant supplying	451 446+	Solid material	241
Cutting of	83 921*	Abrader coolant	451 449+	Dispensing	222
Making metal	29 408+	Abrading work	451 331+	Automatic weighers	177 116+
Making molded plastic	264 252	Abrasive supplying process	451 60	Check controlled	194
Apparatus	425 500+	Agitating	366 150.1+	Coating implement combined	401 137+
Sorter	209 929*	Interrelated discharging combined	366 131+	Corn popper with	99 323.9+
Staples	411 457+	Mortar mixers	366 30+	Inkwell combined	222 576+
Support clamp	24 455+	Mortar mixers discharging and	366 27+	Receptacle filling and closing	53 266.1+
Table leg	248 188	Air or steam		Distillation apparatus	202 262
Tacks	411 439+	Boilers	122		
Tent cover	135 119	Fluid pressure brakes etc	303		
Tentor hooks or clamps	26 93	Furnace	110		
Web condition responsive control	26 93+	Metallurgical furnaces	266 186+		
Tool handle	403	Stoves	126		
Umbrella	135 33.4+	Anesthetic	128 203.12		
Vehicle wheel		Animal food	119 51.01+		
Detachable section	301 9.1+	Bee	449 9+		
Nonresilient tire	301 87+	Building related	119 449		
Washers	411 531+	Cage	119 475+		
With tension indicator	411 8+	Battery	119 456+		
With torque responsive driving connection	411 1+	Transporting	119 454		
Work holders	269				
Wound strand	242 125+				

Class Subclass		Class Subclass		Class Subclass	
Dough cutter.....	425 289+	Leather skiving and splitting fixed knife.....	69 11+	Dispenser with retarded.....	222 477
Drilling machine feed mechanisms..	408 129+	Metal burnishing continuous.....	29 90.5	Web.....	226
Earth boring type.....	175 162+	Metal founding molds.....	249 106	Feeler Mechanism	
Electric conductors etc with fluid ...	174 15.6+	Metal heating and feeding		Lock condition indicating.....	70 438
Electrolytic apparatus		Sewing machine for articles		Looms	
Cells with.....	204 242+	attached by sewing.....	112 104+	Multicolor.....	139 233
Electrode.....	204 225+	Sewing machine work.....	112 303+	Pattern sensing.....	139 331
Feed water per se or combined		Solder or flux.....	228 33+	Replenishing.....	139 269+
Boiler.....	122 451 R+	Stock pushing or pulling.....	414 222.01+	Thread cutter combined.....	139 264
Boiler purification.....	210 311+	Textile embroidery hemstitching.....	112 82	Record sensing.....	235 475
Condenser feed heater type.....	165 112+	Textile felting.....	28 127+	Type distributors.....	276 23+
Distillation still heater.....	202 167	Textile fiber working.....	19 204+	Setting combined.....	276 5
Furnace.....	110 297+	Textile knitted fabric		Feet	
Gas pressure discharge of traps..	137 156+	manipulation.....	66 147+	Artificial.....	623 53+
Heater for boiler.....	122 412+	Textile knitting.....	66 125 R+	Furniture.....	248 188.8
Power plant furnace regulation.....	60 645+	Textile strand.....	226	Ladder.....	182 108+
Power plant furnace regulation.....	60 660+	Tool driving or impacting device.....	173 141+	Surface compensating.....	182 200+
Festooner.....	226 104+	Turning lathe carriage.....	82 132+	Stand.....	248 188.1+
Fluid current conveyer.....	406 108+	Web or strand.....	226	Table	
Diverse conveyer feeder.....	406 51+	Wire.....	226	Leg.....	248 188.1+
Single for plural conveyors.....	406 123	Wood shaving fixed knife.....	144 155+	Pedestal supported.....	108 150
Fuel		Wood turning.....	142	Pedestal supported extension.....	108 88
Aircraft structure.....	244 135 R	Woodworking.....	144	Wheel rim carried.....	305 4+
Coal tender.....	105 232	Woodworking match making.....	144 50+	Fellies	
Furnace combined.....	110 101 R+	Manure spreader load.....	239 650+	Expanding tire tightening.....	157 9+
Furnace type.....	414 147+	Material handling elevator.....	414 592+	Land wheel.....	301 95.101+
Nuclear reactor use.....	414 146	Mechanical gun magazine.....	124 45+	Making.....	144
Internal combustion engine.....	123 495+	Member driving machines magazine.....	227 82+	Felling Trees	
Progressive for furnace.....	110 267+	Motion picture strip intermittent.....	352 166+	Boots and shoes.....	36 9 R
Reciprocating piston		Music instrument automatic		Paper making.....	162
expandible chamber pump.....	417 437+	selectors.....	84 115+	Cleaners for porous material.....	162 274+
Straw burning furnace.....	110 196	Nail driving machine.....	227 107	Pickers instrument tuning.....	84 460
Trash burning cookstove.....	126 223	Ordnance cartridge.....	89 33.01+	Felt	
Valve retaining.....	261 DIG. 24	Paper tube making axial.....	493 302	Fabric.....	442 320+
Valves.....	261 DIG. 23	Paper web for recorder.....	346 136	Laminated.....	442 326
Wet fuel furnace underfeed.....	110 255+	Paper web forming regulator for.....	162 259	Paper making	
Gas manufacture		Pavement marking material.....	404 94+	Endless drying.....	34 523
Acetylene generator carbide.....	48 38	Pencil with.....	401 55	Paper pressfelts.....	162 900*
Acetylene generator water.....	48 4+	Pin feeders.....	226 52+	Felting	
Heating gas oil retort.....	48 106	Power driven conveyor and chute.....	198 523+	Chemical treatment precedent.....	8 112
Glass melt.....	65 325+	Printing inkers.....	101 335+	Glass or mineral wool.....	65 376+
Harvester grain adjusters.....	56 471	Multicolor.....	101 202+	Apparatus.....	65 505
Heat exchange.....	165 120+	Railway car stops releasable.....	104 252+	Hat making	
Invalid.....	414 9	Raking and loading machine.....	56 344+	Design.....	D15 135+
Article manipulator analogous		Rivet setting magazine.....	227 51+	Piano hammer.....	144 29
with hand, finger movement.....	414 1+	Screw conveyor opposed direction.....	198 657+	Fence	
Liquid.....	137	Screw conveyor plural direction.....	198 608	Barbs	
Acetylene generator.....	48 4+	Separating with.....	209	Attaching to wire.....	140 58+
Ambulant supply sprayers.....	239 146	Gas suspension.....	209 146+	Making.....	29 7.1
Barometric feed to cooler.....	62 397	Liquid suspension gravity.....	209 172+	Top guard.....	256 11
Battery electrolyte.....	429 72+	Paramagnetic.....	209 231+	Compound repair tools.....	7 117+
Bearing and guide material for		Sheet or strip material		Design.....	D25 38+
oil.....	384 181	Delivering or.....	271	Electric.....	256 10
Centrifugal distributor.....	239 215+	Electrolytic continuous		Insulator.....	174 137 R+
Concentrating evaporators.....	159 43.1+	electrode.....	204 206+	Hardware for.....	D08
With alternating operating		Label pasting machine.....	156 569+	Jet engine blast deflector.....	244 114 B
means.....	159 43.2	Magnetic recording, moving head.....	360 81+	Lighting.....	362 152
Diffusers slow.....	239 34+	Magnetic recording, stationary		Lock.....	70 321+
Electrolytic apparatus.....	204 193+	head.....	360 88	Molds.....	425 84+
Fountain pen.....	401 222	Measuring combined.....	33 732+	Noise baffle between airport	
Fountain pen force		Mechanical sound reproducing.....	369 258.1+	and highway.....	181 210
feed or filler.....	401 143+	Endless.....	369 259	Post design.....	D25 126+
Fountains.....	239 16+	Motion picture.....	352 166+	Static mold.....	249 143+
Gas and liquid contact		Nail and peg driving implement.....	227 96	Wire making.....	140 3 R+
apparatus.....	261	Platen combined.....	281 6+	Wrapper for wire fencing.....	206 389+
Liquid contact with solids.....	134	Shoe nailing and stapling		Fencing	
Liquid suspension separating.....	209 155+	machines.....	227	Exercise device.....	482 12
Locomotive cab squirts.....	239 174	Tack driving implement.....	227 136	Game.....	463 47.1
Metallurgical furnace.....	266 186+	Telegraphic recorder.....	178 42	Fencing Apparatus	482 12
Mineral oil distillation.....	196 135	Telegraphophones photographic.....	369 125	Fender (See Mudguard)	
Purification, material feed		Tobacco treatment.....	131 290+	Automobile light combined.....	362 487+
controlled.....	210 101	Typewriter paper.....	400 578+	Boat.....	D12 168
Purification, treating material		Typewriter ribbon.....	400 223+	Bridge pier combined.....	405 76
addition.....	210 199+	U strip staple forming and		Carpet sweepers.....	15 45
Self proportioning systems.....	137 87.01+	setting machine.....	227 82+	Covers	
Sprinklers, sprayers, diffusers.....	239	Shockers automatic.....	56 402+	Automobile.....	280 762+
Stratifier.....	209 500+	Sifting.....	209 243+	Design, fireplace.....	D23 403+
Water purification chemical.....	210 198.1+	Discharging and.....	209 240+	Horse rake.....	56 399
Lubrication.....	184	Horizontal drum.....	209 284+	Land vehicle including railway car.....	293
Main conveyor and collecting wing.....	198 601	Sorting automatic with.....	209 509+	Marine structure.....	405 212
Manicuring device with fluent		Strand.....	226	Plant protecting.....	172 509+
material.....	132 74.5	Stratifiers with.....	209 497+	Railway car combined with draft.....	213
Manufacturing device combined (see		Discharging and.....	209 488+	Roof.....	52 24+
device per se)		Suction operated feed valve.....	261 DIG. 49	Scuff plate.....	280 848
Ammunition and explosive		Tool driving or impacting device.....	173 141+	Ship.....	114 219+
charge making.....	86 45+	Track sanders.....	291 25+	Stove.....	126 201+
Ammunition loading.....	86 23+	Type case.....	276 45	Vehicle.....	293
Can body.....	413 70+	Valve		Design.....	D12 186
Can head.....	413 45+	Acetylene generator gas & water.....	48 58	Magnetic fender securing device.....	293 DIG. 6
Can head seamer with.....	413 27+	Dispenser transfixing.....	222 510	Pusher attachment for tractors.....	293 DIG. 1
Cigar and cigarette making.....	131 38+	Dispenser with.....	222 544+	Ferment	
Laminated fabric hose making.....	156			Medicine containing.....	424

Class Subclass		Class Subclass		Class Subclass	
Fermenting	435	With tv camera.....	348 359	Wheeled.....	446 269+
Animal foods.....	426 53	With video display.....	348 804	Filament (See Strand; Wire)	
Apparatus.....	435 283.1+	Fluid treatment of.....	8 147+	Bonding apparatus.....	156 441
Beverages.....	426 7+	Glass compositions.....	501 35+	Bonding methods.....	156 60+
Apparatus.....	99 275+	Glass manufacturing.....	65 376+	Filament formation.....	156 167
Fertilizers.....	71 8+	High modulus.....	428 902*	Filaments only.....	156 180+
Tobacco treatment.....	131 308	Insulated electric conductor.....	174 124 R	Filaments winding.....	156 169+
Ferments Acclimatization	435 245	Plural layers.....	174 122 R	Stressed filaments.....	156 161
Ferris Wheel	472 45+	Plural layers impregnated.....	174 121 R	Cereal.....	426 560
Ferrocenes	556 143+	Isocyanate & carbonate fiber		Container for non-spooled.....	206 388
Ferrocyanogen Compounds	423 364+	modification.....	8 DIG. 11	Container or wrapper for coiled.....	206 389+
Ferroelectric		Layers needled.....	442 388	Cutting filament-to-staple fiber.....	83 913*
Battery.....	136 254	Liberation & paper making.....	162	Distributing explosive device.....	102 504
Information storage and retrieval		Making		Electric lamp.....	313 341+
Interconnection.....	365 65	Powder metallurgy.....	419 4	Compositions.....	252 500+
Radiant energy.....	365 117	Micro fiber.....	428 903*	Mounting methods.....	445 29+
Photoconductivity and.....	365 109	Optics.....	385 +	Electronic tube.....	313 341+
System with particular element..	365 145	Sign.....	40 547	Replaceable filament.....	313 237
