

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		Carrotting.....	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	Congealing 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+
Ball 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 wft)..... 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)			
data processing.....	705 53	Alarms			
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		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		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		interengaged strands.....	442 136+	Plastic or coating compositions.....	106 15.05+
Apparatus.....	426 654	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			
Straps leather.....	69 17	Firearm (See Gun)			
Thread.....	28 217+	Automatic.....	89 125+	Automatic firearms and guns.....	89 132+
Type casting combined.....	199 81+	Barrels.....	42 76.01	Blasting.....	102 200+
Fins		Bayonets.....	42 86	Drop bomb.....	102 396
Heat exchanger.....	165 185	Bolt making.....	29 903*	Firearm nonautomatic.....	42 69.01+
Nuclear fuel having.....	376 435	Breech loading.....	42 2+	Gun cartridge.....	102 470+
Stabilizing ships.....	114 126	Cane guns.....	42 52	Mechanical guns.....	124 31+

Class Subclass		Class Subclass		Class Subclass	
Mine	102 424+	Badge	40 1.5	Electric	362 208
Mines marine	102 416+	Design	D11 165+	Bicycle operated generator	362 193
Ordnance nonautomatic	89 27.11+	Design, insignia or jewelry	D11 165+	Design	D26 37+
Electric	89 28.05+	Pole or post structure	52 831+	Hand generator per se	310 50
First Aid		Socket	52 298	Hand operated generator	362 192
Cabinets	312 209	Staff	116 173+	Electric generator combined	362 192+
Kits	206 570+	Decorative element	52 301	Bicycle	362 193
X-art collection	206 803*	Staff type support	248 511+	Flash powder and photoflash	431 357+
Fischer-Tropsch Crude Processing	208 950*	Flagpole	52 831+	Flask	
Fischer-Tropsch Synthesis	518 700+	Design	D11 181	Adjustable	164 377
Fish (See Fishing)		Holder	D11 182+	Pattern with	164 237+
Butchering apparatus	452 +	Segmented	52 848	Plastic molding	425 175+
Culturing	119 215+	Socket	52 298	Flat Pack Electronic Device	174 524
Fish bowl design	D30 101+	Flail		Flat Tire Alarm	
Hooks	43 43.16	Cotton harvester	56 29	Electric	340 442
Knife for kitchen use	D07 649+	Threshing machine	460 61	Switch	200 61.22+
Liver extraction		Flails Flexible	451 466+	Nonelectric	116 34 R
Fats etc	554 18	Flake Ice Making	62 320+	Flatiron	38 74+
Medicine containing	424 554+	Flakes		Design	D32 68+
Vitamins	260	Coating	427 212+	Heating	
Net	43 7+	Electroforming	205 74	Automatic temperature	
Design	D22 135	Flame (See Fire; Fireproof)		regulators	236 7
Fabric and processes for making	87 12	Arc lamp	313 231.01+	Electric	219 245+
Making apparatus	87 53	Movable electrode	314	Liquid and gaseous fuel	126 230
Plates	238 243	Arrestor	48 192	Self heating liquid and	
Special, bolt or nut to		Dispenser having	222 189.01	gaseous fuel	126 411+
substructure lock	411 94	Receptacle having	220 88.1+	Stove and furnace	126 227+
Fisherman's Tool	D22 149+	Respirator	128 202.24	Stands combined	38 142
Fishing	43 4+	Bonding by	228 902*	Steam	38 77.1+
Amusement fish ponds	273 140	Colorant composition for fuel	44 642	Support	248 117.1+
Automatic hooks	43 15+	Deflector		Ironing table combined	38 107
Bait, tackle, and catch container	43 54.1+	Deflector in furnace	431 171+	Flats	
Bait or lure carrier	224 920*	Resistance, coated	427 393.3	Bed bottoms	5 186.1+
