U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

CLASSIFICATION ORDER 1852

APRIL 4, 2006

Project No. E-5658

The following classification changes will be effected by this order:

	Class	Subclass	Art Unit	Ex'r Search Room No.
Abolished:	174	35, 48, 49, 52.1-52.6, 65	2831	JEF-10D-C75
Established:	174	350-397, 480-507, 520-565, 650-669, Dig. 34, Dig. 35	2831	JEF-10D-C75

The following classes were impacted by this order.

Classes: 29, 52, 219, 220, 248, 257, 264, 277, 285, 296, 312, 313, 324, 330, 331, 333, 334, 335, 336, 337, 338, 343, 361, 428, 438, 439, 455

This order includes the following:

A. CLASSIFICATION MANUAL CHANGES,

B. LISTING OF PRINCIPAL SOURCE OF ESTABLISHED AND DISPOSITION OF ABOLISHED SUBCLASSES,

C. CHANGES TO THE U.S. – I.P.C. CONCORDANCE,

D. DEFINITION CHANGES.

CLASSIFICATION ORDER 1852

APRIL 4, 2006

Project Leader:	Emily Chan
Project Classifier:	Emily Chan
Examiner:	Kamand Cuneo
Technician:	Helen Butler
Reviewer:	Yen M. Nguyen
Editor:	Almeta Quinn
Editorial Assistant:	Louise Bogans

A. CLASSIFICATION MANUAL CHANGES

Additional and Modified Subclasses

CLASS 174 ELECTRICITY: CONDUCTORS AND INSULATORS

APRIL 2006

Title Change
* Newly Established Subclass
@ Indent Change
& Position Change

ANTI-INDUCTIVE STRUCTURES
.Shielded
* 395 ..Radio tube shields
* 396 ..Coils, antieddy current
* 397 ..Spark plugs, manifolds
37 UNDERGROUND
38 .Distributing and/or combined with overhead
39 .Street, sidewalk, gutter or curb structure
40 R OVERHEAD
41 .With messenger cable
42 .With conductor vibration damping means
43 .Distributing and/or plural point support
44 .With connector or wire fanning arrangements
45 R .Towers, poles or posts
45 TD ..Tension devices
40 CC .Ground clamps and cable clips
40 TD .Tension devices
46 HANDLES
47 COMBINED FLUID CONDUIT AND ELECTRICAL CONDUCTOR
* 480 WALL MOUNTED
* 481 .Conduit and housing
* 482 ..Floor
* 483 ...Poke through
* 484 ....Terminal above floor
* 485 ....Bell cover
* 486 ...Under floor and flush mounted
* 487 ....Terminal on floor
* 488 .....Cover
* 489 ....Terminals inside housing
* 490 ...Floor fixture
* 491 ..Ceiling
* 492 ..Corner mounted
* 493 ..Power pole
* 494 ..Power strip
* 495 ..Partition
* 496 ...Adjustable
* 497 ...Lower portion
* 498 ...Upper portion
* 499 ...Vertical portion
* 500 ..Cabinet and furniture
* 501 ...Hospital console
* 502 ..Flush mounted
* 503 ..Bracket mounted
* 504 ..Casing and molding
* 505 ..Interior wall conduit
* 506 ...Branched
* 507 ..Nail protector
50 BOXES AND HOUSINGS
50.5 .Hermetic sealed envelope type
50.51 ..With covering or casing for envelope
50.52 ..With electrical connector
50.53 ...Envelope portion forms connector
50.54 ..With mounting means for a device within envelope
50.55 ..Hollow lead surrounding another lead (e.g., concentric type)
50.56 ..Lead-in insulated from metal wall
50.57 ..Stem or sealing disk attached to envelope neck
50.58 ...By fused-type seal
50.59 ..With shield for lead-in seal or between the lead-in conductors
50.6 ..Plural lead-in
50.61 ..With bonded seal for conductive member (e.g., glass to metal)
50.62 ...With cement or plastic
50.63 ...Metal disk or ring-type seal
50.64 ...Foil or flat lead-in
51 .With grounding means
* 520 .With electrical device
* 521 ..Encapsulated (potted, molded, plastic filled)
* 522 ...Vent, inlet or exit
* 523 ...Dam
* 524 ...Plural layers
* 525 ...Flexible
* 526 ...Cooled
* 527 ...External terminals
* 528 ....Leads
* 529 .....On lead frame
* 530 ......Multiple tiers
* 531 .....Varying dimension
* 532 .....Bent
* 533 ......Outside of housing
* 534 ....Lands
* 535 ..Details of mount
* 536 ...Lead frame
* 537 ....Multiple frames
* 538 ....Wire bonded
* 539 ....Seal
* 540 .....Surrounding lead
* 541 ...Connection
* 542 ...Movable, rotatable, or slidable
* 543 ....On door
* 544 ...Shock absoption
* 545 ...Clip
* 546 ..Coated
* 547 ..Cooled
* 548 ...Heat sink
* 549 ..External terminals
* 550 ...Keys
* 551 ...Leads
* 552 ....Varying dimension
* 553 ....Lap joined
* 554 ....Sealing ring
* 555 ....Bent
* 556 .....Outside of housing
* 557 ...Lands
* 558 ...Bumps
* 559 ..Multipart housing
* 560 ...Joining parts
* 561 ....Interlocking
* 562 .....Fastener
* 563 .....Recess with mating projection
* 564 ....Seal
* 565 ..Specific material
53 ..Plug receptacle or wall switch type
54 ...With fixture coupling or mounting means

	BOXES AND HOUSINGS
	.With electrical device
	..Plug receptacle or wall switch type
55	...Unitary with face plate
56	....External
57	...Adjustable
58	...With box or housing mounting means
59	..With connectors
60	...Cable or conduit terminal casings
61	..Fixtures coupling or mounting means
62	...Stud or nipple
63	....With box supporting means
64	....With conduit or cable coupling means
* 650	FEEDTHROUGH OR BUSHING
* 651	.Movable
* 652	.Compression
* 653	..Threaded casing with deformable member
* 654	...Grips both sides of jacket or shield
* 655	..Threaded casing with resilient fingers
* 656	..Multipiece casing
* 657	...With fastener
* 658	....Parallel to cable length
* 659	.With opening retaining member
* 660	..Projections or fingers
* 661	..Cantilevered plate
* 662	..Serpentine cable path
* 663	..Plate and fastener
* 664	..Split collar
* 665	.Collar with engagement member
* 666	.Knockouts
* 667	.Plastic filled
* 668	.Wall engagement member
* 669	..Opposed wall engagement member
66	COVERS OR FACE PLATES
67	.With closure for face plate opening
68.1	CONDUITS, CABLES OR CONDUCTORS
68.2	.Bus bars or bus ducts (Residual)
68.3	.Single duct conduits
250	.Preformed panel circuit arrangement (e.g., printed circuit)
251	..With encapsulated wire
252	..With cooling means
253	..Micropanel
254	..Convertible shape (e.g., flexible) or circuit (e.g., breadboard)
255	..With particular substrate or support structure
256	..With particular material
257	...Conducting (e.g., ink)
258	...Insulating
259	...Adhesive/bonding
260	..With electrical device
261	..With particular conductive connection (e.g., crossover)
262	...Feedthrough
263	....With solder
264	....Voidless (e.g., solid)
265	.....Preform in hole
266	....Hollow (e.g., plated cylindrical hole)
267	...Termination post
268	..With single conductive plane (e.g., tape, cable)
69	.Extensible
70 R	.Combined
71 R	..Branched
72 R	...Multi-duct conduit and/or plural branch
72 A	....Wire harness
72 B	....Bus bars
72 C	....Casing, moldings
72 TR	....Ribbon type
71 B	...Bus bars
71 C	...Coaxial
73.1	..With joint or end structure conductive stress distributing means
74 R	..With end structure
75 R	...With joint
75 B	....Bootleg
75 D	....With detachable joint (e.g., potheads)
75 F	....Flexible spring type
75 C	....Coaxial
76	...Plastic filled
77 R	...Sealing
77 S	....Spark plugs
78	...With grounding means
79	...With supporting means
80	...With insulator skirts
81	...Elbow or hood outlet type
82	...End cap outlet type
83	...Lining thimble
74 A	...Insulating cap or sleeve
84 R	..With joints
85	...Axially insulated joint sleeve sections
86	...Angularly movable or adjustable
87	...Angular
88 R	...Plural conductor and/or duct
88 B	....Bus bars
88 C	....Coaxial
88 S	....Separable
89	...Radially spread or flanged sheath or conduit
90	...Stranded conductor
91	...Divided joint sleeves
92	....Longitudinally
93	...Sleeve and end cap-type casing
94 R	...Bare-conductor
94 S	....Separable
84 C	...Crimped
84 S	...Separable
70 S	..Submarine repeater housings
70 B	..Bus bars
70 C	..Conduits or strips
70 A	..Aerial cable
95	.Plural duct
96	..Embedded conduit-ducts or conductors
97	..Grooves or channels
98	.With embedded conduit-duct or conductor
99 R	.With interior conductor or cable supports
100	..Vertical conductor or cable
99 B	..Bus bars