Ferrous Alloys		Polyvinyl halide esters or alcohol		Etching.....	216 7
Composition.....	420 8+	fiber modification.....	8 DIG. 10	In electronic tube.....	315 46+
Electrolysis		Preparation (see textile prep).....	19	In electronic tube.....	315 49
Aqueous bath coating.....	205 238+	Refractory compositions.....	501 95.1	Laminating.....	156 166
Aqueous bath synthesis.....	205 557+	Retting		Lantern projector combined.....	362 211+
Fused bath synthesis.....	205 365	Chemical.....	162 1+	Making	
Treatment.....	205 704+	Fermentation.....	435 279+	Electric conductor.....	156 47+
Electrothermic processes.....	75 10.1+	Rods.....	385 +	Electroforming.....	205 76+
Heat treatment.....	148 579+	Fiber optics.....	358 901.1*	Electrolytic apparatus.....	204 206+
Special composition with.....	148 625+	Photocopy device use.....	355 1	Electrophoretic coating or	
Working combined.....	148 648+	Spinning mechanical.....	57 315+	forming of sheet, web, wire,	
Pyrometallurgy.....	75 507+	Staple length.....	428 359+	or filament of indeterminate	
Ferrule	16 108+	Strand structure.....	57 200+	length using rubber or	
Assembly and disassembly.....	29 282	Swelling & stretching.....	8 DIG. 3	vulcanizable gum.....	204 476
Hand tools.....	29 280+	Testing.....	73 159+	Glass apparatus.....	65 483+
Percussive or explosive		Textile (see type)		Glass processes.....	65 376+
operator.....	29 255	Coated or impregnated.....	442 59+	Optical fibers.....	65 385+
Design.....	D04 199	Treatment		Liquid comminuting and	
Digest, brushes & cleaning tools.....	15 DIG. 4	Bleaching.....	8 101+	solidifying apparatus.....	425 6+
Making		Carroting.....	8 112	Liquid comminuting and	
Metalworking methods.....	29 428+	Chemical modification.....	8 115.51+	solidifying processes.....	264 5+
Wireworking.....	140 76	Cleaning or laundering.....	8 137+	Metal casting.....	164 423+
Ring ferrules.....	16 109	Coating.....	427 412	Metal drawing.....	72 274+
Ferry		Coating, general processes.....	427	Metal working plastic.....	72 253.1+
Boats.....	114 70	Utilizing polymerization.....	427 501	Molding apparatus.....	425 66
Slips.....	114 231	Comminution.....	241	Molding apparatus.....	425 67
Suspended car or load carrier.....	104 90	Dyeing.....	8	Molding apparatus.....	425 76
Fertile Nuclear Conversion Material		Electrolytic treatment of		Molding apparatus.....	425 382.2
(See Nuclear Reactions,reactors)	376 172	organic fibrous material.....	205 689+	Molding processes.....	264 165+
Fertility, Pregnancy	436 510	Electrostatic charge utilized.....	427 462+	Powder metallurgy.....	419 4+
Fertility tests.....	435 806*	Fluid apparatus.....	68	Spinning twisting or twining.....	57
Fertilizers	71	Fluid processes manipulative.....	8 147+	Textile misc processes.....	28 299
Adjuvant.....	504 358+	Liberation chemical.....	162 1+	Metal.....	428 606
Apparatus.....	422 193+	Liberation physical.....	19 1+	Coating of.....	427 216+
Based on ammonium phosphates.....	71	Swelling or plasticizing.....	8 130.1+	Compound.....	428 607
Chelating agent.....	71 DIG. 2	With structure or coating.....	428 364+	Multiple filament lamp and	
Containing non-fertilising.....	71	Fiber Board Making	156 62.2+	electronic tube.....	315 64+
additives.....	71	Fiber Board Making	264 109+	Spun twisted or twined.....	57 200+
Defluorination.....	71 DIG. 3	Fiber Optic Lamp	D26 27	Design yarn cord.....	D05 7+
Distributing machines.....	222	Fiber-Reactive Azo Dyes	534 617+	Stock material.....	428 364+
Application to plant.....	47 48.5	Fiberglass		Supply circuit for electronic tube.....	315 94+
Scattering unloaders.....	239 650+	Coating.....	427 389.8	Testing.....	73 160
Distributing machines below ground	111	Fishing rods.....	43 18.5	Tires combined.....	152 168
In irrigating systems.....	47 1.01 R	Metallic receptacles digest.....	220 DIG. 23	Transformer.....	336
Festoon	428 10	Fibrillation		With anode supply winding.....	336 170+
Collapsible.....	428 9	Cellular materials.....	264 DIG. 8	With anode supply.....	315 94+
Paper,making.....	493 957*	Diagnostic testing for.....	600 518	With grid bias.....	327 530+
Festooning (See Loopers)		Textiles fibrillated.....	57 907*	With grid bias power packs.....	307 150
Fettors		Fibroin	106 124.1+	File or Filing	
Animal husbandry.....	119 816	Fids	114 221 R	Binder device releasably engaging	
Butchering.....	452 187+	Field		aperture or notch of sheet.....	402
Design.....	D30 151+	Artillery.....	89	Cabinet with material retainer.....	312 183+
Portable locks.....	70 15+	Mounts.....	89 40.01+	Cabinet, design.....	D06 432+
Fez	D02 865+	Glasses.....	359 407+	Card spacer.....	283 36+
Fiber (See Filament)		Design.....	D16 133+	Dental.....	433 141+
Bicomponent.....	428 373	Holders.....	359 409+	Directory.....	40 371+
Blend.....	162 181.1	Optics.....	359 795	Folder.....	493 947*
Blend.....	162 141	Magnet for electric machine.....	310 180+	Handles.....	407 29.15
Bonding apparatus.....	156 433	Field Sport Devices	482 14+	Hoof trimming.....	168 48.1+
Bonding methods.....	156 166+	Fifth Wheel		Leather.....	69 1
Bristles.....	15 159.1+	Land vehicle		Implement.....	69 20
Brushes design.....	D04	Articulated.....	280 433+	Manicuring.....	132 76.4+
Chemical modification of.....	8 115.51	Running gear swinging axle.....	280 80.1+	Combined in compound tool.....	132 75.6
Cleaning or laundering.....	8 137+	Figure		Metal and metal working files.....	29 76.1+
Coating.....	427 212	Decorative with illumination.....	362 808*	Cleaning and resharpening by	
Coating with.....	427 180+	Toys.....	446 268+	sand blast.....	451 79
Composite.....	428 373+	Air actuated.....	446 199+	Electrolytic cleaning.....	205 705+
Crimped.....	428 370	Aquatic.....	446 156+	Electrolytic resharpening.....	205 640+
Composite metal.....	428 607	Design.....	D21 576+	Making.....	76 12+
Composition (see type)		Knockdown.....	446 97+	Processes of abrading.....	451 32+
Crimped.....	428 369+	Spinning or rotating.....	446 236+	Pencil sharpening (see pencil	
Staple length.....	428 362	Toy money box with coin deposit		sharpener).....	407 29.1+
Dyeing & bleaching.....	8	figure release.....	446 10+	Rasps and.....	407 29.1+
Fiber optics.....	358 901.1+	Velocipede type.....	280 1.13+	Receptacle file partition.....	220 529+

Class Subclass	Class Subclass	Class Subclass
Rifle file..... 40 372	Mineral oil..... 208 360	Refrigeration combined..... 62 317
Rotary or flip card..... D19 75	Editor viewer..... 352 129	Glare screen on vehicle body..... 296 97.1+
Sharpening tools by..... 76 82+	Electroforming of..... 205 76+	Heat exchanger combined..... 165 119
Saw sharpening..... 76 31+	Electroplating of..... 205 152+	Heat ray..... 359 350+
Sorting type desk..... 211 11	Nonconducting..... 205 159+	Heating boiler combined..... 122 431
Fillers	Flotation separation..... 209 207	Internal battery cell having..... 204 249
Barometric control of dispenser..... 222 479	Forming apparatus..... 425 223	Light ray..... 359 885+
Bars for beds..... 5 283	Forming apparatus..... 425 224	Color photographic elements..... 430 495.1+
Cables conduits with fluid or vacuum..... 174 8+	Forming process..... 264 165+	Color photography..... 430 357+
Cables conduits with insulation..... 174 68.3+	Heaters and vaporizers..... 122 39	Hand lamp..... 362 166+
Composition..... 106 400+	Holders..... 396 517+	Infrared..... 359 350+
Shoe..... 106 38	Motion picture..... 352 232+	Projection dimmer..... 362 257+
Curtain shade or screen seals..... 160 40+	Rewinder..... 242 324+	Signal lamp..... 362 166+
Dispenser and receiver combined... 141 173	Storage cans..... 352 78 R	Ultraviolet..... 359 350+
Portable receptacle..... 141 173+	Photographic..... 430 495.1+	X ray..... 378 156
Dispenser with refilling of supply... 141 18+	Acetate recovery from..... 536 78	Liquid
Ditch..... 37 142.5	Badges..... 250 475.2	Congeaing liquid process..... 62 67
Floor mats pivoted link..... 15 240	Cabinet..... 312 10.1	Design treatment..... D23 209
Fountain pen combined..... 401 118+	Cartridge or pack..... 430 471	Frozen constituent removal..... 62 123+
Force means in filler..... 141 20.5	With structure..... 396 511+	Purification or separation..... 210 500.1+
Gas generator..... 48 74	Cleaner..... 15 100	Purifying..... 210 348+
Insulating heat or sound..... 252 62	Coating apparatus..... 118	Refrigeration combined..... 62 318+
Mattress..... 5 690+	Coating processes..... 430 935*	Sediment testing..... 73 61.63+
Foam materials..... 5 740	Color..... 430 541+	Oil, fuel entering nozzles or float chamber..... 261 DIG. 40
Pastry..... 99	Developing machines..... 396 564+	Optical..... 359 885+
Pastry..... 425 230+	Digest, drying & gas or vapor contact with solids..... 34	Compositions..... 252 582+
Printing member..... 101 402+	Fluorescent screen..... 250 475.2	Making coating..... 427 162+
Rail joint containing..... 238 163	Guides developing apparatus..... 396 646	Press..... 210 224+
Safe wall structure combined..... 109 84	Holders..... 396 517+	Ray generation combined..... 250 503.1
Sheet metal cup die shaping..... 72 54	Metal recovery from photographic material	Refrigerant..... 62 474+
Sound mufflers having..... 181 282	Hydrometallurgy..... 75 713	Automatic..... 62 195
Synthetic resin or natural rubber (see class 523, 524)	Pyrometallurgy..... 75 635	Process..... 62 85
Wheel web combined..... 295 23	Pyrometallurgy combined with hydrometallurgy..... 75 417	Smoking device..... 131 202+
Filleting	Nitrate recovery from..... 536 40	Smoothing..... 333 181+
Chicken..... 452 135+	Processing machines..... 396 564+	Sound..... 181 175+
Fish..... 452 161	Processing, manipulative..... 396 564+	Miscellaneous electronic device type..... 327 551+
Filling	Radioactive sensitive..... 430 942*	Still vapor treating..... 202 200
Abrasive bag making..... 51 294	Projector..... 353	Tuning fork..... 333 186+
Ammunition cartridge packing..... 86 47+	Motion picture..... 352 232+	X-ray..... 976DIG. 440+
Ammunition loading..... 86 23+	Reel..... D14 484	Filtering
Attachments for metallic receptacles..... 220 86.1+	Reflection reducing on optical surfaces..... 359 580+	Electrolytic treatment of water, sewage, or other waste water combined..... 205 751+
Automatic weigher..... 177 116+	Motion picture..... 352 233	Gas purifying..... 95 273+
Removable weigh chamber..... 252 62+	Splicer	Expansible chamber device with... 92 78
Bags..... 141 313+	Design..... D08 70.1	Liquid metal..... 75 407+
Bail stopper type..... 53 265	Machine..... 83 948*	Liquid purifying..... 210
Barometric control of dispensing..... 222 479	With wound supply..... 242 551+	Expansible chamber device with... 92 78
Battery grid processes..... 141	Spool..... 242 348+	Mode..... 333 248+
Bottles..... 141	Strand, for..... 242 118+	Polarization..... 333 248+
Brush making machine..... 300 9	Stills separatory..... 202 236	Oil purification..... 208 177+
Capsules..... 141 237+	Stripping sensitized film..... 430 264	Dehydration..... 208 187
Cigarette making by tube..... 131 70+	Type of concentrator and evaporator..... 159 5+	Vapor treatment..... 208 347+
Confectionery machines..... 99	Vaporizer for mineral oil..... 196 128	Radiant energy in space..... 343 909+