Minnow buckets	43 56	Retardant, textile collection	57 904*	Carding	19 113
Design	D22 136	Thrower	431 91	Grinding	451 416+
Baskets and creels	43 55	Flanger		Stationary	19 104
Belt with lure holder	D03 221+	Pipe or tube	72 316+	Stripping	19 110+
Containers & carrying cases	D03 260	Sheet	72 101	Traveling	19 102
Design	D22 134+	Flannel and Flannelette Napping	26 29 R+	Flattening (See Crusher; 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		Flavanthone	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)		Flechettes	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+	Design	D14 480.1+	Needle cooperating wheels	66 94
Fishing Rod Holder	D22 147	Flash removal	425 806*	Unknitted materials	66 191
Fission Counter Scintillations	250 361 R+	Spotlight	D26 24+	Fletching Jig	269 38
Fission Sustaining Nuclear Reactors	376	Trimmers	83 914*	Flexible	
Fitting Boots and Shoes	36 8.4	Flash Bulb		Concentric electric cable	174 102 R+
Fittings		Combustion type	431 358+	Fluid vacuum or air	174 28+
Bath basin and receptacle	4 696+	Mount design	D16 239+	With insulation spacer	174 99 R+
Design	D23 271+	Flashing	52 408+	Flail tools	451 466+
Electrical		Exterior type, eg roof	52 58+	Remote control cable	74 500.5+
Boxes housings	174 50+	Glass	65 60.1	Shafts	464
Conductor insulator combined	174 169+	Lamps		Tubing	138 118+
Making		Sign	40 +	Flicker Beam Photometer	356 217
Gas and water	29 890.14+	Sign systems	340 +	Flier	
Pipe	285 120.1+	Switch in lamp	315 72	Spinning machine	57 67+
Fluid distribution design	D23 200	Systems	315	Flier elements	57 115+
Gaslight design	D26 113+	Light as signal	40 902*	Flies	
Scaffolding design	D25 66	Pipe and plate joint roof		Design fishing bait	D22 125+
Suspended support	248 342+	flashing type	285 42+	Sheet delivering	271 83
Fixatives		Signals	340 331	Trouser	2 234
Artists	106	Flashlight		Flight Training Simulator	D25 1
Electrophotographic copier	399 320+	Combined with structure of		Flint	
Perfume	512 2	another device	362 157+	Composition	420 416
Photographic	430 455+	Canes	362 102	Firearm firing device	42 69.01+
Flag	116 173+	Pen or pencil	362 118		

Class Subclass		Class Subclass		Class Subclass	
Lighter.....	431 273+	Flocculation		control responsive to sensed condition.....	204 555
Special packaging for.....	206 528+	Liquid separation.....	210 702+	Electrolytic apparatus.....	204 228.1+
Flip Flop Oscillator	331 144	Solid separation.....	209 5	Electrolytic apparatus.....	204 229.4+
Driven type.....	327 185+	Flocking		Electrolytic apparatus.....	204 229.8+
Gas tube type.....	331 113 R	Apparatus.....	118 308+	Gas filtration particulate material.....	55 474
Flippers for Swimming	D21 806+	Coating combined.....	427 180+	Gas filtration reticulated	
Floating Compasses	33 364	Laminating combined.....	156 279	Gas liquid contact porous sheet.....	261 100+
Floats	169 DIG. 1	Floodgate	49 10+	Gas liquid contact porous mass.....	261 94+
Ballasting.....	114 123	Floodlights	362 538+	Gas liquid contact wet baffle.....	261 108+
Marine pipe or cable laying.....	405 158+	Design.....	D26 61+	Gas separator combined.....	96
Submersible floating matter barrier.....	405 64	Dirigible support.....	362 418+	Heat exchange.....	165 279+
Submersible marine structure.....	405 205	Floor or Flooring	52	Pump reversible.....	417 315
Submersible wave or flow dissipator.....	405 23	Animal building - waste collection.....	119 450+	Radiator heat exchange.....	165 96+