CONDUITS, CABLES OR CONDUCTORS
.With interior conductor or cable supports
99 E ..Expansion
101 .Removable wall
101.5 .Buoyant
102 R .Conductive armor or sheath
103 ..Plural individually sheathed or armored conductors
104 ...Embedded in shield
105 R ..Plural, insulated
105 SC ...Semiconducting
105 B ...Segmental
106 R ..Plural, conductively contacting or composite
106 SC ...Semiconducting
106 D ...Corrugated
107 ..Protected by nonconductive layer
108 ..Spirally applied
109 ...Overlapping or interlocking
102 A ..Alloys
102 SC ..Semiconducting
102 C ..Sheath coated
102 SP ..Strip, type, perforated, slotted
102 P ..Powdered insulation
102 D ..Corrugated
102 E ..Rope
110 R .Insulated
111 ..With beads or disc
112 ..With identifying means
113 R ..Multiple conductor
114 R ...Split conductor
114 S ....Segmental reentrant
115 ...Dissimilar or auxiliary conducting elements
116 ...With filler insulation
117 R ...Assemblies of noncircular section
117 F ....Flat or ribbon type
117 FF ....Conductor itself is flat
117 M ....Mesh
117 AS ....Air-spaced
117 A ....Adhesive
113 A ...Radially compressed
113 AS ...Air-spaced
113 C ...Insulating core
118 ..With powdered or granular material
119 R ..Composite or noncircular strand section
119 C ...Coated, compositions
120 R ..Plural or impregnated layers
121 R ...Fibrous or fabric with plastic or coating materials
121 A ....Flame, weather or mold proof
121 B ....Cellulose
121 AR ....Rubber
121 SR ....Synthetic resin
122 R ...Fibrous or fabric
122 G ....Glass
122 C ....Coated
120 C ...Coated or impregnated
120 FP ...Fluid-type cable paper
120 SC ...Semiconducting
120 AR ...Rubber
120 SR ...Synthetic resin
124 R ..Fibrous or fabric
124 G ...Mineral-glass
124 GC ...Mineral-glass, coated
110 A ..Oxide
110 P ..Cellulose
110 AR ..Rubber
110 SR ..Synthetic resin
110 SY ..Styrene
110 B ..Isobutylent
110 N ..Polyamide (Nylon)
110 PM ..Polyethylene (including "Mylar")
110 D ..Dacron
110 V ..Vinyl
110 FC ..Fluorocarbons (teflon, Kel-f, FEP-Teflon)
110 S ..Silicones
110 F ..Foam
110 E ..Epoxy
125.1 .Superconductors
126.1 .Conductor structure (nonsuperconductive)
126.2 ..Composite
126.3 ..Corrugated or slotted
126.4 ..Metal coated on insulation
127 ..Corona prevention
128.1 ..Plural strand
128.2 ...Bundle conductors
129 R ...Assemblies of noncircular section
129 B ....Bus bars
129 S ....Segmental, reentrant
130 ...Annular
131 R ....With wall support
131 A .....Insulating core
131 B .....Synthetic, coated
133 R ..Noncircular strand section
133 B ...Bus bars
135 .Accessories
136 ..Anti-abrasion devices
137 R INSULATORS
138 R .Special application
138 A ..Antennas
138 C ..Compositions
138 S ..Spark plugs
138 B ..Pull chains
138 D ..Studs, rods, and joints
138 E ..Slot liners and spacers
138 F ..Terminal covers
138 G ..Component mounting pads, spacers and holders
138 H ..Neon tube type
138 J ..Resistor or heater type
139 .Combined
140 R ..With conductive arcing or stress distributing means
141 R ...Strings or stacks
141 C ....Coated
142 ...Bushing type
143 ....Condenser type
144 ...Arcing or grading devices
140 C ...Coated

INSULATORS
.Combined
..With conductive arcing or stress distributing means
140 H ...Hood type
140 S ...Strain type
140 CR ...Corona ring
145 ..With connector
146 .Mid-line spacers
147 ..Cross-over
148 .Multiple insulator assemblies
149 R ..Multiple conductor
149 B ...Bus bars
150 ..Strings and stacks
151 .Through wall or plate
152 R ..Bushing type
153 R ...Opposed wall engaging means
153 A ....Antennas
153 G ....Grommets
152 A ...Antennas
152 E ...Electric space discharge device
152 S ...Spark plugs
152 G ...Grommets or tubes
152 GM ...Glass-to-metal seal
154 .Insulator and conductor embracing holder
155 ..Divided insulator
156 .Divided insulator
157 ..Aligned through aperture
158 R .With insulator-supporting or attaching means
159 ..Insulated nail or staple type
160 ..Strand engaging suspension means
161 R ..Adjustably or movably mounted
161 F ...Fence post insulators
162 ..Double arm
163 R ..Support and/or insulator embracing or clamping
163 F ...Fence post insulators
164 ..Support penetrating
165 ...Penetrating element socketed in insulator
166 R ...Through aperture, penetrating element clamped
166 S ....Stand-off insulators
158 F ..Fence post insulators
167 .With conductor receiving aperture or bushing type
168 .With conductor holding means
169 ..Fitting or terminal type
170 ...Hooks
171 ...Special conductor form
172 ..Insulator embracing
173 ...Tie wires
174 ..Insulator structure
175 ...Self-retaining
176 .With terminal elements
177 ..Plural
178 ...Multi-part, sectional or composite insulator
179 ....Protected rod type
180 ....Pin and opposed overlapping terminal
181 ...With insulated reinforcing or interlocking element
182 ...Cap and pin
183 ...Overlapping
184 ....Interlinking
185 ....Pin and opposed terminal
186 ...Caps
187 ..Ventilating
188 ..Cap type
189 ...Plastic material adhered
190 ...Divided cap
191 ...Clamps or clasps
192 ...Rings or wedges
193 ...Screw or bayonet
194 ..Pin type
195 ...Multi-part insulators
196 ...Plastic material adhered
197 ...Clamps or clasps
198 ...Rings or wedges
199 ...Expanded
200 ...With thimble in socket
201 ...Through pin
202 ...Screw or bayonet type
203 ....Strand thread
204 ....Sheet material thread
205 ....Soft yielding material pin
206 ....Sockets
207 ..Link or clevis
208 .Link type
209 .Sectional, multi-part, composite, or coated
210 ..Pin socket type
211 .With moisture or dirt removing or shedding
212 .Surface configuration
137 A .Coated
137 B .Compositions

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FOREIGN ART COLLECTIONS
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FOR 000 CLASS-RELATED FOREIGN DOCUMENTS

Any foreign patents or nonpatent literature from subclasses that have been reclassified have been transferred directly to the FOR Collection listed below. These Collections contain ONLY foreign patents or nonpatent literature. The parenthetical references in the Collection titles refer to the abolished subclasses from which these Collections were derived.

* ANTI-INDUCTIVE STRUCTURES (174/32)
* FOR 100 .Shielded or screened (174/35R)
* FOR 101 ..Connectors and joints (174/35C)
* FOR 102 ..Spark plugs, manifolds (174/35SM)
* FOR 103 ..Gaskets, covers (174/35GC)
* FOR 104 ..Coils, anti-eddy-current (174/35CE)
* FOR 105 ..Materials, stock and screen rooms (174/35MS)
* FOR 106 ..Radio tube shields (174/35TS)

* FOR 107	WALL MOUNTED CONDUITS AND/OR HOUSINGS (174/48)
* FOR 108	.Plural outlet and/or conduit (174/49)
*	BOXES AND HOUSINGS (174/50)
* FOR 109	.With electric device or mounting means therefor (174/52.1)
* FOR 110	..Potted or encapsulated (174/52.2)
* FOR 111	..Sealed (174/52.3)
* FOR 112	...Flat housing for electronic device (e.g., flat pack, dual-in-line package) (174/52.4)
* FOR 113	...Header, mounting stud, or can-type housing for semiconductor or crystal (174/52.5)
* FOR 114	...Pellet type housing (174/52.6)
* FOR 115	.With conduit or cable opening, coupling means or hole closures (174/65R)
* FOR 116	..Sealed stuffing-gland type (174/65SS)
* FOR 117	..Grommet type (174/65G)

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DIGESTS

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DIG 1	ANTI-TRACKING
DIG 2	BALLASTS
DIG 7	SODIUM CONDUCTORS, CONNECTORS, ETC.
DIG 8	SHRINKABLE TUBES, ETC.
DIG 9	PULL-OUT CABINET OR DRAWER WITH RETRACTABLE CABLE
DIG 10	BUSHING WITH CURRENT TRANSFORMERS
DIG 11	ZIPPER TUBES
DIG 12	HELICAL PREFORMS
DIG 13	HIGH VOLTAGE CABLE (E.G., ABOVE 10KV, CORONA PREVENTION, ETC.)
DIG 14	.Having a particular cable application (e.g., winding, etc.)
DIG 15	..In a power generation system (e.g., prime-mover dynamo, generator system, etc.)
DIG 16	..In a motive power system (e.g., electric motor control system, etc.)
DIG 17	..In an electric power conversion, regulation, or protection system
DIG 18	..In a power distribution network
DIG 19	..In a dynamo-electric machine
DIG 20	...Stator
DIG 21	...Rotor
DIG 22	...Winding, per se
DIG 23	..In a circuit breaker, relay, or switch
DIG 24	..In an inductive device (e.g., reactor, electromagnet, etc.)
DIG 25	...Transformer
DIG 26	.Having a plural-layer insulation system
DIG 27	..Including a semiconductive layer
DIG 28	...Plural semiconductive layers
DIG 29	.Having a semiconductive layer
DIG 30	.Having insulation with a particular dimension or geometry
DIG 31	.Having a shield or metallic layer
DIG 32	.Having means for cooling
DIG 33	.Method of cable manufacture, assembly, repair, or splicing
* DIG 34	PCB IN BOX OR HOUSING
* DIG 35	BOX OR HOUSING MOUNTED ON SUBSTRATE OR PCB