Confectionery machines..... 425 130+	Video cassette type (design)..... D14 477	Sugar treatment..... 127 55
Container refilling by dispensing means..... 141 21+	Winding apparatus, motion picture... 242 324+	Treating drying or solid contacting gas or vapor by..... 34 82
Dental..... 433 226+	X ray apparatus using..... 378	Vaporous metal..... 75 407+
Carrier..... 433 163	Filter (See Filtering)	Finance, Computer Applications 705 35+
Compositions..... 106 35	Aid..... 210 500.1+	Bill preparation..... 705 34
Dispenser and receiver combined... 141	Applying means..... 210 193	Checkbook balancing..... 705 33
Distillation retorts..... 201 40	Applying process..... 210 777+	Credit or loan management..... 705 38
Golf ball making..... 156 146	Aquarium..... 210 416.2	Electronic funds transfer..... 705 39
Match boxes..... 53 236	Aquarium combination..... 119 259+	Requiring authorization..... 705 44
Match making combined with..... 144 61	Choke input..... 333 181+	To pay bills..... 705 40
Dipping frames..... 144 63+	Cigarette or cigar..... 131 331+	Using cryptography..... 705 64
Milk receptacle with funnel..... 232 43	Color filter..... 359 885+	Able to use multiple cards..... 705 73
Paper receptacle closing by plural steps with..... 53 266.1+	Photographic chemically defined..... 430 7+	Anonymous user..... 705 74
Paper receptacle filling & closing..... 53 467+	Container or wrapper for..... 493 941*	Authorization to proceed..... 705 76
Plastic molding blank covering &..... 425 110+	Crystal..... 333 187+	Charge determination at..... 705 77
Portable receptacles..... 141	Decoupling..... 333 181+	remote site..... 705 77
Cooking combined..... 99 356	Diaphragm type cell having..... 204 264	Communication between..... 705 79
Shoe filling appliers..... 12 18.1+	Dispenser combined..... 222 189.06	two financial networks..... 705 79
Processes..... 12 148	Electric current frequency..... 333 167+	Initializing..... 705 73
Storage batteries..... 429 72+	Electrical	Key management..... 705 71
Subterranean cavity with cement... 405 267	Balancing in radio receiver..... 455 339	Radio communication..... 705 73
Weaving (see weft)..... 139	Blocking type..... 333 167+	Specialized keypad..... 705 73
Film	Digital..... 708 300+	Specialized terminal..... 705 73
Accumulating dispensers..... 222 423	Frequency modulation for receiver..... 455 213	Transaction confirmation..... 705 75
Discharge assistant type..... 222 403	Noise control..... 455 307	Verification of (pin)..... 705 72
Removable from supply container 141 112+	Antenna coupling..... 455 286	With intelligent token..... 705 65
Badges	Electrolyte feeding combined..... 204 276+	Balancing account..... 705 68
Radioactivity..... 250 472.1	Electrolyte treatment..... 204 240	Detecting double spending..... 705 69
Burster sounding toy..... 446 181+	Electrolyte recirculation..... 204 238	Initializing or reloading..... 705 66
Processes..... 159 49	Leacher dissolver or extractor..... 204 235	With authentication..... 705 67
Cassette..... D14 475+	Furnace door combined..... 110 179	With paper check handling..... 705 44
Cine film..... 430 934*	Gas..... 96	Forecasting..... 705 10
Container or wrapper for..... 206 389+	Frozen constituent removal..... 62 642	Insurance policy assessment..... 705 4
Distillation separatory..... 203 72	Process..... 95 273+	Portfolio management..... 705 36
Distillation separatory..... 203 89		Remote banking..... 705 42

Class Subclass		Class Subclass		Class Subclass	
Using an (atm).....	705 43	Steering ships.....	114 152	Converted to spring gun.....	124 28
With cryptography.....	705 70	Submarine diving.....	114 331+	Design.....	D22 100+
Tax preparation.....	705 71	Vertical on aircraft.....	244 91	Firing mechanism.....	42 69.01+
Third party billing for business.....	705 53	Fire (See Burner; Fireproof)		Imitation, light flashing.....	362 112
data processing.....	705 53	Alarms		Light combined.....	362 110+
Time-based billing.....	705 32	Electric detectors.....	340 577+	Magazine chargers.....	42 87+
Trading stocks, bidding.....	705 37	Electric system automatic.....	340 577+	Making.....	42 16.1
Will information management.....	705 4	Electric systems.....	340 287+	Making.....	42 75.1
Finder		Smoke bells.....	362 379	Making.....	42 107
Camera view.....	396 373+	Thermal control.....	116 101+	Muzzle loaders.....	42 51
Distance and vertical angle.....	33 284	Thermal electric switch.....	337 298	Pistol swords.....	42 53
Electric trolley.....	191 72+	Thermometer systems.....	374 141+	Plural triggers.....	42 42.02
Optical accessories for photography.....	396 373+	Electrical.....	374 166+	Revolvers.....	42 59+
Ground glass.....	396 150+	With indicator.....	116 5	Sights.....	42 111+
Switches for telephone systems.....	178 16+	Brick.....	501 94+	Silencers or mufflers.....	181 223+
Finger		Design.....	D23 422	Simulating	
Article manipulation by finger		Cigarette lighters.....	D27 141+	Dispenser.....	222 79
like movement.....	414 1+	Dampers, building.....	454 369	Light.....	362 157+
Attachable coating implement		Detector (see alarms)		Stocks.....	42 71.01+
with material supply.....	401 6+	Doors furnace.....	110 173 R+	Toy.....	42 54+
Attachable or conforming penholder.....	15 443	Electric starter device.....	D07 416+	Design.....	D21 572+
Attachments handling implements.....	294 25	Engine.....	169 24	Firebox (See Furnace)	
Automatic musical instrument		Boiler feed heater.....	122 418+	Feeding steam air or water.....	110 297+
selector.....	84 117	Heating system combined.....	237 12.2	Feeding water to.....	110 297+
Blotter attachment.....	34 95.2	Hose and ladder type.....	280 4	Fire tube.....	122 44.1+
Boards for stringed instruments.....	84 314 R	Ladder or escape.....	182 63.1+	Flue.....	122 135.1+
Cots or protectors.....	2 21	Extensible type.....	182 68.1+	Fuel dispenser installed in.....	431 159
Cutting tool, finger supported.....	30 298	Escape.....	182	Liquid heater or boiler combined.....	122
Blade guard or guide.....	30 291	Rope and brake.....	188 65.1+	Locomotive	
Shears.....	30 232	Extinguisher.....	169	Structure combined.....	105 37+
Exercisers.....	482 44+	Boiler fires.....	122 504+	Type combustion features.....	110
Kinesitherapy.....	601 40	Compositions.....	252 2+	Type water heating.....	122
Music.....	84 465+	Fire retarding.....	169 45	Smoke and gas return to.....	110 203+
Glove.....	2 163	Design.....	D29 125+	Solid fuel.....	110 317+
Guard for door.....	49 383	Gas agent.....	169 11+	Straw and wet fuel burning.....	110 196
Harvester cutter guard.....	56 310+	Toy vehicle.....	446 432	Water	
Bars and.....	56 307+	Extinguishing.....	169	Tube.....	122 235.34+
Sickles and.....	56 298	Aerial fire apparatus.....	244 136	Wall.....	122 294
Supplemental lifting.....	56 312+	Methods of spraying fluids.....	239 1+	Firebrick	
Interlocking bed corners.....	5 295	Nozzles automatic.....	169 37+	Carbide containing.....	501 87+
Letter box guard.....	232 54	Processes chemical.....	169 43+	Design.....	D23 422
Print		Shipboard.....	169 5	Refractory.....	501 94+
Fingerprinting outfits.....	118 31.5	Fighting.....	D29	Firecracker	102 361
Identification type printed		Hose.....	D23 266	Firedamp	
matter.....	283 69	Hose nozzles.....	239	Analyzing and testing apparatus.....	422 50+
Methods.....	427 1	Design.....	D23 213+	Indicators.....	73 23.2+
Printed matter alteration		Hydrant.....	D23 234	Firedogs	126 298
preventing.....	283 69	Ladder.....	D25 62+	Design.....	D23 407
Release for control lever pawl.....	74 537+	Mask.....	D29 108+	Firefighting (See Fire)	
Ring		Vehicle design.....	D12 13	Fireless Cookers	
Blotter supporting.....	34 95.2	Kindling.....	431 6+	Heat accumulators.....	126 400
Jewelry.....	63 15+	Composition.....	44 542+	Open top liquid heating vessel.....	126 375.1
Jewelry design.....	D11 26+	Design solid fuel.....	D13 100	Ovens.....	126 273.5
Making and sizing.....	29 8	Matches design.....	D27 139+	Fireplace	126 500
Metal founding molds.....	249 57	Nuclear reactor.....	976 DIG. 151	Arches.....	52 219
Penholder supporting.....	15 443+	Plate.....	126 148	Dampers.....	126 536
Supports for tobacco users.....	131 258	Pots and linings.....	126 144+	Design.....	D23 343+
Stringed instrument fingering		Thermostats.....	236 104	Fenders.....	126 201+
devices.....	84 315+	Preventing		Design.....	D23 403+
Stringed instrument picks.....	84 322	Devices, design.....	D29	Grates.....	126 540+
Supported cutting tool.....	30 298	Receptacle attachments.....	220 88.1+	Design.....	D23 398+
Typewriter paper feeder.....	400 645+	Textile apparatus.....	68 209	Heating systems having.....	126 509
With feed roller.....	400 638+	Retarding composition.....	252 601+	Logs	
Finger Cot	D04 103	Biocidal composition with.....	424	Electric.....	472 65
Fingernail		Containing gas.....	252 605	Gas.....	431 125+
Brush.....	D28 57	Dispersion or colloidal systems.....	252 611	Gas design.....	D23 409
Polish.....	424 61	Fiber chemically modified.....	8 115.51+	Mantel design.....	D23 404
Removers.....	510 118	For living matter.....	252 603	Screen.....	126 544
Fingerprinting	427 1	For synthetic polymer.....	252 609	Digest.....	16 DIG. 11
Finial (See Product)		Intumescent.....	252 606	Shelves.....	126 505
Drapery rod.....	D08 378+	Paper-making or fiber liberated.....	162 159	Fireproof (See Fire, Retarding; Insulating, Heat)	
Pendant or finial type article.....	428 28	Stock material mechanically		Miscellaneous compositions.....	252 601+
Finings	426 654	interengaged strands.....	442 136+	Plastic or coating compositions.....	106 15.05+
Apparatus.....	99 277.1+	Fire or flame proof features.....	428 921*	Reactive building component.....	52 232
Finishing		Synthetic polymer use.....	252 609	Stock material.....	428 920*
Block concrete or ceramic.....	264	Trees, grass use.....	252 603	Synthetic resin or natural rubber	
Bolt heads.....	470 150+	Woven material use.....	252 608	(see synthetic resin or natural rubber)	
Fabric.....	26	Screen.....	126 544	Cellular product.....	521 50+
Seams stitching combined.....	112 217	Starting devices.....	D07 416+	Fireworks	102 335+
Nails horseshoe.....	470 64+	Stop.....	52 317	Loading.....	86 20.1+
Cutting combined.....	470 114	Telegraphs.....	340 287+	Firing	
Paper.....	162 204+	Tong.....	294 11	Clayware processes.....	264 603+
Pavement.....	404 83+	Design.....	D08 52+	Devices or mechanisms	
Stereotype plate.....	29 21	Tube.....	122	Ammunition & explosive devices.....	102 200+
Planing backs.....	409 309+	Fire-Polish Glass	65	Automatic firearms and guns.....	89 132+
Straps leather.....	69 17	Firearm (See Gun)	42	Blasting.....	102 200+
Thread.....	28 217+	Automatic.....	89 125+	Drop bomb.....	102 396
Type casting combined.....	199 81+	Barrels.....	42 76.01	Firearm nonautomatic.....	42 69.01+
Fins		Bayonets.....	42 86	Gun cartridge.....	102 470+
Heat exchanger.....	165 185	Bolt making.....	29 903*	Mechanical guns.....	124 31+
Nuclear fuel having.....	376 435	Breech loading.....	42 2+		
Stabilizing ships.....	114 126	Cane guns.....	42 52		

Class Subclass		Class Subclass		Class Subclass	
Mine.....	102 424+	Badge.....	40 1.5	Bicycle operated generator.....	362 193
Mines marine.....	102 416+	Design.....	D11 165+	Design.....	D26 37+