Buoy.....	441 1+	Animal cage.....	119 480	Counter nuclear	
Closure.....	220 216+	Animal stall.....	119 525+	Determine characteristic of fluid.....	250 336.1
Controlled		Waste collection.....	119 527	Through counter tube.....	250 374+
Alarm.....	116 110+	Bridge.....	14 73	Indicators	
Alarm electric.....	340 623+	Bridges for safes.....	109 87	Dispenser combined.....	222 40
Boiler safety device.....	122 505	Building		Electric.....	340 606+
Bottle nonrefillable.....	215 20	Friction or wear surface.....	52 177	Fluid.....	116 273+
Burner liquid fuel.....	431 64	Joists to wall.....	52 289	Refrigerant.....	62 125
Closure.....	49 21+	Masonry.....	53 391+	Lines making, metal working.....	29 DIG. 17
Dispenser fluid pressure discharge.....	222 62	Mat.....	52 660+	Meters	
Dispenser indicator.....	222 51	Nailing beam.....	52 364+	Electric current.....	324 76.11+
Dispenser material level.....	222 67+	Parquet.....	52 390+	Fluid.....	73 861+
Flood gate.....	49 11	Rotatable.....	52 65	Thermal.....	73 204.11+
Funnel valve.....	141 199+	Spacing sleeper.....	52 480	Fluid direction combined.....	73 170.07+
Funnel valve air displacement.....	141 199+	Static mold for making.....	249 18+	Proportional.....	137 98+
Gas liquid contact.....	261 70	Supporting wall.....	52 264	Recorders.....	346 72
Liquid feeder traps.....	137 165+	Vertically adjustable.....	52 126.1+	Regulator.....	138 37+
Liquid level indicator.....	73 305+	Yielding sub-structure.....	52 403.1	Earth boring tool combined.....	175 232+
Liquid purifier.....	210 121+	Carpet.....	428 85+	General utility type.....	138 37+
Liquid purifier level indicator.....	210 86	Design.....	D06 582+	Impact activated valves.....	251 76
Pump electric.....	417 36+	Cleaners.....	D32 15+	Responsive to element deformation.....	137 67
Pump jet.....	417 182.5	Cleaning		Sprinkling and spraying.....	239 533.1+
Pump pneumatic displacement.....	417 126+	Compositions.....	510 214+	Valve combined.....	251 118+
Pump starter.....	417 36+	Machinery design.....	D32 15+	Responsive	
Pump throttle.....	417 36+	Machines and devices.....	15	Alarm.....	116 112
Trap thermal.....	236 53	Disintegrating machine.....	299 36.1+	Alarm electric.....	340 606+
Valve.....	137 409+	Drying apparatus.....	34 237+	Dispenser cutoff.....	222 59+
Valve steam trap.....	137 192+	Endless excavating vehicle.....	37 305	Dispenser preset cutoff.....	222 14
Water closet outlet.....	4 395+	Heat exchanger.....	165 56	Heater closed fluid.....	236 25 R
Water closet plural flusher.....	4 324+	Heated vehicle.....	237 43	Pump throttle valve.....	417 43
Water closet valved bowl.....	4 437+	Hog farrowing pen.....	119 509	Switch electric.....	200 81.9 R
Watering trough.....	119 78+	Jack.....	254 11+	Valve.....	137 455+
Decoy ducks.....	43 3	Lamp.....	D26 93+	Retarder	
Fishing.....	43 43.1+	Lighting.....	362 153	Brake fluid pressure.....	303 84.1
Design.....	D22 146	Mat, portable.....	15 215+	Fluid in conduit.....	138 37+
Fluid pressure gauge.....	73 713+	Mop, sponge, non-bristle broom.....	D32 40+	Railway switch indication.....	246 109
Impeller		Outlet or junction box.....	220 3.3+	Flower	PLT
Endless chain.....	416 7	Packaging for coiled floor covering.....	206 389+	Curbing for flower bed.....	D25 38+
Paddle wheel.....	416 84	Parquet.....	428 50	Holder.....	47 41.01+
Masonry implement.....	15 235.4+	Pavement.....	404 17+	Apparel attached.....	D11 1+