SOURCE CLASSIFICATION(S) OF PATENTS
IN NEWLY ESTABLISHED SUBCLASSES REPORT
PROJECT: E5658

Generated by: Data Control Division

New Classification	Number Of ORs	Source Classification	Number Of ORs
174/1	1	174/52.4	418
174/115	1	174/65 R	326
174/135	2	174/48	527
174/138 E	1	174/65 R	326
174/138 F	2	174/52.1	458
174/138 G	4	174/52.1	458
174/148	1	174/52.1	458
174/17.07	1	174/52.3	179
174/18	1	174/52.2	294
174/200	1	174/52.4	418
174/250	2	174/35 R	386
	2	174/52.4	418
174/252	1	174/52.1	458
174/254	1	174/35 C	50
174/255	1	174/35 R	386
	1	174/52.2	294
174/257	1	174/52.4	418
174/260	1	174/35 GC	315
	1	174/35 R	386
	1	174/52.2	294
	1	174/52.4	418
174/262	2	174/52.4	418
174/350	1	174/35 CE	13
	3	174/35 GC	315
	4	174/35 MS	220
	14	174/35 R	386
	1	174/52.1	458
	1	174/52.2	294
174/351	1	174/35 C	50
	14	174/35 GC	315
	1	174/35 MS	220
	5	174/35 R	386
174/352	1	174/35 R	386
174/353	6	174/35 GC	315
	4	174/35 MS	220
	5	174/35 R	386
174/354	1	174/35 C	50
	29	174/35 GC	315
	1	174/35 MS	220
	1	174/35 R	386
174/355	24	174/35 GC	315
	1	174/35 MS	220
	2	174/35 R	386
174/356	16	174/35 GC	315

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New Classification	Number Of ORs	Source Classification	Number Of ORs	Comments
174/357	10	174/35 GC	315	
	1	174/35 R	386	
	1	174/52.2	294	
174/358	31	174/35 GC	315	
	3	174/35 R	386	
174/359	20	174/35 C	50	
	15	174/35 GC	315	
	23	174/35 R	386	
	1	174/49	64	
	2	174/52.1	458	
	2	174/52.4	418	
	1	174/65 R	326	
174/36	2	174/35 R	386	
174/360	3	174/35 C	50	
	1	174/35 CE	13	
	2	174/35 GC	315	
	2	174/35 MS	220	
	8	174/35 R	386	
	2	174/48	527	
	1	174/52.1	458	
	3	174/65 R	326	
174/361	3	174/35 C	50	
	1	174/35 GC	315	
	2	174/35 R	386	
174/362	2	174/35 C	50	
	1	174/35 GC	315	
	1	174/35 MS	220	
	8	174/35 R	386	
	1	174/48	527	
174/363	2	174/35 C	50	
	4	174/35 GC	315	
	9	174/35 MS	220	
	16	174/35 R	386	
	1	174/49	64	
174/364	1	174/35 C	50	
	3	174/35 GC	315	
	3	174/35 MS	220	
	1	174/35 R	386	
174/365	2	174/35 GC	315	
	1	174/35 MS	220	
	7	174/35 R	386	
174/366	15	174/35 GC	315	
	5	174/35 MS	220	
	11	174/35 R	386	

Generated by: Data Control Division

New Classification	Number Of ORs	Source Classification	Number Of ORs
174/367	1	174/35 C	50
	14	174/35 GC	315
	8	174/35 MS	220
	2	174/35 R	386
	1	174/52.1	458
174/368	2	174/35 C	50
	8	174/35 GC	315
	7	174/35 MS	220
	7	174/35 R	386
174/369	10	174/35 GC	315
	5	174/35 MS	220
	4	174/35 R	386
174/37	1	174/52.1	458
	1	174/65 R	326
174/370	11	174/35 GC	315
	2	174/35 R	386
174/371	5	174/35 GC	315
	11	174/35 MS	220
	7	174/35 R	386
174/372	7	174/35 GC	315
	4	174/35 MS	220
	29	174/35 R	386
	4	174/35 TS	73
	1	174/48	527
	1	174/52.1	458
	1	174/65 R	326
174/373	5	174/35 GC	315
	13	174/35 MS	220
	7	174/35 R	386
	3	174/52.1	458
174/374	9	174/35 GC	315
	7	174/35 MS	220
	8	174/35 R	386
174/375	1	174/35 GC	315
	4	174/35 MS	220
	5	174/35 R	386
174/376	1	174/35 C	50
	1	174/35 GC	315
	3	174/35 MS	220
	7	174/35 R	386
174/377	1	174/35 C	50
	13	174/35 GC	315
	4	174/35 MS	220
	34	174/35 R	386

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174/377	1	174/35 TS	73
	1	174/48	527
	1	174/49	64
	2	174/52.1	458
	1	174/52.4	418
	1	174/65 G	106
174/378	1	174/35 C	50
	2	174/35 GC	315
	7	174/35 R	386
174/379	3	174/35 MS	220
	1	174/35 R	386
174/38	1	174/48	527
174/380	1	174/35 C	50
	2	174/35 MS	220
	5	174/35 R	386
174/381	2	174/35 GC	315
	5	174/35 MS	220
	8	174/35 R	386
	1	174/52.3	179
174/382	1	174/35 C	50
	12	174/35 GC	315
	6	174/35 MS	220
	20	174/35 R	386
174/383	1	174/35 C	50
	4	174/35 GC	315
	9	174/35 MS	220
	14	174/35 R	386
174/384	10	174/35 GC	315
	5	174/35 MS	220
	19	174/35 R	386
	1	174/35 TS	73
174/385	1	174/35 GC	315
	2	174/35 MS	220
	5	174/35 R	386
174/386	1	174/35 C	50
	1	174/35 CE	13
	1	174/35 GC	315
	12	174/35 MS	220
	7	174/35 R	386
174/387	1	174/35 C	50
	4	174/35 GC	315
	15	174/35 R	386
	1	174/35 TS	73
	1	174/52.1	458

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174/388	1	174/35 CE	13
	6	174/35 GC	315
	13	174/35 MS	220
	10	174/35 R	386
	1	174/52.1	458
	1	174/52.3	179
174/389	2	174/35 GC	315
	13	174/35 MS	220
	3	174/35 R	386
174/390	3	174/35 GC	315
	8	174/35 MS	220
	6	174/35 R	386
174/391	16	174/35 MS	220
	13	174/35 R	386
174/392	1	174/35 GC	315
	4	174/35 MS	220
	3	174/35 R	386
174/393	1	174/35 C	50
	1	174/35 GC	315
	7	174/35 MS	220
	2	174/35 R	386
174/394	1	174/35 C	50
	14	174/35 MS	220
	9	174/35 R	386
174/395	1	174/35 C	50
	1	174/35 GC	315
	1	174/35 MS	220
	3	174/35 R	386
	65	174/35 TS	73
174/396	7	174/35 CE	13
	1	174/35 R	386
174/397	2	174/35 CE	13
	3	174/35 R	386
	43	174/35 SM	43
174/47	1	174/52.1	458
174/480	36	174/48	527
	1	174/65 G	106
174/481	55	174/48	527
	13	174/49	64
	2	174/52.1	458
	1	174/52.3	179
	1	174/52.4	418
174/482	36	174/48	527
	6	174/49	64

SOURCE CLASSIFICATION(S) OF PATENTS
IN NEWLY ESTABLISHED SUBCLASSES REPORT
PROJECT: E5658

Generated by: Data Control Division

New Classification	Number Of ORs	Source Classification	Number Of ORs
174/483	1	174/35 MS	220
	47	174/48	527
	1	174/49	64
174/484	20	174/48	527
	1	174/49	64
174/485	6	174/48	527
	1	174/52.1	458
	1	174/65 R	326
174/486	27	174/48	527
	10	174/49	64
	1	174/52.1	458
174/487	12	174/48	527
174/488	6	174/48	527
174/489	11	174/48	527
	1	174/65 R	326
174/490	4	174/48	527
174/491	17	174/48	527
	2	174/49	64
	2	174/52.1	458
	1	174/65 R	326
174/492	10	174/48	527
174/493	16	174/48	527
	3	174/49	64
	1	174/52.1	458
174/494	7	174/48	527
174/495	17	174/48	527
	2	174/49	64
174/496	6	174/48	527
174/497	19	174/48	527
174/498	6	174/48	527
174/499	3	174/48	527
174/50	1	174/49	64
	2	174/52.1	458
	1	174/52.3	179
	2	174/65 R	326
174/50.5	1	174/52.1	458
	2	174/52.3	179
	12	174/52.4	418
	1	174/65 R	326
174/50.51	2	174/52.1	458
	1	174/52.3	179
	3	174/52.4	418
174/50.52	1	174/52.1	458
	3	174/52.2	294