Ordnance nonautomatic.....	89 27.11+	Design, insignia or jewelry.....	D11 165+	Hand generator per se.....	310 50
Electric.....	89 28.05+	Pole or post structure.....	52 831+	Hand operated generator.....	362 192
First Aid		Socket.....	52 298	Electric generator combined.....	362 192+
Cabinets.....	312 209	Staff.....	116 173+	Bicycle.....	362 193
Kits.....	206 570+	Decorative element.....	52 301	Flash powder and photoflash.....	431 357+
X-art collection.....	206 803*	Staff type support.....	248 511+	Flask	
Fischer-Tropsch Crude Processing..	208 950*	Flagpole	52 831+	Adjustable.....	164 377
Fischer-Tropsch Synthesis.....	518 700+	Design.....	D11 181	Pattern with.....	164 237+
Fish (See Fishing)		Holder.....	D11 182+	Plastic molding.....	425 175+
Butchering apparatus.....	452 +	Segmented.....	52 848	Flat Pack Electronic Device.....	174 524
Culturing.....	119 215+	Socket.....	52 298	Flat Tire Alarm	
Fish bowl design.....	D30 101+	Flail		Electric.....	340 442
Hooks.....	43 43.16	Cotton harvester.....	56 29	Switch.....	200 61.22+
Knife for kitchen use.....	D07 649+	Threshing machine.....	460 61	Nonelectric.....	116 34 R
Liver extraction		Flails Flexible	451 466+	Flatiron	38 74+
Fats etc.....	554 18	Flake Ice Making	62 320+	Design.....	D32 68+
Medicine containing.....	424 554+	Flakes		Heating	
Vitamins.....	260	Coating.....	427 212+	Automatic temperature	
Net.....	43 7+	Electroforming.....	205 74	regulators.....	236 7
Design.....	D22 135	Flame (See Fire; Fireproof)		Electric.....	219 245+
Fabric and processes for making... ..	87 12	Arc lamp.....	313 231.01+	Liquid and gaseous fuel.....	126 230
Making apparatus.....	87 53	Movable electrode.....	314	Self heating liquid and	
Plates.....	238 243	Arrester.....	48 192	gaseous fuel.....	126 411+
Special, bolt or nut to		Dispenser having.....	222 189.01	Stove and furnace.....	126 227+
substructure lock.....	411 94	Receptacle having.....	220 88.1+	Stands combined.....	38 142
Fisherman's Tool	D22 149+	Respirator.....	128 202.24	Steam.....	38 77.1+
Fishing	43 4+	Bonding by.....	228 902*	Support.....	248 117.1+
Amusement fish ponds.....	273 140	Colorant composition for fuel.....	44 642	Ironing table combined.....	38 107
Automatic hooks.....	43 15+	Deflector		Flats	
Bait, tackle, and catch container.....	43 54.1+	Deflector in furnace.....	431 171+	Bed bottoms.....	5 186.1+
Bait or lure carrier.....	224 920*	Resistance, coated.....	427 393.3	Carding.....	19 113
Minnow buckets.....	43 56	Retardant, textile collection.....	57 904*	Grinding.....	451 416+
Design.....	D22 136	Thrower.....	431 91	Stationary.....	19 104
Baskets and creels.....	43 55	Flanger		Stripping.....	19 110+
Belt with lure holder.....	D03 221+	Pipe or tube.....	72 316+	Traveling.....	19 102
Containers & carrying cases.....	D03 260	Sheet.....	72 101	Flattening (See Crusher;	
Design.....	D22 134+	Flannel and Flannelette Napping	26 29 R+	Straightening Devices)	
Equipment.....	D22 134+	Flap		Glass.....	65 67
Files, work holder for.....	269 907*	Bag closures.....	383 84	Sheet material rolling or	
Fish traps.....	43 100+	Envelope moistening & sealing.....	156 441.5	wrapping combined.....	53 116+
Hook shelling.....	242 448+	Head coverings.....	2 172	Textile ironing and smoothing.....	38
Hooks.....	43 43.16	Paper receptacles		Tobacco leaf.....	131 324+
Design.....	D22 144	Closure for paperboard box.....	229 126+	Stemming combined.....	131 315
Making.....	29 9	Letter sheet closure.....	229 92.7	Flatware-Tableware	D07 642+
Line.....	43 44.98	Pneumatic tire.....	152 514	Disposable.....	D07 642+
Reel.....	242 223+	Shoe sole channel machines		Flavanthrone	546 31
Attachments.....	242 322	Layers.....	12 29	Flavones	549 403
Design.....	D22 137+	Turners.....	12 30	Flavors	426 534+
Line loading supply.....	242 902*	Flare		Artificial.....	426 533+
Rod.....	43 18.1 R+	Burners		Flavylum, Basic Dye	8 657+
By orbital hand tool.....	242 442	Magnesium strip.....	431 99	Animal-derived natural fiber.....	8 426
Cover or container for		Solid fuel.....	102 336+	Printing permanently.....	8 454
disjointed.....	43 26	Dropping.....	89 1.51+	Flaw Detection	
Guide binding.....	242 448+	Guns.....	42 1.15	Magnetic.....	324 238+
Holder.....	224 922*	Package for.....	206 803*	Induced voltage-type sensor.....	324 240+
Stringers.....	224 103	Pyrotechnic.....	102 335+	Oscillator type.....	324 237
Tackle and accessories.....	43 4+	Composition for.....	149	Utilizing radiant energy.....	250
Tool		Design.....	D22 112	Flax (See Fiber)	
Compound.....	7 106+	Parachute.....	102 337+	Retting.....	435 279+
Electricians.....	254 134.3 R	Torches.....	102 336+	Thresher.....	460 24
Traps.....	43 100+	Flaring Tool (See Pipe Making)		Flechtes	244 3.24+
Design.....	D22 121	Flash		Ammunition.....	102 703*
Trotlines.....	43 27.4	Camera attachment.....	D16 239+	Fleece	
Holder.....	43 57.3	Electric weld.....	219 97+	Dividers in fiber preparation.....	19 151
Vessel.....	114 255+	Flash bulb mount.....	D16 239+	Knitting	
Weighing of fish.....	D10 87+	Flash memory.....	365 185.33	Fabric or articles.....	66 194
Fishing Rod	D22 137+	Flash removal.....	425 806*	Needle cooperating wheels.....	66 94
Fishing Rod Holder	D22 147	Spotlight.....	D26 24+	Unknitted materials.....	66 191
Fission Counter Scintillations	250 361 R+	Trimmers.....	83 914*	Fletching Jig	269 38
Fission Sustaining Nuclear Reactors	376	Flash Bulb		Flexible	
Fitting Boots and Shoes	36 8.4	Combustion type.....	431 358+	Concentric electric cable.....	174 102 R+
Fittings		Mount design.....	D16 239+	Fluid vacuum or air.....	174 28+
Bath basin and receptacle.....	4 696+	Flashing	52 408+	With insulation spacer.....	174 99 R+
Design.....	D23 271+	Exterior type, eg roof.....	52 58+	Flail tools.....	451 466+
Electrical		Glass.....	65 60.1	Remote control cable.....	74 500.5+
Boxes housings.....	174 50+	Lamps		Shafts.....	464
Conductor insulator combined....	174 169+	Sign.....	40 +	Tubing.....	138 118+
Making		Sign systems.....	340 +	Flicker Beam Photometer	356 217
Gas and water.....	29 890.14+	Switch in lamp.....	315 72	Flier	
Pipe.....	285 120.1+	Systems.....	315	Spinning machine.....	57 67+
Fluid distribution design.....	D23 200	Light as signal.....	40 902*	Flier elements.....	57 115+
Gaslight design.....	D26 113+	Pipe and plate joint roof		Flies	
Scaffolding design.....	D25 66	flashing type.....	285 42+	Design fishing bait.....	D22 125+
Suspended support.....	248 342+	Signals.....	340 331	Sheet delivering.....	271 83
Fixatives		Flashlight		Trouser.....	2 234
Artists.....	106	Combined with structure of		Flight Training Simulator	D25 1
Electrophotographic copier.....	399 320+	another device.....	362 157+	Flint	
Perfume.....	512 2	Canes.....	362 102	Composition.....	420 416
Photographic.....	430 455+	Pen or pencil.....	362 118	Firearm firing device.....	42 69.01+
Flag	116 173+	Electric.....	362 208	Lighter.....	431 273+

Class Subclass		Class Subclass		Class Subclass	
Special packaging for	206 528+	Liquid separation	210 702+	condition	204 555
Flip Flop Oscillator	331 144	Solid separation	209 5	Electrolytic apparatus	204 228.1+
Driven type	327 185+	Flooding		Electrolytic apparatus	204 229.4+
Gas tube type	331 113 R	Apparatus	118 308+	Electrolytic apparatus	204 229.8+
Flippers for Swimming	D21 806+	Coating combined	427 180+	Gas filtration particulate	
Floating Compasses	33 364	Laminating combined	156 279	material	55 474
Floats	169 DIG. 1	Floodgate	49 10+	Gas filtration reticulated	
Ballasting	114 123	Floodlights	362 538+	Gas liquid contact porous	
Marine pipe or cable laying	405 158+	Design	D26 61+	sheet	261 100+
Submergible floating		Dirigible support	362 418+	Gas liquid contact porous mass	261 94+
matter barrier	405 64	Floor or Flooring	52	Gas liquid contact wet baffle	261 108+
Submergible marine		Animal building - waste collection	119 450+	Gas separator combined	96
structure	405 205	Animal cage	119 480	Heat exchange	165 279+
Submergible wave or flow		Animal stall	119 525+	Pump reversible	417 315
dissipator	405 23	Waste collection	119 527	Radiator heat exchange	165 96+
Buoy	441 1+	Bridge	14 73	Counter nuclear	
Closure	220 216+	Bridges for safes	109 87	Determine characteristic of	
Controlled		Building		fluid	250 336.1
Alarm	116 110+	Friction or wear surface	52 177	Through counter tube	250 374+
Alarm electric	340 623+	Joists to wall	52 289	Indicators	
Boiler safety device	122 505	Masonry	53 391+	Dispenser combined	222 40
Bottle nonrefillable	215 20	Mat	52 660+	Electric	340 606+
Burner liquid fuel	431 64	Nailing beam	52 364+	Fluid	116 273+
Closure	49 21+	Parquet	52 390+	Refrigerant	62 125
Dispenser fluid pressure		Rotatable	52 65	Lines making, metal working	29 DIG. 17
discharge	222 62	Spacing sleeper	52 480	Meters	
Dispenser indicator	222 51	Static mold for making	249 18+	Electric current	324 76.11+
Dispenser material level	222 67+	Supporting wall	52 264	Fluid	73 861+
Flood gate	49 11	Vertically adjustable	52 126.1+	Thermal	73 204.11+
Funnel valve	141 199+	Yielding sub-structure	52 403.1	Fluid direction combined	73 170.07+
Funnel valve air displacement	141 199+	Carpet	428 85+	Proportional	137 98+
Gas liquid contact	261 70	Design	D06 582+	Recorders	346 72
Liquid feeder traps	137 165+	Cleaners	D32 15+	Regulator	138 37+
Liquid level indicator	73 305+	Cleaning		Earth boring tool combined	175 232+
Liquid purifier	210 121+	Compositions	510 214+	General utility type	138 37+
Liquid purifier level indicator	210 86	Machinery design	D32 15+	Impact activated valves	251 76
Pump electric	417 36+	Machines and devices	15	Responsive to element	
Pump jet	417 182.5	Disintegrating machine	299 36.1+	deformation	137 67
Pump pneumatic displacement	417 126+	Drying apparatus	34 237+	Sprinkling and spraying	239 533.1+
Pump starter	417 36+	Endless excavating vehicle	37 305	Valve combined	251 118+
Pump throttle	417 36+	Heat exchanger	165 56	Responsive	
Trap thermal	236 53	Heated vehicle	237 43	Alarm	116 112
Valve	137 409+	Hog farrowing pen	119 509	Alarm electric	340 606+
Valve steam trap	137 192+	Jack	254 11+	Dispenser cutoff	222 59+
Water closet outlet	4 395+	Lamp	D26 93+	Dispenser preset cutoff	222 14
Water closet plural flusher	4 324+	Lighting	362 153	Heater closed fluid	236 25 R
Water closet valved bowl	4 437+	Mat, portable	15 215+	Pump throttle valve	417 43
Watering trough	119 78+	Mop, sponge, non-bristle broom	D32 40+	Switch electric	200 81.9 R
Decoy ducks	43 3	Outlet or junction box	220 3.3+	Valve	137 455+
Fishing	43 43.1+	Packaging for coiled floor		Retarder	
Design	D22 146	covering	206 389+	Brake fluid pressure	303 84.1
Fluid pressure gauge	73 713+	Parquet	428 50	Fluid in conduit	138 37+
Impeller		Pavement	404 17+	Railway switch indication	246 109
Endless chain	416 7	Polishing		Flower	PLT
Paddle wheel	416 84	Compositions	106 3+	Curbing for flower bed	D25 38+
Masonry implement	15 235.4+	Railway car	105 422	Holder	47 41.01+
Mortar-joint finisher	15 235.3	Auxiliary	105 375	Apparel attached	D11 1+
Oil distributor	114 234	Registers ventilation	454 284+	Corsage boutonniere personal	
Operated		Scrubbing or brushing machine	D32 15+	wear	24 5+
Acetylene generator	48 53.4	Sectional	428 44+	For plant shrub vine etc	47 44+