Mortar-joint finisher.....	15 235.3	Polishing		Corsage boutonniere personal wear.....	24 5+
Oil distributor.....	114 234	Compositions.....	106 3+	For plant shrub vine etc.....	47 44+
Operated		Railway car.....	105 422	Furniture type.....	D06 403+
Acetylene generator.....	48 53.4	Auxiliary.....	105 375	Vases.....	D11 143+
Beverage infuser.....	99 320	Registers ventilation.....	454 284+	Wall mounted.....	D06 556+
Brake.....	188 179	Scrubbing or brushing machine.....	D32 15+	Wreaths and sprays.....	248 27.8
Dispenser indicator.....	222 51	Sectional.....	428 44+	Imitation.....	428 17+
Heater fluid.....	236 31	Ship.....	114 76	Plants.....	PLT
Liquid level gauge.....	73 305+	Slatted covering.....	52 660+	Pots.....	47 65.5
Motor fluid.....	60 495+	Surfacing machines.....	451 350+	Design.....	D11 143+
Pump tide motor.....	417 331+	Vehicle floor mat.....	D12 203	Support, depended.....	D06 513+
Specific gravity indicator.....	73 451+	Flora	428 17+	Support, shelf.....	D06 556+
Switch electric.....	200 84 R	Framework for.....	211	Preserving	
Thermal air relief valve.....	236 62+	Floral		Coating or impregnating.....	427 4
Thermal regulator.....	236 52	Holders.....	47 41.01+	Plant catalyst or stimulant.....	504 114+
Thermometer combined.....	374 156	Supports.....	248 27.8	Flowmeter (Fluid)	73 861+
Watergate or weir.....	405 96+	Design, apparel attached.....	D11 1+	Thermal.....	73 204.11
Plural connected, bath.....	4 DIG. 1	Floss, Dental		Flowmeter for Heat	374 29.4
Regulator		Holder.....	D28 66+	Flowrate	73 19.04
Fluid pressure.....	137 505.19	Toilet kit with.....	132 323+	Determination gas content.....	73 19.04
Pump starter.....	417 36+	Flotation		Floxacinil	540 327
Pump throttle.....	417 36+	Liquid purifying.....	210 703+	Flue	
Skimmer glass furnace.....	65 206	Gas-liquid surface contactor.....	210 150	Boiler.....	122
Structure.....	73 322.5	Liquid surface outlet.....	210 221.1	Building attached.....	52 219
Specific gravity tester.....	73 448+	Physical separation agents.....	252 60+	Cleaner	
Supported liquid separator.....	210 242.1	Separating solids.....	209 162+	Brush and broom design.....	D04
Traversing hoist.....	212 307+	Sugar manufacturing.....	127 57	Brush or broom.....	15104.066+
Valve.....	137 409+	Flouncing Lace Goods	87 10	Scrapper.....	15 249.2+
Vessel raising and docking.....	114 44+	Flour	426 622+	Collar adjustable.....	126 315
Warship battery.....	114 4	Bleaching.....	426 253+	Connection making.....	29 890.145
Water closet design.....	D23 303	Manufacture by comminution.....	241 6+	Cover	
Water motor.....	60 495+	Testing.....	73 169	Design	
Flocculating and Deflocculating	209 5	Flouring or Flour Dusting	425 101	Expanders (see expander)	
Prevention of.....	210 696+	Flow (See Proportional, Feeding)			
With precipitation.....	210 702+	Control (see valve, actuation)			
		Dryer.....	34 565+		
		Electrical separation or purification of liquid with			

Class Subclass		Class Subclass		Class Subclass	
Gas heating	432 219+	Rotary kinetic	415	Valve responsive to pressure	362 384
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 Hydrocarbon)	585 400+
Floating matter barrier	405 62	disassembler	29 252	Fluorene (See Aromatic Hydrocarbon)	585 400+
Flow direction measurement	73 170.01+	Pushing and pulling implements	254 93 R	Fluorenone	568 326
Flow indicator	116 273+	Railway car stop	104 256	Fluorescein	549 223
Fluidic device		Railway switches and signals	246	Fluorescent	