SOURCE CLASSIFICATION(S) OF PATENTS
IN NEWLY ESTABLISHED SUBCLASSES REPORT
PROJECT: E5658

Generated by: Data Control Division

New Classification	Number Of ORs	Source Classification	Number Of ORs
174/50.52	1	174/52.3	179
	5	174/52.4	418
174/50.53	1	174/52.1	458
174/50.54	1	174/52.2	294
	1	174/52.3	179
	4	174/52.4	418
174/50.55	2	174/52.3	179
174/50.56	1	174/52.2	294
	6	174/52.3	179
	7	174/52.4	418
174/50.57	1	174/52.3	179
174/50.58	3	174/52.3	179
174/50.6	2	174/52.2	294
174/50.61	1	174/52.1	458
	1	174/52.4	418
174/500	10	174/48	527
	1	174/52.1	458
174/501	3	174/48	527
174/502	10	174/48	527
	1	174/49	64
	1	174/52.1	458
	1	174/52.3	179
174/503	24	174/48	527
	2	174/49	64
	2	174/52.1	458
	1	174/52.3	179
	1	174/65 R	326
174/504	33	174/48	527
	2	174/49	64
174/505	21	174/48	527
	2	174/49	64
	1	174/52.1	458
	1	174/65 R	326
174/506	5	174/48	527
	3	174/49	64
	1	174/52.1	458
	2	174/65 G	106
	8	174/65 R	326
	1	174/65 SS	88
174/507	15	174/48	527
	1	174/49	64
	1	174/52.1	458
174/51	1	174/52.4	418
174/520	3	174/48	527

SOURCE CLASSIFICATION(S) OF PATENTS
IN NEWLY ESTABLISHED SUBCLASSES REPORT
PROJECT: E5658

Generated by: Data Control Division

New Classification	Number Of ORs	Source Classification	Number Of ORs
174/520	1	174/49	64
	31	174/52.1	458
	5	174/52.2	294
	2	174/52.3	179
	5	174/52.4	418
	2	174/52.5	48
174/521	1	174/49	64
	4	174/52.1	458
	39	174/52.2	294
	5	174/52.3	179
	11	174/52.4	418
	6	174/52.5	48
174/522	1	174/52.1	458
	8	174/52.2	294
	6	174/52.3	179
	5	174/52.4	418
174/523	5	174/52.2	294
	3	174/52.4	418
174/524	7	174/52.1	458
	27	174/52.2	294
	2	174/52.3	179
	12	174/52.4	418
	1	174/52.5	48
174/525	5	174/52.1	458
	5	174/52.2	294
	2	174/52.3	179
174/526	6	174/52.2	294
	1	174/52.3	179
	3	174/52.4	418
174/527	6	174/52.1	458
	22	174/52.2	294
	4	174/52.3	179
	19	174/52.4	418
174/528	4	174/52.1	458
	20	174/52.2	294
	5	174/52.3	179
	14	174/52.4	418
	3	174/52.5	48
174/529	1	174/52.1	458
	13	174/52.2	294
	4	174/52.3	179
	23	174/52.4	418
174/53	1	174/48	527
	4	174/52.1	458

SOURCE CLASSIFICATION(S) OF PATENTS
IN NEWLY ESTABLISHED SUBCLASSES REPORT
PROJECT: E5658

Generated by: Data Control Division

New Classification	Number Of ORs	Source Classification	Number Of ORs
174/53	1	174/52.3	179
174/530	1	174/48	527
	3	174/52.2	294
	9	174/52.4	418
174/531	5	174/52.2	294
	4	174/52.4	418
174/532	4	174/52.2	294
	2	174/52.4	418
174/533	2	174/52.1	458
	4	174/52.2	294
	1	174/52.3	179
	9	174/52.4	418
174/534	1	174/52.1	458
	2	174/52.2	294
	6	174/52.4	418
174/535	1	174/35 R	386
	2	174/49	64
	69	174/52.1	458
	10	174/52.2	294
	5	174/52.3	179
	18	174/52.4	418
	2	174/52.5	48
	3	174/65 R	326
174/536	1	174/52.1	458
	9	174/52.2	294
	2	174/52.3	179
	22	174/52.4	418
174/537	2	174/52.2	294
	3	174/52.4	418
174/538	2	174/52.1	458
	5	174/52.2	294
	4	174/52.3	179
	14	174/52.4	418
	2	174/52.5	48
174/539	8	174/52.2	294
	16	174/52.3	179
	18	174/52.4	418
	8	174/52.5	48
	2	174/52.6	4
174/54	1	174/48	527
174/540	1	174/52.1	458
	2	174/52.2	294
	1	174/52.3	179
	9	174/52.4	418

SOURCE CLASSIFICATION(S) OF PATENTS
IN NEWLY ESTABLISHED SUBCLASSES REPORT
PROJECT: E5658

Generated by: Data Control Division

New Classification	Number Of ORs	Source Classification	Number Of ORs
174/540	1	174/65 R	326
174/541	1	174/48	527
	2	174/49	64
	38	174/52.1	458
	12	174/52.2	294
	7	174/52.3	179
	19	174/52.4	418
	3	174/52.5	48
	3	174/65 R	326
174/542	1	174/48	527
	32	174/52.1	458
	2	174/52.3	179
	7	174/52.4	418
174/543	2	174/52.1	458
174/544	1	174/35 GC	315
	14	174/52.1	458
	3	174/52.3	179
	1	174/52.4	418
174/545	13	174/52.1	458
	1	174/52.2	294
174/546	1	174/35 GC	315
	3	174/52.1	458
	6	174/52.2	294
	2	174/52.3	179
	14	174/52.4	418
174/547	1	174/35 TS	73
	1	174/49	64
	6	174/52.1	458
	2	174/52.2	294
	2	174/52.3	179
	1	174/52.4	418
	1	174/52.5	48
174/548	1	174/49	64
	4	174/52.1	458
	5	174/52.2	294
	2	174/52.3	179
	8	174/52.4	418
	1	174/52.5	48
174/549	13	174/52.1	458
	3	174/52.2	294
	9	174/52.3	179
	7	174/52.4	418
	3	174/52.5	48
	1	174/65 R	326

SOURCE CLASSIFICATION(S) OF PATENTS
IN NEWLY ESTABLISHED SUBCLASSES REPORT
PROJECT: E5658

Generated by: Data Control Division

New Classification	Number Of ORs	Source Classification	Number Of ORs
174/550	1	174/52.1	458
	1	174/52.5	48
174/551	1	174/35 C	50
	3	174/52.1	458
	8	174/52.2	294
	10	174/52.3	179
	20	174/52.4	418
	3	174/52.5	48
174/552	1	174/52.1	458
	2	174/52.2	294
	5	174/52.4	418
	1	174/52.5	48
174/553	1	174/52.1	458
	4	174/52.3	179
	7	174/52.4	418
174/554	1	174/52.1	458
	1	174/52.2	294
	3	174/52.3	179
	3	174/52.4	418
174/555	1	174/48	527
	5	174/52.3	179
	4	174/52.4	418
174/556	2	174/52.1	458
	2	174/52.2	294
	2	174/52.3	179
	8	174/52.4	418
	2	174/52.5	48
174/557	1	174/35 GC	315
	2	174/52.1	458
	2	174/52.2	294
	1	174/52.3	179
	13	174/52.4	418
174/558	2	174/52.1	458
	1	174/52.2	294
	6	174/52.4	418
174/559	1	174/35 GC	315
	34	174/52.1	458
	8	174/52.2	294
	5	174/52.3	179
	10	174/52.4	418
	3	174/52.5	48
174/560	15	174/52.1	458
	2	174/52.2	294
	5	174/52.3	179

SOURCE CLASSIFICATION(S) OF PATENTS
IN NEWLY ESTABLISHED SUBCLASSES REPORT
PROJECT: E5658

Generated by: Data Control Division

New Classification	Number Of ORs	Source Classification	Number Of ORs
174/560	3	174/52.4	418
	1	174/52.5	48
174/561	7	174/52.1	458
	1	174/52.2	294
	3	174/52.3	179
	2	174/52.4	418
	1	174/52.5	48
174/562	17	174/52.1	458
	2	174/52.2	294
	3	174/52.3	179
	2	174/52.4	418
174/563	13	174/52.1	458
	1	174/52.2	294
	2	174/52.3	179
174/564	5	174/52.1	458
	6	174/52.2	294
	19	174/52.3	179
	5	174/52.4	418
	2	174/52.5	48
	2	174/52.6	4
174/565	11	174/52.1	458
	8	174/52.2	294
	2	174/52.3	179
	8	174/52.4	418
	1	174/52.5	48
174/57	1	174/48	527
174/58	1	174/48	527
	1	174/52.1	458
174/59	5	174/52.1	458
	1	174/65 R	326
174/60	1	174/52.1	458
174/650	2	174/49	64
	4	174/52.1	458
	1	174/52.5	48
	15	174/65 G	106
	33	174/65 R	326
	3	174/65 SS	88
174/651	1	174/52.1	458
	8	174/65 G	106
	7	174/65 R	326
	1	174/65 SS	88
174/652	1	174/52.1	458
	2	174/52.3	179
	11	174/65 G	106

SOURCE CLASSIFICATION(S) OF PATENTS
IN NEWLY ESTABLISHED SUBCLASSES REPORT
PROJECT: E5658

Generated by: Data Control Division

New Classification	Number Of ORs	Source Classification	Number Of ORs
174/652	28	174/65 R	326
	4	174/65 SS	88
174/653	1	174/35 C	50
	4	174/65 G	106
	11	174/65 R	326
	29	174/65 SS	88
174/654	1	174/65 G	106
	5	174/65 R	326
	6	174/65 SS	88
174/655	2	174/65 G	106
	6	174/65 R	326
	16	174/65 SS	88
174/656	1	174/48	527
	4	174/65 G	106
	7	174/65 R	326
	1	174/65 SS	88
174/657	1	174/48	527
	1	174/65 G	106
	9	174/65 R	326
	4	174/65 SS	88
174/658	1	174/65 R	326
	7	174/65 SS	88
174/659	1	174/48	527
	4	174/52.1	458
	8	174/65 G	106
	26	174/65 R	326
	2	174/65 SS	88
174/66	1	174/48	527
	1	174/65 R	326
174/660	8	174/65 G	106
	27	174/65 R	326
174/661	2	174/65 G	106
	16	174/65 R	326
174/662	2	174/65 G	106
	6	174/65 R	326
174/663	2	174/65 G	106
	19	174/65 R	326
174/664	5	174/65 G	106
	3	174/65 R	326
174/665	3	174/65 G	106
	21	174/65 R	326
174/666	2	174/48	527
	1	174/49	64
	2	174/65 G	106