Beverage infuser	99 320	Ship	114 76	Furniture type	D06 403+
Brake	188 179	Slatted covering	52 660+	Vases	D11 143+
Dispenser indicator	222 51	Surfacing machines	451 350+	Wall mounted	D06 556+
Heater fluid	236 31	Vehicle floor mat	D12 203	Wreaths and sprays	248 27.8
Liquid level gauge	73 305+	Flora	428 17+	Imitation	428 17+
Motor fluid	60 495+	Framework for	211	Plants	PLT
Pump tide motor	417 331+	Floral		Pots	47 65.5
Specific gravity indicator	73 451+	Holders	47 41.01+	Design	D11 143+
Switch electric	200 84 R	Supports	248 27.8	Support, depended	D06 513+
Thermal air relief valve	236 62+	Design, apparel attached	D11 1+	Support, shelf	D06 556+
Thermal regulator	236 52	Floss, Dental		Preserving	
Thermometer combined	374 156	Holder	D28 66+	Coating or impregnating	427 4
Watergate or weir	405 96+	Toilet kit with	132 323+	Plant catalyst or stimulant	504 114+
Plural connected, bath	4 DIG. 1	Flotation		Flowmeter (Fluid)	73 861+
Regulator		Liquid purifying	210 703+	Thermal	73 204.11
Fluid pressure	137 505.19	Gas-liquid surface contactor	210 150	Flowmeter for Heat	374 29+
Pump starter	417 36+	Liquid surface outlet	210 221.1	Flowrate	73 19.04
Pump throttle	417 36+	Physical separation agents	252 60+	Determination gas content	73 19.04
Skimmer glass furnace	65 206	Separating solids	209 162+	Floxacinil	540 327
Structure	73 322.5	Sugar manufacturing	127 57	Flue	
Specific gravity tester	73 448+	Floouncing Lace Goods	87 10	Boiler	122
Supported liquid separator	210 242.1	Floor	426 622+	Building attached	52 219
Traversing hoist	212 307+	Bleaching	426 253+	Cleaner	
Valve	137 409+	Manufacture by comminution	241 6+	Brush and broom design	D04
Vessel raising and docking	114 44+	Testing	73 169	Brush or broom	15104.066+
Warship battery	114 4	Flooring or Floor Dusting	425 101	Scrapper	15 249.2+
Water closet design	D23 303	Floor (See Proportional, Feeding)		Collar adjustable	126 315
Water motor	60 495+	Control (see valve, actuation)		Connection making	29 890.145
Flocculating and Deflocculating	209 5	Dryer	34 565+	Cover	
Prevention of	210 696+	Electrical separation or		Design	
With precipitation	210 702+	purification of liquid with		Expanders (see expander)	
Flocculation		control responsive to sensed		Gas heating	432 219+

Class Subclass		Class Subclass		Class Subclass	
Masonry	52 245+	Dental hardpiece	433 132	Vehicle head lamp	362 37+
Mineral oil still	196 116+	Turbine	415	Well tubing cutter	166 55+
Regenerative	431 170	Operated		Wire placing apparatus	254 134.4
Checker bricks	165 9.1+	Aircraft control	244 78.1+	Work holder for grinder	451 395
Stopper	126 319	Alarm	116 109+	Pillow	5 645
Thermolytic retorts having	202 124+	Apparel or garment turning	223 43	Pressure gauges	73 700+
Horizontal	202 138+	Belt and pulley control	474	Pressure regulator (see pressure)	137 505+
Sprinkling and spraying	239 533.1+	Body vibrators or massagers	601 1+	Proportioning	236 12.1+
Fluent Material Handling	141	Boiler fire extinguisher	122 506	Pumps	417
Fluent Tool Metal Shaping	72 54+	Brake	188 151 R+	Ratio maintenance	236 12.1+
Fluid (See Gas; Liquid)		Camera shutter	396 476	Reaction surfaces, ie impellers	416
Amplifier	137 803+	Changeable exhibitor	40 477+	Regulator and control	
Bearing	384 100+	Chuck	279 4.01+	Volume or rate of flow meters	
Breakwater	405 22	Closure by ambient fluid	49 21+	combined	73 199
Calculator	235 200 R+	Clutch operator	192 82 R+	Samplers	73 863+
Automated	705 413	Depth gauge	73 299+	Screen	110 179
Cleansing tool drive combined	173 197+	Die shaping	72 54+	Shark screen	405 22
Clutch	192 58.1+	Dumping vehicles	298 22 R	Sprinkling, spraying, diffusing	239
Collection from body	604 317+	Earthenware apparatus	425	Storage in earth cavity	405 53+
Conveyer (see conveyer)		Explosive arming devices	102 222	Transmission (see transmission)	
Coupling	60 325+	Fluid scatterer or sprayer	239 214+	Treatment	
Gearing combined	74 730.1+	Governor	73 521+	Bleaching and dyeing	8
Planetary gearing combined	475 31+	Governor modifier	73 521+	Coating implement with	
Shaft connection	464 24	Hat shaping	223 13	material supply	401
Delivery		Impacting device	173 90+	Drying and gas contact with	
Check controlled device	194	Indicator	116 264+	solid	34
Sprinkling, spraying, diffusing	239	Linear hoist	212 341	Food apparatus	99 516+
Track sander	291 3+	Lubricators	184 14+	Gas and liquid contact	261
Tracked by data network	705 413	Machine elements	74	Gas separation	95
Distribution	137	Planetary gearing controls	475 31+	Metal	148
Automated	705 413	Milling machine work feed	409 170	Shoe soles	12 41.3
Conduit and electrical		Mortar mixers	366 10+	Textile fabric apparatus	68
conductor combined	174 47	Process	366 3+	Textile fibers	19 66 R+
Cooling and or insulating		Motors temperature controlled	236 79+	Thread finishing with	28 217+
electrical conductors	174 8+	Overhead hoist	212 319	Ultraviolet treatment of	250 432 R
Expansible chamber motor	91	Photographic printing	355 91+	Vortex amplifier	137 812+
Gas separator combined	96	Pipe and tube cleaner	15 104.03	Vortex generator	137 808+
Outlet nozzles	239	Pipe cleaners	131 244	Fluke	
Reaction motor discharge	239 265.11+	Pneumatic tire alarm	116 34 R	Anchor	114 301+
Reaction motor discharge		Power hammer and presses	72 407	Anchor trippers	114 210
cooling	239 127.1+	Press	100 269.01+	Flume	405 119+
Sound muffler	181 212	Hydraulic or pneumatic	100 347	Gates	405 87+
Drive	60 325+	safety system	100 347	Screen	210 154+
Earth boring with	175 65+	Pressure gauge	73 700+	Comminuting	210 173+
Electrifying	361 225	Puller or pusher assembler or		Fluoranthene (See Aromatic	
Floating matter barrier	405 62	disassembler	29 252	Hydrocarbon)	585 400+
Flow direction measurement	73 170.01+	Pushing and pulling implements	254 93 R	Fluorene (See Aromatic Hydrocarbon)	585 400+
Flow indicator	116 273+	Railway car stop	104 256	Fluorenone	568 326
Fluidic device		Railway switches and signals	246	Fluorescein	549 223
Making	29 890.09	Railway turntable	104 37	Fluorescent	
Fuel		Rate of climb meter	73 179+	Cathode ray screen	313 467
Efficiency test	73 114.55+	Reciprocating cutter	83 639.1	Cathode ray tube	313 467+
Gas analysis	73 23.2+	Rotary hoist	212 250	Coating	427 157
Illuminating testing	73 36	Sausage stuffer	452 43	Composition	
Liquid	44 300+	Sawmill set works	83 726	Inorganic	252 301.6 R
Liquid analysis	73 53.01+	Seal for a joint or juncture		Mineral oil	208 12
Fuel burner		Biasing		Organic	252 301.16
Combustion feature	431	dynamic lip	277 558	Radioactive	252 625+
Dispensing feature	239	face or mechanical	277 387+	Contrast agents (in vivo)	424 9.6+
Fuel for heating		Blowout preventer	277 324+	Devices and applications	250 462.1
Material or bodies	432	Close proximity seal		Electric light	313 484+
Structures	237	article	277 409+	Ballast	336 155+
Fuel in nuclear reactors	376 151	process	277 301+	System	315
Fuel in nuclear reactors	376 172	Inflatable		Electric lights and electronic	
Fuel in nuclear reactors	376 356	dynamic	277 583	tubes	313 495+
Fuel in nuclear reactors	376 356	static	277 646	Illuminating devices with	362 217+
Governor	73 521+	static pipe, conduit or cable	277 605	Screens	250 483.1
Elevator	187 345+	well apparatus	277 331+	Signs	40 542+
Handling equipment	137	Venting		Fluorides Inorganic	423 462+
Mounted on vehicular support	137 899+	dynamic gland	277 514	Binary	423 489
Systems	137 561 R+	dynamic lip	277 552	Fluorimeter	
Branched passage flow control	137 861+	other seal types	277 928	Chemical analysis, apparatus	422 82.08
Heat exchange	165	Seal with bearing	384 131	Fluorine	423 500
Packaged	D09	Ship steering	114 150+	Acids	423 481
Heater (see heat heater and		Ships log	73 181+	Halocarbon containing	570 123+
heating liquid)		Sound record molding device	425 385	Fluorocarbons, Eg, Teflon, Kel-F	
Electric	392 311+	Sound record molding device	425 406+	And memory plastics, pipe joints	285 909*
Infrared treatment of	250 432 R	Sprayer	239 237+	Insulated cable and conductors	174 110 FC
Jet texturizer	28 271+	Steering gear	180 400+	Plastic article forming, resin	264 127
Level gauges	73 290 R+	Switch	200 81 R+	Fluoroscope and Fluorescent	250 458.1
Mattress	5 665+	Syringe	604 131+	Article inspection	250 458.1
Mattress	5 706+	Testing device	73 37+	Fluorescent applications	250 458.1
Measuring vessels	73 426+	Thermometer	374 201+	Fluoroscopic equipment	D24 158
Mixture sensing	236 12.1+	Thermostat	60 530+	Tables	378 38
Motor (see propeller)		Tool turret	29 42	Fluosilicates	423 342+
Brake	303	Toy	446 176+	Fluosilicic Acid	423 341
Expansible chamber	91	Track sander dispenser	291 24	Flush Tank	
Manual displacement energized	49 32	Oscillator	239 589.1	Liquid level control	137 409+
Manufacture	29 888+	Trolley retriever	191 85+	Water closet	4 353+
Meter	73 861+	Trolley stand	191 67	Bowl combined	4 300+
Power plant	60	Valve responsive to flow	137 455+	Urinal	4 353+
Rotary kinetic	415	Valve responsive to pressure	362 384	Flusher	

Class Subclass		Class Subclass		Class Subclass	
Nozzle cleaner.....	239 106+	Producing compositions.....	516 115+	Controlled gearing.....	74 388 R+
Sewerage.....	137 240	Protective coating or zone.....	252 382	Fluid pressure brake valve.....	303 54+
Siphon including automatic.....	137 132+	Separating gases from.....	96 176+	Gearing.....	74 388 R+
Street.....	239 146+	Processes.....	95 242	Recorder drive.....	346 31+
Valve.....	251 15+	Fob	D11 79+	Servometer fluid.....	91 358 R+
Water closet.....	4 300+	Focusing		Ship steering.....	114 144 R+
Design.....	D23 295+	Camera.....	396 89+	Font	
Fluspirilene, in Drug	514 278	Automatic.....	396 89+	Generation.....	345 467+
Flute	84 384	Hood.....	396 534	Sorting.....	199 40+
Fluter	223 28+	Flashlight.....	362 187	Typewriter embossing.....	400 127+
Flux		Focus coil and cathode ray tube.....	313 442	Typewriter, penetrating.....	400 135+
Bituminous material.....	106 279+	Focus coil per se.....	335 213+	Food (See Type)	426
Ceramic.....	106 313	Photocell controlled.....	250 201.2+	Animal foodstuffs.....	D01
Controlling in nuclear reactor.....	976DIG. 113+	In dynamic information storage.....		Animal mastication aids.....	D30 199
Earth boring combined.....	175 13	and retrieval.....	369 44.23	Apparatus.....	99
Metallurgical.....	75 303+	Projector.....	362 317+	Canning.....	426 392+
Natural resin.....	106 240	Adjustable light.....	362 285+	Filling receptacles.....	141
Protein containing.....	106 124.1+	X ray tube combined.....	378 138	Cereal pupping.....	99 323.4
Casein.....	106 159.1	Fodder	426 636	Conductivity control.....	99 DIG. 11
Gelatine or glue.....	106 160.1	Fog	516 1+	Cooking apparatus.....	99 324+
Prolamine.....	106 161.1	Combustion.....	126 59.5	Dairy food treatment.....	99 452
Soldering feeders for.....	228 33+	Dispelling appliances.....	454 901*	Dehydration.....	426 443+
Solid metal treating.....	148 23+	By spraying.....	239 2.1	Design.....	D01
Synthetic resin or natural rubber (see class 523, 524)		Horns.....	116 137 R+	Edible containers.....	D01
Fluxmeter		Surface, preventing compositions.....	106 13	Edible laminated product making.....	99 450.1
Magnetic flux.....	324 244+	Foil (See Sheet)		Enclosed modified atmosphere.....	