Making	29 890.09	Railway turntable	104 37	Cathode ray screen	313 467
Fuel		Rate of climb meter	73 179+	Cathode ray tube	313 467+
Efficiency test	73 114.55+	Reciprocating cutter	83 639.1	Coating	427 157
Gas analysis	73 23.2+	Rotary hoist	212 250	Composition	
Illuminating testing	73 36	Sausage stuffer	452 43	Inorganic	252 301.6 R
Liquid	44 300+	Sawmill set works	83 726	Mineral oil	208 12
Liquid analysis	73 53.01+	Seal for a joint or juncture		Organic	252 301.16
Fuel burner		Biasing		Radioactive	252 625+
Combustion feature	431	dynamic lip	277 558	Contrast agents (in vivo)	424 9.6+
Dispersing feature	239	face or mechanical	277 387+	Devices and applications	250 462.1
Fuel for heating		Blowout preventer	277 324+	Electric light	313 484+
Material or bodies	432	Close proximity seal		Ballast	336 155+
Structures	237	article	277 409+	System	315
Fuel in nuclear reactors	376 151	process	277 301+	Electric lights and electronic	
Fuel in nuclear reactors	376 172	Inflatable		tubes	313 495+
Fuel in nuclear reactors	376 356	dynamic	277 583	Illuminating devices with	362 217.08+
Fuel in nuclear reactors	376 356	static	277 646	Screens	250 483.1
Governor	73 521+	static pipe, conduit or cable	277 605	Signs	40 542+
Elevator	187 345+	well apparatus	277 331+	Fluorides Inorganic	423 462+
Handling equipment	137	Venting		Binary	423 489
Mounted on vehicular support	137 899+	dynamic gland	277 514	Fluorimeter	
Systems	137 561 R+	dynamic lip	277 552	Chemical analysis, apparatus	422 82.08
Branched passage flow control	137 861+	other seal types	277 928	Fluorine	423 500
Heat exchange	165	Seal with bearing	384 131	Acids	423 481
Packaged	D09	Ship steering	114 150+	Halocarbon containing	570 123+
Heater (see heat heater and heating liquid)		Ships log	73 181+	Fluorocarbons, Eg, Teflon, Kel-F	
Electric	392 311+	Sound record molding device	425 385	And memory plastics, pipe joints	285 909*
Infrared treatment of	250 432 R	Sound record molding device	425 406+	Insulated cable and conductors	174 110 FC
Jet texturizer	28 271+	Sprayer	239 237+	Plastic article forming, resin	264 127
Level gauges	73 290 R+	Steering gear	180 400+	Fluoroscope and Fluorescent	250 458.1
Mattress	5 665+	Switch	200 81 R+	Article inspection	250 458.1
Mattress	5 706+	Syringe	604 131+	Fluorescent applications	250 458.1
Measuring vessels	73 426+	Testing device	73 37+	Fluoroscopic equipment	D24 158
Mixture sensing	236 12.1+	Thermometer	374 201+	Tables	378 38
Motor (see propeller)		Thermostat	60 530+	Fluosilicates	423 342+
Brake	303	Tool turret	29 42	Fuosilic Acid	423 341
Expansible chamber	91	Toy	446 176+	Flush Tank	
Manual displacement energized	49 32	Track sander dispenser	291 24	Liquid level control	137 409+
Manufacture	29 888+	Oscillator	239 589.1	Water closet	4 353+
Meter	73 861+	Trolley retriever	191 85+	Bowl combined	4 300+
Power plant	60	Trolley stand	191 67	Urinal	4 353+
		Valve responsive to flow	137 455+		

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

Class Subclass		Class Subclass		Class Subclass	
Support		Blanks and processes for		Pen (see fountain pen)	
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	
Warmer		Inclined elevator or hoist	414 595+	reservoirs	604 80
Heat radiator	237 77	Tilting	414 598+	Fountain Pen (See Pens)	401
Stove	126 204	Making dies	72 470+	Ball point	401 209+
Surgical body wear	607 144+	Railway mail delivery	258 21+	Follower fluid	401 142