SOURCE CLASSIFICATION(S) OF PATENTS
IN NEWLY ESTABLISHED SUBCLASSES REPORT
PROJECT: E5658

Generated by: Data Control Division

New Classification	Number Of ORs	Source Classification	Number Of ORs
174/666	23	174/65 R	326
174/667	7	174/65 G	106
	3	174/65 R	326
	8	174/65 SS	88
174/668	1	174/48	527
	7	174/65 G	106
	9	174/65 R	326
	3	174/65 SS	88
174/669	3	174/48	527
	9	174/65 G	106
	26	174/65 R	326
	1	174/65 SS	88
174/68.1	1	174/35 R	386
	1	174/52.4	418
174/68.3	1	174/48	527
174/69	1	174/52.1	458
174/70 R	1	174/48	527
	1	174/52.2	294
	2	174/65 R	326
174/72 C	2	174/48	527
174/78	1	174/65 SS	88
174/84 R	1	174/52.1	458
174/92	2	174/65 R	326
174/97	2	174/48	527
	1	174/65 R	326
206/533	1	174/52.1	458
206/706	1	174/52.1	458
206/709	1	174/35 MS	220
219/245	1	174/65 G	106
257/439	1	174/52.4	418
257/659	1	174/35 R	386
	1	174/52.4	418
257/686	1	174/52.4	418
29/877	1	174/52.4	418
30/401	1	174/52.1	458
336/96	1	174/52.2	294
353/74	1	174/35 R	386
361/622	1	174/52.1	458
361/641	1	174/52.1	458
361/664	1	174/52.1	458
361/690	1	174/52.3	179
361/728	1	174/52.1	458
361/734	1	174/52.4	418
361/759	1	174/52.1	458

SOURCE CLASSIFICATION(S) OF PATENTS
IN NEWLY ESTABLISHED SUBCLASSES REPORT
PROJECT: E5658

Generated by: Data Control Division

New Classification	Number Of ORs	Source Classification	Number Of ORs
361/782	1	174/52.2	294
361/818	1	174/35 R	386
425/121	1	174/52.2	294
427/384	1	174/52.4	418
428/210	1	174/52.4	418
428/213	1	174/52.4	418
439/164	1	174/52.1	458
439/212	1	174/52.1	458
439/277	1	174/65 SS	88
439/278	1	174/52.1	458
439/282	1	174/52.1	458
439/368	1	174/52.1	458
439/446	1	174/52.1	458
439/467	1	174/65 R	326
439/509	1	174/48	527
439/609	1	174/35 R	386
439/652	1	174/52.1	458
439/709	1	174/52.2	294
439/71	1	174/52.4	418
52/126.2	1	174/48	527
52/220.1	1	174/48	527
52/220.2	2	174/48	527
52/220.3	1	174/48	527
52/220.5	1	174/48	527
52/220.7	1	174/48	527
52/282.2	1	174/48	527
52/288.1	1	174/48	527
524/451	1	174/52.4	418

Generated by: Data Control Division

Source Classification	Number Of ORs	New Classification	Number Of ORs
174/35 C	50	174/254	1
		174/351	1
		174/354	1
		174/359	20
		174/360	3
		174/361	3
		174/362	2
		174/363	2
		174/364	1
		174/367	1
		174/368	2
		174/376	1
		174/377	1
		174/378	1
		174/380	1
		174/382	1
		174/383	1
		174/386	1
		174/387	1
		174/393	1
		174/394	1
		174/395	1
		174/551	1
		174/653	1
174/35 CE	13	174/350	1
		174/360	1
		174/386	1
		174/388	1
		174/396	7
		174/397	2
174/35 GC	315	174/260	1
		174/350	3
		174/351	14
		174/353	6
		174/354	29
		174/355	24
		174/356	16
		174/357	10
		174/358	31
		174/359	15
		174/360	2
		174/361	1
		174/362	1
		174/363	4
		174/364	3
		174/365	2

Generated by: Data Control Division

Source Classification	Number Of ORs	New Classification	Number Of ORs
174/35 GC	315	174/366	15
		174/367	14
		174/368	8
		174/369	10
		174/370	11
		174/371	5
		174/372	7
		174/373	5
		174/374	9
		174/375	1
		174/376	1
		174/377	13
		174/378	2
		174/381	2
		174/382	12
		174/383	4
		174/384	10
		174/385	1
		174/386	1
		174/387	4
		174/388	6
		174/389	2
		174/390	3
		174/392	1
		174/393	1
		174/395	1
		174/544	1
		174/546	1
		174/557	1
		174/559	1
174/35 MS	220	174/350	4
		174/351	1
		174/353	4
		174/354	1
		174/355	1
		174/360	2
		174/362	1
		174/363	9
		174/364	3
		174/365	1
		174/366	5
		174/367	8
		174/368	7
		174/369	5
		174/371	11
		174/372	4

Generated by: Data Control Division

Source Classification	Number Of ORs	New Classification	Number Of ORs
174/35 MS	220	174/373	13
		174/374	7
		174/375	4
		174/376	3
		174/377	4
		174/379	3
		174/380	2
		174/381	5
		174/382	6
		174/383	9
		174/384	5
		174/385	2
		174/386	12
		174/388	13
		174/389	13
		174/390	8
		174/391	16
		174/392	4
		174/393	7
		174/394	14
		174/395	1
		174/483	1
		206/709	1
174/35 R	386	174/250	2
		174/255	1
		174/260	1
		174/350	14
		174/351	5
		174/352	1
		174/353	5
		174/354	1
		174/355	2
		174/357	1
		174/358	3
		174/359	23
		174/36	2
		174/360	8
		174/361	2
		174/362	8
		174/363	16
		174/364	1
		174/365	7
		174/366	11
		174/367	2
		174/368	7
		174/369	4

Generated by: Data Control Division

Source Classification	Number Of ORs	New Classification	Number Of ORs
174/35 R	386	174/370	2
		174/371	7
		174/372	29
		174/373	7
		174/374	8
		174/375	5
		174/376	7
		174/377	34
		174/378	7
		174/379	1
		174/380	5
		174/381	8
		174/382	20
		174/383	14
		174/384	19
		174/385	5
		174/386	7
		174/387	15
		174/388	10
		174/389	3
		174/390	6
		174/391	13
		174/392	3
		174/393	2
		174/394	9
		174/395	3
		174/396	1
		174/397	3
		174/535	1
		174/68.1	1
		257/659	1
		353/74	1
		361/818	1
		439/609	1
174/35 SM	43	174/397	43
174/35 TS	73	174/372	4
		174/377	1
		174/384	1
		174/387	1
		174/395	65
		174/547	1
174/48	527	174/135	2
		174/360	2
		174/362	1
		174/372	1
		174/377	1

Generated by: Data Control Division

Source Classification	Number Of ORs	New Classification	Number Of ORs
174/48	527	174/38	1
		174/480	36
		174/481	55
		174/482	36
		174/483	47
		174/484	20
		174/485	6
		174/486	27
		174/487	12
		174/488	6
		174/489	11
		174/490	4
		174/491	17
		174/492	10
		174/493	16
		174/494	7
		174/495	17
		174/496	6
		174/497	19
		174/498	6
		174/499	3
		174/500	10
		174/501	3
		174/502	10
		174/503	24
		174/504	33
		174/505	21
		174/506	5
		174/507	15
		174/520	3
		174/53	1
		174/530	1
		174/54	1
		174/541	1
		174/542	1
		174/555	1
		174/57	1
		174/58	1
		174/656	1
		174/657	1
		174/659	1
		174/66	1
		174/666	2
		174/668	1
		174/669	3
		174/68.3	1

Generated by: Data Control Division

Source Classification	Number Of ORs	New Classification	Number Of ORs
174/48	527	174/70 R	1
		174/72 C	2
		174/97	2
		439/509	1
		52/126.2	1
		52/220.1	1
		52/220.2	2
		52/220.3	1
		52/220.5	1
		52/220.7	1
		52/282.2	1
		52/288.1	1
174/49	64	174/359	1
		174/363	1
		174/377	1
		174/481	13
		174/482	6
		174/483	1
		174/484	1
		174/486	10
		174/491	2
		174/493	3
		174/495	2
		174/50	1
		174/502	1
		174/503	2
		174/504	2
		174/505	2
		174/506	3
		174/507	1
		174/520	1
		174/521	1
		174/535	2
		174/541	2
		174/547	1
		174/548	1
		174/650	2
		174/666	1
174/52.1	458	174/138 F	2
		174/138 G	4
		174/148	1
		174/252	1
		174/350	1
		174/359	2
		174/360	1
		174/367	1

Generated by: Data Control Division

Source Classification	Number Of ORs	New Classification	Number Of ORs
174/52.1	458	174/37	1
		174/372	1
		174/373	3
		174/377	2
		174/387	1
		174/388	1
		174/47	1
		174/481	2
		174/485	1
		174/486	1
		174/491	2
		174/493	1
		174/50	2
		174/50.5	1
		174/50.51	2
		174/50.52	1
		174/50.53	1
		174/50.61	1
		174/500	1
		174/502	1
		174/503	2
		174/505	1
		174/506	1
		174/507	1
		174/520	31
		174/521	4
		174/522	1
		174/524	7
		174/525	5
		174/527	6
		174/528	4
		174/529	1
		174/53	4
		174/533	2
		174/534	1
		174/535	69
		174/536	1
		174/538	2
		174/540	1
		174/541	38
		174/542	32
		174/543	2
		174/544	14
		174/545	13
		174/546	3
		174/547	6