Fly		Dental filling.....	433 227+	treating.....	99 467
Brush.....	416 501*	Fencing.....	482 12	Food mixer-grinder-blenders.....	D07 368+
Closer lasting tool.....	12 113	Laminate.....		Fruit and vegetable peelers.....	D07 693
Fishing.....	43 42.24+	Manufacture.....	29 17.1+	Hand tools for food preparation.....	D07 669+
Design.....	D22 125+	Metal.....	428 606+	Induction heating.....	99 DIG. 14
Holders for fishhooks, flies.....	43 57.1+	Folder (See Creaser)		Inedible stick or holder &.....	D01 105
Net.....	54 80.4	Apparel apparatus.....	223 37+	Live stock.....	426 635+
Paper box making.....	493 52+	Collar cuff bosom making.....	223 3	Means to treat food.....	99 485+
Swatter.....	43 137	Collar,cuff or neckband ironers.....	223 52.1+	Non-cooking heat treatment.....	99 483
Design.....	D22 124	Plaiting etc with fold guides.....	223 34	Non-protein nitrogen.....	426 69
Textile spinning.....	57 96	Plaiting fluting shirring with.....		Preparation or dispensing machines.....	D07
Trap.....	43 122	cross creasing.....	223 29	Preparing and treating (see type).....	
Fly Ash	106 DIG. 1	Boot and shoe making.....		Apparatus.....	99
Processes of using.....	264 DIG. 49	Lasting.....	12 12+	Preserving.....	426
Stock material.....	428 406	Uppers.....	12 55	Processes, compositions & products.....	426
Flying (See Aircraft)		Cigar or cigarette tip or.....		Equipment design.....	D07 368+
Blind.....		mouthpiece forming.....	131 89+	Storage receptacle,household.....	D07 601+
Aircraft controls.....	244 75.1+	Folder carried indicia.....	40 359	Strip or stick form.....	D01
Traffic control systems.....	340 947+	Paper article making.....		Temperature responsive.....	99 DIG. 10
Disc (design).....	D21 443+	Bags, envelopes.....	493 243+	Vinegar making.....	99 323.12
Machine.....	244	Boxes.....	493 162+	Foot	
Design.....	D12 319+	Sheet material associating or.....		Bandages.....	602 62+
Design toy.....	273 362+	folding.....		Bath.....	D24 204
Propeller toys.....	446 36+	Associating and folding.....	270 32+	Closure by foot pedal.....	220 262
Target.....	273 362+	Associating folding and rotary.....		Controlled dribbling apparatus.....	111 98
Design.....	D22 114+	printing combined.....	270 4+	Electric applicator.....	607 144
Drone.....	D12 16.1	Folding and rotary printing.....	493 321+	Flipper.....	441 64
Trainers.....	434 30+	Wrapping folding and or.....		Guard railway track.....	238 379+
Flying Tool		printing combined.....	53 116+	Levers pedals.....	74 594.4
Cutting.....	83 284+	Sheet metal can seam.....	413 69+	Measuring devices.....	33 3 R
Wire tool.....	83 307.1+	Sheet metal seaming.....	29 243.5+	Monitor radioactivity.....	378 38
Metal deforming.....	72 184+	Folding	493 405+	Miscellaneous.....	378 38
Flypaper	43 114+	Boats.....	114 353	Scintillation type.....	250 458.1
Catching implements.....	43 136	Chairs.....	297 16.1+	Operated.....	
Packages.....	206 447	Tables.....	108 115+	Closure bolt releasers.....	292 255
Flytraps	43 107+	Foliage		Control lever and linkage.....	
Design.....	D22 122	Artificial.....	428 17+	systems.....	74 469+
Flywheels		Design.....	D11 117+	Cutting tool.....	30 275
Fan combined.....	416 60	Folic Acid	544 261	Cutting tool plural blade.....	30 297
Fluid.....	60 330+	Follower		Dispenser.....	222 179
Impellers combined.....	416 60	Ammunition dispenser (see magazine).....	42 49.01+	Earthworking tool lift.....	172 495+
Machine elements.....	74 572.2+	Cabinet.....		Gang punching machine.....	83 620+
Occupant propelled vehicle.....		Phonograph record holder.....	312 9.1+	Runner vehicle.....	280 12.1+
power storing.....	280 217	Cam.....	74 569	Sheet punching machine.....	83 613+
Sewing machine abrading.....		Cooking apparatus combined.....	99 349+	Ship steering apparatus.....	114 153
attachment.....	451 432	Dispenser combined.....		Vehicle steering apparatus.....	280 87.1
Vehicle drive combined.....	180 165	Container.....	222 386+	Wheeled vehicle.....	280 200+
With planetary gearing.....	475 267+	Insertable cartridge.....	222 326+	Orthopedics.....	602 28+
Foam (See Art Use Classes)	516 10+	Fountain pen.....	401 141+	Piece.....	
Breaking.....		Lubricator pump.....	184 37	Dustpan.....	15 257.5
Distillation apparatus.....	202 264	Mattress filling apparatus.....	53 255+	Fork and shovel hand.....	294 60
Distillation process combined.....	203 20	Partition follower.....	220 559+	Posts for skates.....	280 11.17
Processes.....	516 115+	Pipe joint piston type.....	285 302	Protector (design).....	D29 121.2
Coating implement with.....		Rack card or sheet.....	211 51+	Resilient machinery support.....	248 615+
material supply.....	401 44+	Receptacle.....	220 578+	Rest (see --, support).....	297 423.1+
Control.....	435 812*	Followers and partitions.....	220 529+	Chair reversible back.....	297 73+
Fire extinguishing.....	252 3	Self loading material handler.....	414 506	Chair with folding.....	297 30
Stabilizing agent containing.....	252 8.05	Sheet retainer with.....		Closet.....	4 254
Froth flotation agents.....	252 61	releasable keeper.....	402 60+	Control lever system type.....	74 564
Gas & liquid contact apparatus.....	261 DIG. 26	Smoking device.....	131 181	Design.....	D06 501
Glass making.....	65 22	Trunk.....	190 36	Land vehicle body.....	296 75
Laminate.....	428 304.4+	Wooden.....		Land vehicle combined.....	280 291
In situ foaming.....	156 77+	Barrel.....	217 86	Piano.....	84 232
Metallic receptacles collection.....	220 902*	Box.....	217 64	Rocker with.....	297 271.1+
Plastic molding.....	264 41+	Follow-Up Mechanism		Substitute.....	297 423.18
		Aircraft control.....	244 76 R+	Support.....	

Class Subclass		Class Subclass		Class Subclass	
Boat	114 363	making	76 111	Sprinkling	239 17+
Life preserver with	441 80+	Cooking spit or impaler	99 419	Stencil addressing	101 48+
Skate joined runner & support	280 11.15	Excavating scoops	37 405+	Stock watering	D30 121+
Skate resiliently mounted	280 11.14	Hand	294 55.5+	Stock watering	119 74+
Surgical table	269	Hayfork	294 120+	Syringe	604 131+
Supporter	36 71	Hayfork type grapple	294 86.4+	Gravity feed from plural reservoirs	604 80
Warmer		Inclined elevator or hoist	414 595+	Fountain Pen (See Pens)	401
Heat radiator	237 77	Tilting	414 598+	Ball point	401 209+
Stove	126 204	Making dies	72 470+	Follower fluid	401 142
Surgical body wear	607 144+	Railway mail delivery	258 21+	Bifurcate nib type	401 221+
Football	473 415+	Railway mail delivery support	258 11+	Ink retainer attachment at tool	401 252+
Balls	473 569+	Single throw lever fulcrumed	254 131.5	Filling	141 21+
Electric scoreboard	340 323 R	Tedder	56 374	Filling	141 18+
Game	473 415+	Vertically swinging	414 685+	Projectable and retractable tool	401 99+
Game board	D21 357	Table (see cutlery)	30 322+	Rupturable cartridge	401 132+
Goal post	473 477	Blanks & processes for making	76 105	Sign or picture carrying	40 334+
Practice device for	473 438+	Combined tool	7 112+	Stylographic	401 258+
Scoreboard	116 222+	Combined with knife	30 148	Fourdrinier Machines	162 348+
Shoes	36 128	Dies for making	72 470+	Fourier Analysis	324 76.21
Simulated game	273 108.4+	With ejector	30 129	Fowl	452 +
Tackling dummy	473 441+	With material holder	30 137	Brooders	119 302+
Teaching	434 251	Tuning or musical		Butchering	452 +
Footboard		Music instrument	84 409	Care and handling design	D30
Bed	5 53.1+	Tuning	84 457	Confining and housing devices	119 416+
Foot or leg support	5 648+	Wheel occupant propelled vehicle		Design	D30 108+
Motor vehicle body	180 90.6	Front	280 279+	Feeding devices	119 51.01+
Railway rolling stock	105 460	Rear	280 288	Foods	426 635
Footholds		Rear yielding	280 284+	Medicines	424
Building with	52 184+	Forklift Truck	187 222+	Supports and shackles	452 188
Friction surface	52 177+	Ramp design	D34 32	Watering devices	119 72+
Cane	135 70	Tilting fork or guide	414 592+	Design	D30 121+
Crutch	135 70	Formaldehyde	568 448	Fowler Flap for Aircraft	244 216
Ladder terminals	182 108+	Dehydrating	203 17	Fracture Apparatus Surgical	602 5+
Pavement	404 19+	Synthetic resin (see synthetic resin or natural rubber)		Frame	52
Stair covers	428 85+	Formamide	564 215	Abrading machine	451 340+
Walking aids with tips	135 77+	Formates		Agricultural implement	172 776
Footings (See Bases; Foundation)		Alkali forming metal	562 609	Aircraft	
Footlights		Cellulose	536 67	Airfoil	244 123.1+
Cleaning type	15 238+	Esters	560 231+	Airship hull	244 125
Footwear		Formazans	534 652	Fuselage	244 119+
Athletic	D02 902+	Former (See Die; Molding; Shaping)		Apparel	
Design, general	D02 896+	Formic Acid	562 609	Armpit shield	2 57
Mens	D02 896+	Forming		Hat	2 175.4+
Moccasin	D02 924	Metal by plastic shaping	72	Apparel apparatus	
Sandal	D02 916+	Fluent tool or energy field	72 54+	Dress coat or skirt stretching	223 69
Stockings & socks	D02 980+	Forms		Hat frame making	223 8
Wedgie	D02 927	Display	223 66+	Tie	223 65
Womens	D02 925+	Design	D20 10+	Trousers stretching	223 63
Foraminous		Dress	223 68	Bag holder	248 99+
Cabinet wall structure	312 213	In situ construction engineering or building type	249 1+	Bed	5
Force Measuring		Forming		Bee	
Coin controlled devices	194	Metal by plastic shaping	72	Comb	449 35+
Dynamometer	73 862+	Fluent tool or energy field	72 54+	Hive	449 3+
Instrument proving or calibrating	73 1.08+	Forming		Canopy	135 121+
Electric	324	Forming		Car roof	52 45+
Muscular	73 379.01+	Metal by plastic shaping	72	Caster	16 31 R+
Force Pump	4 255.01+	Fluent tool or energy field	72 54+	Clock	368 88
Forceps		Foundation (See Bases)		Clock	968 265+
Dental	433 159	Bee comb	449 44+	Closures partitions panels	160 371+
Railway traction cable	104 217	Building	52 292+	Awning	160 76
Surgical	606 205+	Hair	132 54+	Mount or support	160 369
Design	D24 143	Marine	405 195.1+	Nonrigid	160 354
Forcer		Ballasted	405 207+	Plural	160 353
Closure applying die	53 341+	Piles	405 231+	Roll type	160 239+
Sheet metal die shaping	72 54+	Road bed	404 27+	Convolute winding machine	242 539
Forecasting		Founding	164	Door	49 504+
Finances for business, computerized	705 10	Foundry Apparatus	164	Metal	52 782.1+
Forehearth	266 166	Controls	164 154.1+	Drill press	408 234+
Forestry	47	Signal or inspection means	164 150.1+	Drying	
Hand tools design	D08 1+	Foundry Mold or Mold Core Binder	523 139+	Curtain	38 102.1+
Forge	110 195	Fountain		Electric lamp	314 130+
Tuyeres	110 182.6	Beverage infuser	99 313+	Arc	314 130+
Water cooled	122 6.7	Gravity feed	99 310+	Fabric cleaner	15 233
Forging	72	Comb	132 112+	Fabric stretching	38 102.1+
Machines with other tools	29 34 R	Design	D23 201	Fastening savings box	232 6
Metal working with	29 DIG. 18	Drinking	D07 304	Fireplace	126 500