Football	473 415+	Railway mail delivery support	258 11+	Bifurcate nib type	401 221+
Balls	473 569+	Single throw lever fulcrumed	254 131.5	Ink retainer attachment at tool	401 252+
Electric scoreboard	340 323 R	Tedder	56 374	Filling	141 21+
Game	473 415+	Vertically swinging	414 685+	Filling	141 18+
Game board	D21 357	Table (see cutlery)	30 322+	Projectable and retractable tool	401 99+
Goal post	473 477	Blanks & processes for making	76 105	Rupturable cartridge	401 132+
Practice device for	473 438+	Combined tool	7 112+	Sign or picture carrying	40 334+
Scoreboard	116 222+	Combined with knife	30 148	Stylographic	401 258+
Shoes	36 128	Dies for making	72 470+	Fourdriner Machines	162 348+
Simulated game	273 108.4+	With ejector	30 129	Fourier Analysis	324 76.21
Tackling dummy	473 441+	With material holder	30 137	Fowl	452 +
Teaching	434 251	Tuning or musical		Brooders	119 302+
Footboard		Music instrument	84 409	Butchering	452 +
Bed	5 53.1+	Tuning	84 457	Care and handling design	D30
Foot or leg support	5 648+	Wheel occupant propelled vehicle		Confining and housing devices	119 416+
Motor vehicle body	180 90.6	Front	280 279+	Design	D30 108+
Railway rolling stock	105 460	Rear	280 288	Feeding devices	119 51.01+
Footholds		Rear yielding	280 284+	Foods	426 635
Building with	52 184+	Forklift Truck	187 222+	Medicines	424
Friction surface	52 177+	Ramp design	D34 32	Supports and shackles	452 188
Cane	135 70	Tilting fork or guide	414 592+	Watering devices	119 72+
Crutch	135 70	Formaldehyde	568 448	Design	D30 121+
Ladder terminals	182 108+	Dehydrating	203 17	Fowler Flap for Aircraft	244 216
Pavement	404 19+	Synthetic resin (see synthetic		Fracture Apparatus Surgical	602 5+
Stair covers	428 85+	resin or natural rubber		Frame	52
Walking aids with tips	135 77+	resin or natural rubber)		Abrading machine	451 340+
Footing (See Bases; Foundation)		Formamide	564 215	Agricultural implement	172 776
Footlights		Formates		Aircraft	
Cleaning type	15 238+	Alkali forming metal	562 609	Airfoil	244 123.1+
Footwear	36	Cellulose	536 67	Airship hull	244 125
Athletic	D02 902+	Esters	560 231+	Fuselage	244 119+
Design, general	D02 896+	Formazans	534 652	Apparel	
Mens	D02 896+	Former (See Die; Molding; Shaping)		Armpit shield	2 57
Moccasin	D02 924	Formic Acid	562 609	Hat	2 175.4+
Sandal	D02 916+	Forming		Apparel apparatus	
Stockings & socks	D02 980+	Metal by plastic shaping	72	Dress coat or skirt stretching	223 69
Wedge	D02 927	Fluent tool or energy field	72 54+	Hat frame making	223 8
Womens	D02 925+	Forms		Tie	223 65
Foraminous		Display	223 66+	Trousers stretching	223 63
Cabinet wall structure	312 213	Design	D20 10+	Bag holder	248 99+
Force Measuring	73	Dress	223 68	Bed	5
Coin controlled devices	194	In situ construction engineering or		Bee	
Dynamometer	73 862+	building type	249 1+	Comb	449 35+
Instrument proving or	73 1.08+	Forme Devices (See Piano)		Hive	449 3+
calibrating	73 1.08+	Fortune Telling Devices	273 161	Canopy	135 121+
Electric	324	Coin controlled	194	Car roof	52 45+
Muscular	73 379.01+	Playing cards	D21 813	Caster	16 31 R+
Force Pump	4 255.01+	Toys	D21 813	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		Brick carriers	294 63.1+
Compound tool with culinary fork	7 112	printing	101 315	Grapple	294 113+
Compound tool with pitch fork	7 115	Bed and platen reciprocating		Vacuum	294 65
Cutlery	30 322+	printing	101 321	Harvester	56
Design	D07 653+	Dampener planographic	101 148	Headwear receptacle	206 9