Generated by: Data Control Division

Source Classification	Number Of ORs	New Classification	Number Of ORs
174/52.1	458	174/548	4
		174/549	13
		174/550	1
		174/551	3
		174/552	1
		174/553	1
		174/554	1
		174/556	2
		174/557	2
		174/558	2
		174/559	34
		174/560	15
		174/561	7
		174/562	17
		174/563	13
		174/564	5
		174/565	11
		174/58	1
		174/59	5
		174/60	1
		174/650	4
		174/651	1
		174/652	1
		174/659	4
		174/69	1
		174/84 R	1
		206/533	1
		206/706	1
		30/401	1
		361/622	1
		361/641	1
		361/664	1
		361/728	1
		361/759	1
		439/164	1
		439/212	1
		439/278	1
		439/282	1
		439/368	1
		439/446	1
		439/652	1
174/52.2	294	174/18	1
		174/255	1
		174/260	1
		174/350	1
		174/357	1

Generated by: Data Control Division

Source Classification	Number Of ORs	New Classification	Number Of ORs
174/52.2	294	174/50.52	3
		174/50.54	1
		174/50.56	1
		174/50.6	2
		174/520	5
		174/521	39
		174/522	8
		174/523	5
		174/524	27
		174/525	5
		174/526	6
		174/527	22
		174/528	20
		174/529	13
		174/530	3
		174/531	5
		174/532	4
		174/533	4
		174/534	2
		174/535	10
		174/536	9
		174/537	2
		174/538	5
		174/539	8
		174/540	2
		174/541	12
		174/545	1
		174/546	6
		174/547	2
		174/548	5
		174/549	3
		174/551	8
		174/552	2
		174/554	1
		174/556	2
		174/557	2
		174/558	1
		174/559	8
		174/560	2
		174/561	1
		174/562	2
		174/563	1
		174/564	6
		174/565	8
		174/70 R	1
		336/96	1

Generated by: Data Control Division

Source Classification	Number Of ORs	New Classification	Number Of ORs
174/52.2	294	361/782	1
		425/121	1
		439/709	1
174/52.3	179	174/17.07	1
		174/381	1
		174/388	1
		174/481	1
		174/50	1
		174/50.5	2
		174/50.51	1
		174/50.52	1
		174/50.54	1
		174/50.55	2
		174/50.56	6
		174/50.57	1
		174/50.58	3
		174/502	1
		174/503	1
		174/520	2
		174/521	5
		174/522	6
		174/524	2
		174/525	2
		174/526	1
		174/527	4
		174/528	5
		174/529	4
		174/53	1
		174/533	1
		174/535	5
		174/536	2
		174/538	4
		174/539	16
		174/540	1
		174/541	7
		174/542	2
		174/544	3
		174/546	2
		174/547	2
		174/548	2
		174/549	9
		174/551	10
		174/553	4
		174/554	3
		174/555	5
		174/556	2

Generated by: Data Control Division

Source Classification	Number Of ORs	New Classification	Number Of ORs
174/52.3	179	174/557	1
		174/559	5
		174/560	5
		174/561	3
		174/562	3
		174/563	2
		174/564	19
		174/565	2
		174/652	2
		361/690	1
174/52.4	418	174/1	1
		174/200	1
		174/250	2
		174/257	1
		174/260	1
		174/262	2
		174/359	2
		174/377	1
		174/481	1
		174/50.5	12
		174/50.51	3
		174/50.52	5
		174/50.54	4
		174/50.56	7
		174/50.61	1
		174/51	1
		174/520	5
		174/521	11
		174/522	5
		174/523	3
		174/524	12
		174/526	3
		174/527	19
		174/528	14
		174/529	23
		174/530	9
		174/531	4
		174/532	2
		174/533	9
		174/534	6
		174/535	18
		174/536	22
		174/537	3
		174/538	14
		174/539	18
		174/540	9

Generated by: Data Control Division

Source Classification	Number Of ORs	New Classification	Number Of ORs
174/52.4	418	174/541	19
		174/542	7
		174/544	1
		174/546	14
		174/547	1
		174/548	8
		174/549	7
		174/551	20
		174/552	5
		174/553	7
		174/554	3
		174/555	4
		174/556	8
		174/557	13
		174/558	6
		174/559	10
		174/560	3
		174/561	2
		174/562	2
		174/564	5
		174/565	8
		174/68.1	1
		257/439	1
		257/659	1
		257/686	1
		29/877	1
		361/734	1
		427/384	1
		428/210	1
		428/213	1
		439/71	1
		524/451	1
174/52.5	48	174/520	2
		174/521	6
		174/524	1
		174/528	3
		174/535	2
		174/538	2
		174/539	8
		174/541	3
		174/547	1
		174/548	1
		174/549	3
		174/550	1
		174/551	3
		174/552	1

Generated by: Data Control Division

Source Classification	Number Of ORs	New Classification	Number Of ORs
174/52.5	48	174/556	2
		174/559	3
		174/560	1
		174/561	1
		174/564	2
		174/565	1
		174/650	1
174/52.6	4	174/539	2
		174/564	2
174/65 G	106	174/377	1
		174/480	1
		174/506	2
		174/650	15
		174/651	8
		174/652	11
		174/653	4
		174/654	1
		174/655	2
		174/656	4
		174/657	1
		174/659	8
		174/660	8
		174/661	2
		174/662	2
		174/663	2
		174/664	5
		174/665	3
		174/666	2
		174/667	7
		174/668	7
		174/669	9
		219/245	1
174/65 R	326	174/115	1
		174/138 E	1
		174/359	1
		174/360	3
		174/37	1
		174/372	1
		174/485	1
		174/489	1
		174/491	1
		174/50	2
		174/50.5	1
		174/503	1
		174/505	1
		174/506	8

Generated by: Data Control Division

Source Classification	Number Of ORs	New Classification	Number Of ORs
174/65 R	326	174/535	3
		174/540	1
		174/541	3
		174/549	1
		174/59	1
		174/650	33
		174/651	7
		174/652	28
		174/653	11
		174/654	5
		174/655	6
		174/656	7
		174/657	9
		174/658	1
		174/659	26
		174/66	1
		174/660	27
		174/661	16
		174/662	6
		174/663	19
		174/664	3
		174/665	21
		174/666	23
		174/667	3
		174/668	9
		174/669	26
		174/70 R	2
		174/92	2
		174/97	1
		439/467	1
174/65 SS	88	174/506	1
		174/650	3
		174/651	1
		174/652	4
		174/653	29
		174/654	6
		174/655	16
		174/656	1
		174/657	4
		174/658	7
		174/659	2
		174/667	8
		174/668	3
		174/669	1
		174/78	1
		439/277	1

C. CHANGES TO THE U.S. – I.P.C. CONCORDANCE

U.S. Class	U.S. Subclass	I.P.C. Subclass	I.P.C. Notation
174	350	H05K	9/00
		H01T	13/40
	351	H05K	9/00
	352	H05K	9/00
	353	H05K	9/00
		H01T	13/44
	354	H05K	9/00
	355	H05K	9/00
	356	H05K	9/00
	357	H05K	9/00
	358	H05K	9/00
	359	H01R	13/648
	360	H01R	13/648
	361	H01R	13/648
			13/24
	362	H02G	3/18
	363	H01R	4/00
	364	H01R	4/00
	365	H01R	4/00
	366	H01R	4/48
	367	H01R	4/48
	368	H01R	4/48
	369	H01R	4/48
	370	H01R	4/38
	371	H01R	4/38
	372	H01R	4/56
	373	H01R	4/56
	374	H01R	4/48
	375	H01R	4/00
		H02B	1/44
	376	H01R	4/38
	377	H05K	9/00
		H02B	1/015
		H01T	13/08
	378	H05K	9/00
	379	H05K	9/00
	380	H05K	9/00
	381	H05K	9/00
		H02B	1/044
	382	H05K	9/00
	383	H05K	9/00
		H02B	1/56
	384	H05K	9/00
	385	H05K	9/00

C. CHANGES TO THE U.S. – I.P.C. CONCORDANCE

U.S. Class	U.S. Subclass	I.P.C. Subclass	I.P.C. Notation
174	386	H05K	9/00
	387	H05K	9/00
	388	H05K	9/00
	389	H05K	9/00
	390	H05K	9/00
	391	H05K	9/00
	392	H05K	9/00
	393	H05K	9/00
	394	H05K	9/00
	395	H05K	9/00
	396	H05K	9/00
	397	H05K	9/00
		H01T	13/05
	480	H02B	1/40
	481	H02G	3/08
	482	H02G	3/22
	483	H02G	3/08
	484	H02G	3/08
	485	H02G	3/08
	486	H02G	3/08
	487	H02G	3/08
	488	H02G	3/08
	489	H02G	3/16
	490	H02G	3/08
	491	H02G	3/20
	492	H02B	1/40
	493	H02B	1/26
	494	H02B	1/26
	495	H02B	1/26
	496	H02B	1/26
	497	H02B	1/26
	498	H02B	1/26
	499	H02B	1/26
	500	H02B	1/015
	501	H02B	1/015
	502	H02G	3/12
	503	H02B	1/40
	504	H02G	3/08
	505	H02G	3/22
	506	H02G	3/22
	507	H01L	3/34