Nuts and washers	470 89+	Stock watering	D30 121+	Fishing reel	242 309+
Piston rings	29 888.07+	Drinking	239 24+	For building	52 648.1
Processes	72 372+	Design	D07 304	For expandable chamber device	92 161
Wrought nails	470 131+	Inkwell (see inkwell)	222 577	Hair foundation	132 54
Fork (See Shovel)		Machine		Hand and hoistline implements	294 67.1+
Bicycle type	280 276+	Bed and platen oscillating printing	101 315	Brick carriers	294 63.1+
Compound tool with culinary fork	7 112	Bed and platen reciprocating printing	101 321	Grapple	294 113+
Compound tool with pitch fork	7 115	Dampener planographic	101 148	Vacuum	294 65
Cutlery	30 322+	Inker	101 364+	Harvester	56
Design	D07 653+	Inker multicolor	101 210	Headwear receptacle	206 9
Guard	30 323	Inker roller	101 363	Internal combustion engine	123 195 R
Hand	294 55.5	Printing members and inker	101 330+	Land vehicle	
Handles	D08 DIG. 4	Pen (see fountain pen)		Body structure	296 193.06+
Material handling				Body supporting	280 781+
Blanks and processes for				Design	D12 159

Class Subclass		Class Subclass		Class Subclass	
Drop frame convertible to	280 7.11	Check controlled apparatus	194 302	French Curves	33 561.2+
Dropped body	280 2	Combined	194 202	French Dressing	426 615+
Endless track carried by	305 120+	Coating or impregnating	427 7	French Fryers	99 403+
Equalized	280 104+	Cryptography in business processing	705 50	Freon T M	570 134
Roller bearing	280 105	Data distribution	705 51	Frequency	
Velocipede	280 281.1+	Copy protection or prevention	705 57	Amplitude study mechanical	73 579+
Velocipede steered	280 274+	Using a program or origin	705 58	Analyzer	324 76.12+
Leather making work holder	69 19	identifier	705 58	Automatic control	
Light shade or bowl	362 433+	Licensing	705 59	Gain, level, volume	455 234.1
Luggage	190 121+	Requiring additional user	705 55	Plural receivers	455 136
Metallic receptacle wall	220 668	input for authorization	705 55	System radio	455 71
Mirror or reflector	52	Specific computer id	705 56	Television receiver	348 735
Panel	52 785.1+	Electronic funds transfer	705 18	Transceiver	455 119
Mounted motor	180 58+	Electrophotographic copier	399 366	Transmitter	455 313+
Music		Employee fraud using point of	705 21	Changers	310 127+
Hammer action	84 250	sale terminal		Conversion systems	363 157+
Key	84 432	Multiple machines	705 21	Converters	310
Piano	84 184	Using inventory tracking	705 22	Systems	363 157+
Open work	52 633+	abilities	705 22	Demodulators	329 315+
Panel	52 474+	For point of sale devices	705 18	Divider	363 157+
Edging	428 21+	Secure transactions	705 64	Miscellaneous electronic device	
Sectional	52 455+	Able to use multiple cards	705 73	type	327 113+
Pavement light or lens	404 22+	Anonymous user	705 74	Dividers oscillator	331 51
Picture	40 700+	Authorization to proceed	705 76	Group frequency radio signaling	455
Picture frame molding	D25 119+	Charge determination at	705 77	Measuring	324 76.39+
Planting drill	111 52+	remote location	705 77	Absorption type	324 76.51
Portal with building structure	52 204.1+	Communication between	705 79	Heterodyne	324 76.41+
Printing	355 122+	Two financial networks	705 79	Wave meter	250 250
Quilting	112 119	Initializing	705 73	Modulators	332 117+
Radiator	165 149	Key management	705 71	Multipliers oscillator	331 53
Railway		Radio communication	705 73	Radio signaling	455
Bogie side	105 206.1+	Specialized keypad	705 73	Response modification	348 912*
Car	105 396+	Specialized terminal	705 73	Speech range compression or	
Locomotive	105 172+	Transaction confirmation	705 74	expansion in telephone system	704 500+
Scroll saw	83 776+	Verification of pin	705 72	Synthesis	327 105+
Sewing	112 258+	With third party	705 78	Frequency Spectrum Analyzer	324 76.19
Sheet drying apparatus	34 664+	Tracking accumulating sales tax	705 19	Fret Saws	30 513+
Sifting machine	209 404+	With intelligent token	705 65	Frets for Fingerboards of Stringed	
Sign or bulletin board	D19 52	Utility metering	705 63	Instruments	84 314 R
Slate	434 422	Balancing account	705 68	Control	84 DIG. 30
Spreader	294 81.1	With usage or charge	705 52	Friction	
Table	248 163.1+	Detecting double spending	705 69	Clutch	192
Tape or film winding	242 358+	determination	705 52	Brake position adjuster	
Tent	135 121+	Initializing or reloading	705 66	combined	188 199
Textile		Multi-layered rights for use	705 54	Gearing	476 +
Hand loom	139 34	With authentication	705 67	Planetary	475 183+
Pile tufting tubes	139 10	Third party billing	705 53	Generators	
Textile thread	28 149+	Health care	705 2	Boiler heating	122 26
Trolley pole	191 65	Postage fraud		Electric	310 310
Trunk	190 24	Mail security using postal meter	705 406	Heater	126 247
Truss surgical	128 99.1+	Postage meter data protection	705 406	Igniting mass or surface combined	
Typewriter	400 691+	Studying user's postage	705 403	with fuel	44 506+
Ventilating register	454 330+	purchasing patterns	705 403	Producing compositions	106 36
Wall decoration	D06 300+	Printed matter	283 72	Removable closure retained by	220 796+
Window	49 504+	Stock material	428 916	Tape	428 343+
Wireworking	140 92.1	Transfer or dealomania	428 915	Coated on both sides	427 208
Woodworking		Free Fall Item Feeding	209 908*	Package	206 411
Bit	408 53	Free Radical, Hydrocarbon Synthesis		Test	
Clamps	269	Involving	585 942*	Between solid bodies	73 9
Handsaw	30 166.3+	Free Wheeling Clutches	192 41 R+	Liquid viscosity	73 54.04+
Match dipping	144 65	Freeze-Out Trap	62 55.5	Torque	73 862.12
Frangible		Freezer and Freezing(See Congelation)		Welding apparatus	228 2.1
Attachment for metallic receptacle	220 89.1+	Flowable material	62 340+	Nonmetallic	156 580.1
Barrel bung	217 111	Automatic	62 135+	Methods	156 73.1+
Bottle or jar cap	215 250+	Process	62 66+	Sonic or ultrasonic	156 580.1
Building structures	52 98+	Ice cream machine design	D15 82	Welding process, nonmetallic	156 73.5
Cartridge fountain pen	401 132+	Pressure compensators	138 27+	Sonic or ultrasonic	156 73.1
Dispenser outlet	222 542	For internal combustion		Fringe	
Electric signal box element	340 303	engines	123 41.5	Apparel trimming	2 244
Element in pipe joint	285 3+	Refrigerator-freezer design	D15 81+	Making on looms	139 118+
Feature		Safety systems for fluid handling	137 59+	Misc manufacture	28 145+
Static mold	249 61	Work holder using	269 7	Of sewn strands	112 409
Fluid handling means	137 797	Freight Accomodation On Freight		Design	D05 7+
Locks		Carrier	410	On web or sheet	428 115+
Key bit	70 410	Lashing	410 96+	Sewing machine forming	112 64
Key operating mechanism	70 422	Anchor	410 101+	Trimming design	D05
Material used in glass process	65 23	Load brace	410 121+	Turning guide for sewing machines	112 149
Metallic receptacle closure	220 265+	Bar wall-to-wall	410 143+	Woven fabric	139 385
Multiple shoe brake connection	188 241	Panel wall-to-lading	410 127+	Frisbee T M	446 46+
Railway switch element	246 289	Panel wall-to-wall	410 129+	Frisket	101 421
Railway train pipe closure	246 199	Retainer	410 77+	Frits, Glass Compositions	501 14+
Derailment operated type	246 172	Yieldable	410 117+	Frog	
Valve controlling element	137 68.11+	Particular article	410 2+	Flower stem holder	47 41.13
Frankfurter (See Sausage)		Automobile shipment	410 4+	Design	D11 147
Making	452 30+	Grouped	410 31+	Railway	246 454+
Packaging	53 DIG. 1	Massive	410 44	Continuous rail	246 275+
Franking Machines (See Meter & Metering)		Freight Carrier		Frog obviating switches	246 417+
Fraud Preventor or Detector		Freight accomodating construction	410	Switch connected	246 382+
Accounting, computer controlled	705 30	Land vehicle	280	Switch connected vehicle	
Authorization for electronic	705 44	Body	296	actuated	246 274
funds transfer	705 44	Rail car	105 355+	Trolley transfer	104 105
		Framing	105 404+	Textile weaving	139 346

Class Subclass		Class Subclass		Class Subclass	
Front		Payment	705 16	Molten	376 359
Boards	5 54	Generator	48 61+	Projections, prongs fins	376 454
Boiler	122 497+	Gaseous	48	Metal alloys	420 1+
Fireplace	126 544+	Gelled liquid	44 265+	Seal for	376 451
Design	D23 343+	Heat exchange feature	429 26+	Segmented	376 426
Furnace	110 172	High energy compounds	149 120+	Non-metal	264 21+
Upending bedstead case		Igniting devices & fuel	44	X-art	376 903*
Panel	5 160	Injector combined with rotary piston engine	123 200+	Sintered process	419
Wing	5 161	Liquid	44 300+	Sintered stock	75 228+
Winter or storm		Acyclic peroxy compound		Slurry, associated components	376 356
Land vehicle	296 77.1+	containing	44 322	Slurry, conversion process	376 171
Railway car	105 353	Liquid hydrocarbon monomer mixtures	585 1+	Spacing means or securing	376 438
Frost Indicator for Refrigerator	62 128	Aldehyde or ketone containing	44 437+	Waste disposal or containment	588 1+
Frost Preventing		Azo compound containing	44 328	Nuclear device making	29 DIG. 9
Composition	252 70	Carbohydrate containing	44 313	Plural cells	429 18+
Coating	106 13	Carboxamide containing	44 418+	Process of operating	429 13+
Plants and fruit	47 2	Explosive or thermic containing	149 1	Pumps	415
Refrigerator	62 272+	Free metal or alloy containing	44 321	Pump	417
Automatic	62 150+	Halohydrocarbon containing	44 456	Service station pump	D15 9.1+
Process	62 80+	Heavy metal containing except lead	44 354+	Refrigerator utilized as	62 7
Frosting Lamp Bulbs	216 98	Heterocyclic compound containing	44 329+	Service station pump	D15 9.1+
Froth	516 10+	Inorganic compound containing	44 457+	Solid and liquid	44
Flotation	209 163+	Material, actinide or radioactive inorganic compound	423 249+	Solid compositions with binder and additional component	44 551+
Agents	252 61	Nitrate or nitrite ester		Solid electrolyte	429 30+
Copper	209 901*	containing	44 323+	Solid with binders	44 551+
Phosphate	209 902*	Nitrile or isonitrile containing	44 384	With binders	44 551+
Preventing	516 115+	Nitro compound containing	44 413+	Spread out into a film	261 DIG. 25
Fruit	426 616+	Organic amine containing	44 412+	Testing consumption	73 114.54+
Apparatus for treating	99 467	Organic carboxylate containing	44 388+	Treatment, solid fuel furnace	110 218+
Cleaning		Organic oxygen compounds		Fuel Rating	73 35.02
Brushing or wiping apparatus	15 3.1+	containing	44 436+	Fulcrum	
Fluid treatment apparatus	134	Organic sulfate containing	44 369	Brake beam type	188 231+
Processes	426 478+	Organic sulfonate containing	44 370+	Full Stroke Mechanism	74 17.5
Clipper	30 123.5+	Organic sulfur or organic phosphorus containing	44 435+	Dispensers	
Coffee substitutes from	426 594+	Organo lead compounds		Pump type	222 375