Guard	30 323	Inker	101 364+	Internal combustion engine	123 195 R
Hand	294 55.5	Inker multicolor	101 210	Land vehicle	
Handles	D08 DIG. 4	Inker roller	101 363	Body structure	296 193.06+
Material handling		Printing members and inker	101 330+	Body supporting	280 781+

Class Subclass		Class Subclass		Class Subclass	
Design.....	D12 159	funds transfer	705 44	Framing	105 404+
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 chare	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 decalcomania	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
		Rail car	105 355+	Trolley transfer	104 105

Class Subclass		Class Subclass		Class Subclass	
Textile weaving	139 346	Calculation of gas needed	705 413	Metal heat treatment	148
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 containing	44 322	Slurry, associated components	376 356
Land vehicle	296 77.1+	Liquid hydrocarbon monomer mixtures	585 1+	Slurry, conversion process	376 171
Railway car	105 353	Aldehyde or ketone containing	44 437+	Spacing means or securing	376 438
Frost Indicator for Refrigerator	62 128	Azo compound containing	44 328	Waste disposal or containment	588 1+
Frost Preventing		Carbohydrate containing	44 313	Nuclear device making	29 DIG. 9
Composition	252 70	Carboxamide containing	44 418+	Plural cells	429 18+
Coating	106 13	Explosive or thermic containing	149 1	Process of operating	429 13+
Plants and fruit	47 2	Free metal or alloy containing	44 321	Pumps	415
Refrigerator	62 272+	Halo hydrocarbon containing	44 456	Pump	417
Automatic	62 150+	Heavy metal containing except lead	44 354+	Service station pump	D15 9.1+
Process	62 80+	Heterocyclic compound containing	44 329+	Refrigerant utilized as	62 7
Frosting Lamp Bulbs	216 98	Inorganic compound containing	44 457+	Service station pump	D15 9.1+
Froth		Material, actinide or radioactive inorganic compound	423 249+	Solid and liquid	44
Flotation	209 163+	Nitrate or nitrite ester containing	44 323+	Solid compositions with binder and additional component	44 551+
Agents	252 61	Nitrile or isonitrile containing	44 384	Solid electrolyte	429 30+
Copper	209 901*	Nitro compound containing	44 413+	Solid with binders	44 551+
Phosphate	209 902*	Organic amine containing	44 412+	With binders	44 551+
Preventing	516 115+	Organic carboxylate containing	44 388+	Spread out into a film	261 DIG. 25
Fruit	426 616+	Organic oxygen compounds containing	44 436+	Testing consumption	73 114.54+
Apparatus for treating	99 467	Organic sulfate containing	44 369	Treatment, solid fuel furnace	110 218+
Cleaning		Organic sulfonate containing	44 370+	Fuel Rating	73 35.02
Brushing or wiping apparatus	15 3.1+	Organic sulfur or organic phosphorus containing	44 435+	Fulcrum	
Fluid treatment apparatus	134	Organo lead compounds containing	44 454+	Brake beam type	188 231+
Processes	426 478+	Phosphorus organic acids or esters containing	44 375+	Full Stroke Mechanism	74 17.5
Clipper	30 123.5+	Quinone containing	44 312	Dispensers	
Coffee substitutes from	426 594+	Silicon containing	44 320	Pump type	222 375
Corer	99 547+	Solid hydrocarbon polymer containing	44 459	Full Wave Gas Rectifier	313 581
Design	D07 693	Solidifying	44 265+	High vacuum rectifier	313 306
Gatherer	56 328.1+	Urea or thiourea containing	44 417	Fuller's Earth	
Design	D08 13	Log	44 535	Adsorbent	502 232+
Halving cutters	83	Mineral oil	208 15+	Carbon combined	502 180
Juice extractor		Nuclear	976DIG. 37+	Fulling	