C. CHANGES TO THE U.S. – I.P.C. CONCORDANCE

U.S. Class	U.S. Subclass	I.P.C. Subclass	I.P.C. Notation
174	520	H01R	13/46
		H05K	5/00
	521	H01L	23/28
	522	H01L	23/28
	523	H01L	23/28
	524	H01L	23/28
	525	H01L	23/28
	526	H01L	23/34
	527	H01L	23/48
	528	H01L	23/48
	529	H01L	23/495
	530	H01L	23/495
	531	H01L	23/48
	532	H01L	23/48
	533	H01L	23/48
	534	H01L	23/48
	535	H05K	7/14
	536	H01L	23/495
	537	H01L	23/495
	538	H01L	23/49
		H05K	5/06
	539	H01L	23/02
	540	H01L	23/045
		H01L	23/055
	541	H05K	7/02
	542	H05K	7/14
	543	H05K	7/14
	544	H05K	7/14
	545	H05K	7/14
	546	H05K	5/00
	547	H05K	7/20
	548	H05K	7/20
	549	H01L	23/48
	550	H01L	23/485
	551	H01L	23/48
	552	H01L	23/48
	553	H01L	23/48
	554	H01L	23/045
		H01L	23/055
	555	H01L	23/49
	556	H01L	23/49
	557	H01L	23/49

C. CHANGES TO THE U.S. – I.P.C. CONCORDANCE

U.S. Class	U.S. Subclass	I.P.C. Subclass	I.P.C. Notation
174	558	H01L	23/49
	559	H01R	13/502
	560	H01R	13/502
	561	H01R	13/502
	562	H01R	13/502
	563	H01R	13/502
	564	H01L	23/02
		H05K	5/06
	565	H01L	23/06
	650	H02G	3/00
	651	H02G	3/00
	652	H02G	3/00
	653	H02G	15/188
	654	H02G	3/02
	655	H02G	3/02
	656	H02G	3/18
	657	H02G	3/14
	658	H02G	3/14
	659	H02G	15/192
	660	H02G	15/192
	661	H02G	15/192
	662	H02G	15/192
	663	H02G	3/02
	664	H02G	3/02
	665	H02G	3/02
	666	H02G	3/00
	667	H02G	15/20
	668	H02G	3/06
	669	H02G	3/10

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 29 – METAL WORKING

Definitions Modified

Subclass 841: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclass 521 for an electrical device encapsulated (potted).

Subclass 855: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclass 521 for an electrical device encapsulated (potted).

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 52 – STATIC STRUCTURES (E.G., BUILDINGS)

Definitions Modified

Class Definition: Under SECTION III – REFERENCES TO OTHER CLASSES, SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, appropriate subclass for a pole, post or anti-inductive shield, e.g., building having defined a feature specialized to such use, e.g., conductor, insulator or means supporting it or a barrier or enclosure having means forming a conductive path between components, particularly subclasses 350-397 for anti-inductive shields.

Subclass 27: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 158+ and 480-507.

Subclass 220.1: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 50-64, 68.1-136, and 480-507 for a passageway specifying electrical features; e.g., a wire.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 174 – ELECTRICITY: CONDUCTORS AND INSULATORS

Definitions Abolished

Subclasses

35, 48, 49, 52.1-52.6, 65

Definitions Modified

Class Definition: Under SECTION III – SUBCLASS REFERENCES TO THE CURRENT CLASS, SEE OR SEARCH THIS CLASS, SUBCLASS

Delete:

The references to subclass 35 and subclasses 48 and 49

Insert:

350-397, for such envelopes and housings provided with an electric shield which wholly or partially surrounds the envelope and for such envelopes and housings which include means to shield the housing or a part thereof from electromagnetic or electrostatic effects.

480-507, for wall-mounted housings.

Subclass 2: Under SEE OR SEARCH THIS CLASS, SUBCLASS

Delete:

The reference to subclasses 48 and 49

Insert:

480-507, for building structures combined with conductors, not specialized to lightning protection.

Subclass 36: In the subclass definition, after “under subclass”

Delete:

35

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

Insert:

33

Subclass 37: After the (2) Note

Delete:

The (3) Note

Insert:

(3) Note. See this class, subclasses 480-507 for wall-mounted conduits or housings.

Subclass 43: In the (1) Note, after "subclasses 38,"

Delete:

49,

Subclass 50: After the (4) Note

Delete:

The (5) Note

Insert:

(5) Note. See this class, subclasses 480-507 for wall-mounted housings.

Subclass 50.5: Under SEE OR SEARCH THIS CLASS, SUBCLASS

Delete:

The references to subclass 35 and subclass 65

Insert:

350-397, for this subject matter where the structure includes an electrostatic or electromagnetic shielding means and for envelopes with a shield which wholly or partially surrounds the envelope.

535, for other boxes and housings under subclass 520 which are provided with means to couple a cable, wire, or conduit to the box or housing.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

Subclass 50.51: Under SEE OR SEARCH THIS CLASS, SUBCLASS

Delete:

The reference to subclass 35

Insert:

350-397, where the casing, jacket, or covering is an electromagnetic or electrostatic shield.

Subclass 50.54: Under SEE OR SEARCH THIS CLASS, SUBCLASS

Delete:

The reference to subclass 52.1

Insert:

520, for other boxes and housings under subclass 50 with means for mounting an electrical device within the box or housing.

Subclass 50.59: Under SEE OR SEARCH THIS CLASS, SUBCLASS

Delete:

The reference to subclass 35

Insert:

564, for hermetically sealed envelopes within the class definition with electrostatic or electromagnetic shields for the envelope or a part thereof.

Subclass 53: In the subclass definition, after “under subclass”

Delete:

52.1

Insert:

520

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

Subclass 58: After the (1) Note

Delete:

The (2) Note

Insert:

(2) Note. Compare this class, subclasses 480-507.

Subclass 59: In the subclass definition, after “under subclass”

Delete:

52.1

Insert:

520

Subclass 61: In the subclass definition, after “under subclass”

Delete:

52.1

Insert:

520

Subclass 63: After the (1) Note

Delete:

The (2) Note

Insert:

(2) Note. Compare this class, subclasses 480-507.

Subclass 64: After the subclass definition

Delete:

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

The (1) Note

Insert:

(1) Note. See this class, subclasses 650-669 and the notes thereunder.

Subclass 68.1: Under SEE OR SEARCH THIS CLASS, SUBCLASS

Delete:

The reference to subclasses 48 and 49

Insert:

480-507, for wall-mounted installations.

Subclass 68.3: Under SEE OR SEARCH THIS CLASS, SUBCLASS

Delete:

The reference to subclasses 48 and 49

Insert:

480-507, for wall-mounted conduits.

Subclass 70: After the (1) Note

Delete:

The (2) Note

Insert:

(2) Note. The combination of a conduit, cable, or conductor with means to couple the same to a box is in this class, subclasses 64 and 650-669.

Subclass 79: After the subclass definition

Delete:

The (1) Note

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

Insert:

SEE OR SEARCH THIS CLASS, SUBCLASS:

37, 40+, 58, 63, and 480-507, for related supporting means.

Subclass 151: After the (1.3) Note

Delete:

The (1.5) Note

Insert:

(1.5) Note. For the miscellaneous boxes and housings with bushings where structure in addition to the bushing structure is involved, and for the miscellaneous boxes and housings with means to couple a cable, wire, or conduit to the box or housing, see subclasses 650-669 of this class.

After the (3) Note

Insert:

SEE OR SEARCH THIS CLASS, SUBCLASS:

527- 534, 536-540, and 549-558, for leads and external terminals on housing.

539, and 564, for seals on housings.

Definitions Established

350 Shielded:
Subject matter under subclass 32 wherein the structure is an electromagnetic screen.

SEE OR SEARCH CLASS:

336, Inductor Devices, subclasses 84-87 for inductor device with shielding means.

351 Resilient contacts:
Subject matter under subclass 350 wherein the shield or screen is affected by a deformable or flexible member used to preserve or establish electrical continuity, in particular to ground, or used to affect a seal against electromagnetic radiation.

(1) Note. Resilient contacts or seals are structures such as gaskets, clips, or strips.

352 Metal coil core:
Subject matter under subclass 351 wherein the resilient contact or seal includes a mass of metal in a form of coil winding served to concentrate and intensify a magnetic field.

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353 Magnetic:
Subject matter under subclass 351 wherein the resilient contact or seal includes material with a specified magnetic property.

(1) Note. The specified magnetic property must be claimed. Existence of inherent magnetic properties, or recitation of magnetic property by name only, is not sufficient for classification here because all electrically conductive material inherently have magnetic properties.

SEE OR SEARCH THIS CLASS, SUBCLASS:

391, for composition of magnetic material.

354 Attaching clip or finger:
Subject matter under subclass 351 wherein the resilient contact or seal has a gripping portion for mechanical attachment of the resilient contact or seal to a support.

355 Strip or metal comb:
Subject matter under subclass 351 wherein the resilient contact or seal is an elongated piece of material with protrusions, tabs, or fingers for affecting the electrical continuity extending from it.

SEE OR SEARCH THIS CLASS, SUBCLASS:

369, for strip of metal comb in shielded joints.

356 Conductive shell with nonconductive core:
Subject matter under subclass 351 wherein the resilient contact or seal includes an external case made from electrically conductive material over a central part made from electrically nonconductive material.

357 Metal mesh:
Subject matter under subclass 356 wherein the conductive shell is an interlocking arrangement of metal threads.