Corer	99 547+	containing	44 454+	Full Wave Gas Rectifier	313 581
Design	D07 693	Phosphorus organic acids or esters containing	44 375+	High vacuum rectifier	313 306
Gatherer	56 328.1+	Quinone containing	44 312	Fuller's Earth	
Design	D08 13	Silicon containing	44 320	Adsorbent	502 232+
Halving cutters	83	Solid hydrocarbon polymer		Carbon combined	502 180
Juice extractor		containing	44 459	Fulling	26 19+
Comminuting citrus fruits	99 495	Solidifying	44 265+	Hide apparatus	69 33+
Design	D07 665+	Urea or thiourea containing	44 417	Inorganic explosive or	149 33+
Interfitting cup type press	100 213	Log	44 535	Thermic composition containing	149 33+
Presses	100 104+	Mineral oil	208 15+	Fulminating Igniter	431 269+
Peelers or parers	99 588+	Nuclear	976 DIG. 37+	Fumaric Acid	562 595
Design	D07 693	Nuclear	376	Fume Arrester	
Plants	PLT 156+	Alloys for actinide groups	420 1+	Consumable electrode discharge devices	314 26+
Preservation	426 321+	Blanket arrangements	376 172	Gas separation	96
Canning	426 392	Bundle or pack	376 434	Hoods	454 49+
Coating	426 289+	By-product treatment	376 189	Design	D23 371+
Dehydration	426 471+	Canned	376 412	Metallurgical apparatus	266 144+
Refrigeration	426 524	Carrier, insertable	376 342	Textile fluid treating	68 209
Seeding and stoning	99 547+	Cladding	376 457	Fume Generator	422 305+
Sorting machines	209 509+	Coated or impregnated	376 414	Fumigants	424 40+
Stemmer	99 635+	Complementary segments	376 429	Fumigation	422
Frying Pan		Compositions	252 636+	Animal	119 673
Deep fat	99 403+	Concentric layers	376 431	Food	426 312+
Open top liquid heater	126 373.1+	Coolant included	376 424	Apparatus	99 467
Structure	220 573.1+	Core arrangements	376 348	Soils	47 58.13C
Surface griddles	99 422+	Electrolytic production	205 43+	Vermin destroying	43 125+
Ftorafur	544 313	In fission plenum	376 412	Fungi (See Also Yeast and Mushroom)	
Fuchsin Acid	552 112	Particles	376 411	Compositions	435 171
Fuchsine	552 114+	Reprocessing	423 249+	Body treating	424 93.1+
Fuel	44	Handling	376 260	Edible products	426
Bound animal blood or animal manure containing	44 552	Layered	376 416	Single cell protein	435 804*
Bound sewage containing	44 552	Leak detecting	376 250	Protein extracts from	530 371
Boxes	126 283	Warning structure	376 450	Fungi, per se, culture methods	435 254.1+
Can	D23 202+	Loading and unloading	376 264	Species cross-reference	435 911+
Cell	429 12	Manufacturing		Transformants	435 254.11+
Active material electrode	429 27+	Chemical milling	216 2+	Measuring and testing	435 7.31
Automatic control means	429 22+	Chemical, misc	156 67	Fungicides	
Catalytic electrode structure	429 40+	Coating	427 6+	Animal dips and sprays	424
Cell electrical generator	429 12+	Etching	216 2+	Cyanogen compounds	424 607+
Chemically specified electrode	429 46	Irradiation or conversion	376 156	Fertilizers containing	504 101+
Coal slurries	44 280+	Laminating	156 67	Fumigants	424 40+
Design solid	D13 100	Metal stock heat treated	148 401+	Inorganic	424 607+
Mineral oil	208 15	Metallurgical production	75 393+	Oil emulsions	514 938*
Feed and supply systems	137	Metallurgical production	420 1+	Organic	514 1+
Engine combined generally	60	Powder metallurgy	419	Suspending agents & spreaders	514 769+
Engine internal combustion combined	123 495+	Material, actinide or radioactive x-ref patents	376 901*	Fungistatic	
Fuel injection	123 445	Alloy	376 422	Compositions	424
Rotary piston	123 200+	Organic compounds	534 10+	Funnel	
Liquid fuel nozzle generally	239	Mechanical spacing		Chemistry lab apparatus	422 99
Solid fuel burners combined	110 101 R+	means or securing	376 438	Dispenser with funnel type outlet	222 460+
With combustion feature	431	Metal heat treatment	148	Dispenser with separable	141 343
Gas				Household article design	D07 700
Distribution	48 190+			Liquid level or depth gage having	73 294
Automated	705 413			Milk receptacles with funnel filler	232 43
Calculation of gas needed	705 413				

Class Subclass		Class Subclass		Class Subclass	
Supports for.....	248 94	With condensers.....	373 56+	Furring (See Studding)	52 474+
Fur (See Pelts)		Zone melting.....	373 17+	Settable material backer.....	52 344+
Artificial.....	428 85+	Electron beam.....	373 10+	Furrower	172
Cape design.....	D02 832	Zone melting.....	373 17	Furrow followers.....	280 776
Coat design.....	D02 832+	Fluid fuel burner in.....	431 159+	Irrigation dam former.....	172 233+
Collar.....	D02 602+	Solid fuel combined.....	110 260+	Planting drill.....	111 149+
Cutting.....	83 915*	Fronts.....	110 172	Roller combined.....	172 176
Fluid treatment.....	8 94.14	Fuel feeders.....	110 101 R+	Furyl Compounds	549 429+
Dyeing.....	8 404+	Gas scrubbers.....	261 DIG. 9	Azo compounds.....	534 751+
Garments.....	2 65+	Gases		Fuse	
Design.....	D02	Combustion air heating.....	110 303	Ammunition and explosive device.....	102 200+
Leather manufactures derived from		Heating boiler feed water.....	122 420+	Blasting.....	102 200+
furs and related processes.....	69 23+	Power plant water heating.....	60 669	Cordeau detonant.....	102 275.1+
Neckwear design.....	D02 601+	Glass		Mine.....	102 424+
Receptacles for.....	206 11	Annealing.....	65 349+	Mine marine type.....	102 416+
Scarf or muff hangers.....	223 97	Electric.....	373 27+	Combined with fuel.....	44 519
Sewing machines.....	112 16+	Melting.....	432 195+	Condition, electric signal.....	340 638+
Treating apparatus.....	69 23+	Melting and refining.....	65 347	Cutter blasting.....	86 22
Furan	549 505	Pot type.....	432 156	Electric.....	D13 161
Furfural	549 483	Hazardous waste destruction.....	588 300+	Box.....	D13 178
Furfuramide	266 144	Incinerator.....	110 235+	Connector combined.....	337 187+
Furling	114 104+	Liquid heating or evaporating		Thermal.....	337 401+
Furnace (See Heat)	110	Air heater combined.....	126 101	Thermal current.....	337 142
Absorber with manually adjustable		Concentrators.....	159	Electrophotographic fixation.....	399 320+
shading means.....	126 703	Cooking stove combined.....	126	Fusible elements.....	169 42
Arc.....	373 60+	Fireplace combined.....	126 513+	Building structures combined.....	52 232
Ash receiving and handling devices.....	110 165 R+	Open type.....	126 344+	Housing or mounting assembly.....	174 521+
Automatic temperature control.....	236	Pressure generating boilers.....	122	With electrical component	
Bessemer converter.....	266 243+	Melting.....	266 200+	or device.....	361 837
Boiler controlled		Metallurgical		Making.....	493 948*
Air or steam feed.....	110 188	Apparatus.....	266	Measuring and testing timing	
Fuel feeder.....	110 103	Processes.....	75	apparatus.....	73 1.42+
Stoker.....	110 186+	Miscellaneous heating.....	432	Operated	
Car type.....	432 241	Nuclear.....	376 366	Alarm.....	116 106
Charge conveyor within.....	414 150+	Open hearth.....	432 159+	Safety devices for fire	
Charging and discharging.....	414 147+	Pots.....	432 262+	extinguishers.....	122 504.3
Distillation apparatus.....	202	Powdered fuel burning		Safety devices for liquid	
Metal charge.....	75 303+	Fluid fuel combined.....	110 260+	heaters and vaporizers.....	122 504.1
Shaped.....	428 576	Fuel feeders.....	110 104 R+	Stove and furnace dampers.....	126 287.5
Checker brick.....	165 9.1+	Furnace structure.....	110 263+	Proximity.....	102 211+
Chemical reaction.....	422 198+	Puddling.....	266 203	Puller tool.....	81 3.8
Coke.....	202 215+	Recuperator.....	432 179	Setters, ordnance.....	89 6+
Collector includes roof		Regenerative.....	432 180	Fused Cell Formation	435 449+
shingles or tiles.....	126 622	Sawdust refuse and wet fuel.....	110 235+	Fusee	102 358
Cremating.....	110 194	Feeders.....	110 102	Fuselage	
Cupola.....	432 95+	Stoves.....	126 222+	Aircraft construction.....	244 119+
Metallurgical.....	266 197+	Shaft.....	432 95+	Lifting type.....	244 36
Metallurgical, x-art.....	266 900*	Metallurgy.....	266 197+	Fusible	
Design.....	D23 329	Smokestacks.....	110 184+	Boiler safety control.....	122 504.1
Distilling and combustible gas		Solid fuel burning.....	110	Fire extinguisher.....	122 504.3
generating		Stoves.....	126	Bolt or nut, in bolt or nut to	
Burning combined.....	110 229+	Spark and smoke conductors.....	110 145+	substructure lock.....	411 171
Gas generators.....	48 61+	Spark arresters.....	110 119+	Connections.....	169 42
Mineral oil vaporizing.....	208 347+	Stokers.....	241 600*	Metal, in bolt to nut lock.....	411 257
Stills.....	202 81+	Stoves & furnaces.....	126	Plugs for automatic fire	
Doors.....	110 173 R+	Toxic waste destruction.....	588 300+	sprinkler heads.....	169 37+
Draft regulators.....	110 147+	Tuyeres.....	110 182.5+	Receptacle attachment.....	220 89.3
Electric.....	373	Wall manufacture and repair.....	264 30	Sensor signal system.....	340 590+
Arc furnace.....	373 60+	Furniture		Stove damper release.....	126 287.5
Electron beam.....	373 10+	Beds.....	5	Switch.....	337 401+
Zone melting.....	373 17	Cabinets.....	312	Thermal current element.....	200
Glass furnaces.....	373 27+	Chairs and seats.....	297	Thermal current heater.....	337 182+
Glow discharge.....	373 26	Design.....	D06	Thermometer.....	374 106
Induction furnaces.....	373 138+	Doll or toy.....	446 479+	Valve operator.....	137 72+
Channel.....	373 162	Design.....	D21 519+	Valves and controllers.....	222 54
Core-type.....	373 159	Dry closet combined.....	4 465+	Fire extinguisher.....	169 19+
Coreless.....	373 151	Education features combined.....	434 432	Ventilator cowl release.....	454 28
Lining.....	373 164+	Fire escape combined.....	182 35+	Fusion (See Melting)	
Making of lining.....	264 30+	Folding table.....	108 167	Bonding apparatus.....	228
Zone melting.....	373 139	Illuminator combined.....	362 127+	Coating combined.....	427 375
Pressure and vacuum furnace.....	373 60+	Insect trap combined.....	43 109	Separation combined.....	422 285+
Arc with internal atmosphere		Music cabinet.....	84 DIG. 17	Sulphur.....	423 567.1
control.....	373 68	Picture frame combined.....	40 727	Fusion Bonding	
Furnace body detail.....	373 71	Polish.....	106 3+	Glass preforms of.....	65 36+
Resistance furnace.....	373 109+	Protector or cover.....	D06 610+	Apparatus.....	65 152+
Wall cooled furnace		Racks and stands for.....	211 27	Of joints.....	285 21.1+
Arc furnace device.....	373 75+	Ship furniture as life raft.....	441 125+	Fusion Nuclear Reactors	376 100
Induction core-type.....	373 165	Ships.....	114 188+	Fuzzy Logic	
Induction coreless.....	373 158	Store design.....	D06	Applications.....	706 900*
Induction furnace device.....	373 138+	Toy.....	D21 519+		
Resistance furnace device.....	373 113+	Furoic Acid	549 484+		