Comminuting citrus fruits	99 495	Nuclear	376	Hide apparatus	26 19+
Design	D07 665+	Alloys for actinide groups	420 1+	Inorganic explosive or thermic composition containing	69 33+
Interfitting cup type press	100 213	Blanket arrangements	376 172	Fulminating Igniter	149 33+
Presses	100 104+	Bundle or pack	376 434	Fulminating Igniter	431 269+
Peelers or parers	99 588+	By-product treatment	376 189	Fumaric Acid	562 595
Design	D07 693	Canned	376 412	Fume Arrester	
Plants	PLT 156+	Carrier, insertable	376 342	Consumable electrode discharge devices	314 26+
Preservation	426 321+	Cladding	376 457	Gas separation	96
Canning	426 392	Coated or impregnated	376 414	Hoods	454 49+
Coating	426 289+	Complementary segments	376 429	Design	D23 371+
Dehydration	426 471+	Compositions	252 636+	Metallurgical apparatus	266 144+
Refrigeration	426 524	Concentric layers	376 431	Textile fluid treating	68 209
Seeding and stoning	99 547+	Coolant included	376 424	Fume Generator	422 305+
Sorting machines	209 509+	Core arrangements	376 348	Fumigants	424 40+
Stemmer	99 635+	Electrolytic production	205 43+	Fumigation	
Frying Pan		In fission plenum	376 412	Animal	119 673
Deep fat	99 403+	Particles	376 411	Food	426 312+
Open top liquid heater	126 373.1+	Reprocessing	423 249+	Apparatus	99 467
Structure	220 573.1+	Handling	376 260	Soils	47 58.1SC
Surface griddles	99 422+	Layered	376 416	Vermin destroying	43 125+
Ftorafur	544 313	Leak detecting	376 250	Fungi (See Also Yeast and Mushroom)	
Fuchsine Acid	552 112	Warning structure	376 450	Compositions	435 171
Fuchsine	552 114+	Loading and unloading	376 264	Body treating	424 93.1+
Fuel	44	Manufacturing		Edible products	426
Bound animal blood or animal manure containing	44 552	Chemical milling	216 2+	Single cell protein	435 804*
Bound sewage containing	44 552	Chemical, misc	156 67	Protein extracts from	530 371
Boxes	126 283	Coating	427 6+	Fungi, per se, culture methods	435 254.1+
Can	D23 202+	Etching	216 2+	Species cross-reference	435 911+
Cell	429 12	Irradiation or conversion	376 156	Transformants	435 254.11+
Active material electrode	429 27+	Laminating	156 67	Measuring and testing	435 7.31
Automatic control means	429 22+	Metal stock heat treated	148 401+	Fungicides	
Catalytic electrode structure	429 40+	Metallurgical production	75 393+	Animal dips and sprays	424
Cell electrical generator	429 12+	Metallurgical production	420 1+	Cyanogen compounds	424 607+
Chemically specified electrode	429 46	Powder metallurgy	419	Fertilizers containing	504 101+
Coal slurries	44 280+	Material, actinide or radioactive x-ref patents	376 901*	Fumigants	424 40+
Design solid	D13 100	Alloy	376 422	Inorganic	424 607+
Mineral oil	208 15	Organic compounds	534 10+	Oil emulsions	514 938*
Feed and supply systems	137	Mechanical spacing means or securing	376 438	Organic	514 1+
Engine combined generally	60			Suspending agents & spreaders	514 769+
Engine internal combustion combined	123 495+			Fungistatic	
Fuel injection	123 445			Compositions	424
Rotary piston	123 200+			Funnel	141 331+
Liquid fuel nozzle generally	239			Chemistry lab apparatus	422 99
Solid fuel burners combined	110 101 R+			Dispenser with funnel type outlet	222 460+
With combustion feature	431			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	

Class Subclass		Class Subclass		Class Subclass	
filler	232 43	Resistance furnace device	373 113+	Furoic Acid	549 484+
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+		