358 Polymeric gasket:
Subject matter under subclass 351 wherein the resilient contact includes a sealing member made of a material, the compound of which consists essentially of repeating chemical structural units (i.e., polymeric material).

359 Connectors:
Subject matter under subclass 350 wherein the back shell or housing of a connector having a particular configuration provides shielding for the connector.

(1) Note. Connectors or joints whose recited structure is not specifically for shielding are not classified here.

SEE OR SEARCH THIS CLASS, SUBCLASS:

7, for fluid or vacuum connections.

70+, for connectors in combination with other elements.

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74, for permanent connections.

SEE OR SEARCH CLASS:

439, Electrical Connectors, subclass 88 for detachable connectors, per se.

360 Feedthrough:
Subject matter under subclass 350 wherein a bushing or lead-in having a specified anti-inductive feature forms the shield or screen.

(1) Note. Bushings, feedthroughs, and lead-ins whose recited structure is not specifically for shielding are not classified here. Mere use of conductive material or connection to ground is not sufficient for classification here.

SEE OR SEARCH THIS CLASS, SUBCLASS:

7, for fluid or vacuum bushings.

84, for housings with cable entries.

151+, for insulators.

650- 669, for feedthroughs, in general.

361 Soldered:
Subject matter under subclass 360 wherein the feedthrough (e.g., bushing or lead-in) is joined to an electrical ground connection by metal fusion.

(1) Note. Metal fusion is a method of joining the meeting faces of juxtaposed or engaged metal work parts or of the same part originally in a form-sustaining state by the direct application of heat and/or mechanical energy to such work parts.

SEE OR SEARCH THIS CLASS, SUBCLASS:

5+, for grounded devices for shock protection.

51, for grounded housings.

SEE OR SEARCH CLASS:

228, Metal Fusion Bonding, subclass 180.1 for simultaneous bonding of multiple joints.

362 Resilient member:
Subject matter under subclass 360 wherein the anti-inductive feature includes a deformable or flexible member used to preserve or establish electrical continuity, in particular to ground, or used to affect a seal.

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363 Joints:
Subject matter under subclass 350 wherein the shield or screen includes mechanical structure of a connection between conductive parts to preserve or establish electrical continuity or to prevent passage of electromagnetic radiation.

SEE OR SEARCH THIS CLASS, SUBCLASS:

21+, for joints with liquid.

94-84, for joints of conductors.

SEE OR SEARCH CLASS:

403, Joints and Connections, subclass 23 for adjuctive shield.

364 Pneumatic or hydraulic:
Subject matter under subclass 363 wherein the joint includes an inflatable member or has a member which is actuated by compressed air or fluid.

365 Sliding:
Subject matter under subclass 363 wherein the joint includes portions which are laterally movable with respect to each other or the joint is in a sliding structure.

366 Resilient member:
Subject matter under subclass 363 wherein the joint includes a deformable or flexible member used to preserve or establish electrical continuity, in particular to ground, or used to affect a seal.

367 In groove:
Subject matter under subclass 366 wherein the resilient member resides in a channel of the joint.

368 Inserted contact member:
Subject matter under subclass 367 wherein the resilient member contacts a member located in the groove.

SEE OR SEARCH CLASS:

439, Electrical Connectors, subclass 752.5 for grounding member in connectors.

369 Strip or metal comb:
Subject matter under subclass 366 wherein the resilient members are an elongated piece of material with protrusions, tabs, or fingers for affecting the electrical continuity extending from it.

SEE OR SEARCH THIS CLASS, SUBCLASS:

355, for shielding strips or metal combs.

370 Polymeric gasket:
Subject matter under subclass 366 wherein the resilient member is a gasket made of polymeric material.

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371 Flange and fastener:
Subject matter under subclass 366 wherein the resilient member is compressed by a fastener securing the resilient member to an edge of the joint.

372 Interlocking:
Subject matter under subclass 363 wherein the joint includes elements which engage each other to firmly unite the elements and establish electrical continuity or prevent passage of electromagnetic radiation.

(1) Note. Zippers and slide fasteners meeting the subclass definition are classified here.

SEE OR SEARCH THIS CLASS, SUBCLASS:

559, for multipart housings of electrical devices.

561, for interlocking multipart housings.

373 Flange and fastener:
Subject matter under subclass 372 wherein the elements engaging each other include flanges or edges of the joint secured together with fasteners.

374 Between door and wall:
Subject matter under subclass 363 wherein the joint is located between a housing wall or panel and a door or access cover.

375 Hinges:
Subject matter under subclass 374 wherein the joint between the door and wall includes structure of hinges specifically for shielding.

(1) Note. Mere existence of conventional hinges is not sufficient for classification here.

376 Interconnection order:
Subject matter under subclass 350 wherein the shield or screen is made by a specified connection order or connection pattern of conductive elements.

(1) Note. Circuits, per se, not meeting the class definition or having plural diverse components are not classifiable here.

SEE OR SEARCH THIS CLASS, SUBCLASS:

51, and 78, for grounding connections.

250, and 261, for particular conductive connection on substrate.

250- 268, for particular conductive trace patterns on circuit boards.

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SEE OR SEARCH CLASS:

361, Electricity: Electrical Systems and Devices, subclasses 77-79 for particular conductive connection on substrate.

377 Housing or panel:
Subject matter under subclass 350 wherein the shield or screen is a housing or panel which blocks passage of electromagnetic radiation.

SEE OR SEARCH THIS CLASS, SUBCLASS:

520- 565, for housings of electrical devices.

SEE OR SEARCH CLASS:

361, Electricity: Electrical Systems and Devices, subclasses 600-837 for housing with diverse electrical components.

505, Superconductor Technology: Apparatus, Material, Process, subclasses 703 and 883 for housings with superconductor.

378 Flexible:
Subject matter under subclass 377 wherein the housing or panel includes walls which are deformable.

SEE OR SEARCH THIS CLASS, SUBCLASS:

254, for flexible substrates.

SEE OR SEARCH CLASS:

361, Electricity: Electrical Systems and Devices, subclasses 749-751 for flexible substrates.

439, Electrical Connectors, subclasses 278 and 279 for flexible housings of connectors.

379 Convertible:
Subject matter under subclass 377 wherein the housing or panel can be changed from one shape or size to another.

380 Telescoping or folding:
Subject matter under subclass 379 wherein the change in shape or size is caused by bending or resting parts of the housing or panel.

381 Transparent:
Subject matter under subclass 377 wherein the housing or panel includes at least a wall portion which is see through.

(1) Note. The optically transparent member can be a window on the housing.

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SEE OR SEARCH THIS CLASS, SUBCLASS:

389, for transparent material in shields.

382 Access panel or opening:
Subject matter under subclass 377 wherein the housing or panel has an aperture opening to allow access to the interior of the housing or panel.

SEE OR SEARCH THIS CLASS, SUBCLASS:

381, for opening being covered that includes transparent material to create a window.

SEE OR SEARCH CLASS:

257, Active Solid-State Devices (e.g., Transistors, Solid-State Diodes), subclass 434 for semiconductor housing with window.

383 Vents:
Subject matter under subclass 382 wherein the opening includes mechanical structure used for ventilation or cooling.

(1) Note. Mere existence of an opening in the housing or panel is not sufficient for classification here, even though an opening will inherently allow ventilation.

SEE OR SEARCH THIS CLASS, SUBCLASS:

17+, for vents on fluid or vacuum-filled housings.

384 Wall structure:
Subject matter under subclass 377 wherein the housing or panel includes details of the construction of a wall.

SEE OR SEARCH THIS CLASS, SUBCLASS:

363, for particulars of joints between walls.

SEE OR SEARCH CLASS:

428, Stock Materials or Miscellaneous Articles, subclass 320.2 for composite having components contained within a performanced wall.

385 Hole geometry:
Subject matter under subclass 384 wherein the wall includes a particular hole pattern or holes with particular patterns in the wall.

386 Specific layers:
Subject matter under subclass 384 wherein the wall is constructed of more than one lamina or sheet and the material of at least one of the lamina or sheet is identified.

387 Multiple compartments:
Subject matter under subclass 377 wherein the housing or panel includes more than one chamber, each of which shields or screens an electrical device.

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388 Material:
Subject matter under subclass 350 wherein the shield or screen is constructed of material whose composition is identified.

(1) Note. Housings and panels whose structural details are not claimed are also classified here.

SEE OR SEARCH THIS CLASS, SUBCLASS:

257, for composition of conductive materials on substrates of electrical components.

SEE OR SEARCH CLASS:

428, Stock Material or Miscellaneous Articles, subclass 206 for specific internal structure or composition of materials.

389 Transparent:
Subject matter under subclass 388 wherein the material is see through.

SEE OR SEARCH THIS CLASS, SUBCLASS:

381, for housings with transparent material.

390 Particular shape:
Subject matter under subclass 388 wherein the material achieves shielding due to its specific geometry.

(1) Note. Four examples of some particular shapes are a honeycomb grid, a pattern of holes, a corrugated layer, or a conductive rectangle whose lengths are specified.

SEE OR SEARCH CLASS:

333, Wave Transmission Lines and Networks, subclass 248 for shapes of conductors for transmission of electricity.

391 Magnetic:
Subject matter under subclass 388 wherein the material has a portion with an identified magnetic property.

(1) Note. Superconductivity is considered to be a magnetic property. Superconductor materials, per se, however, are not classified here, even though superconductors inherently shield against electromagnetic radiation.

SEE OR SEARCH THIS CLASS, SUBCLASS:

125.1, for superconductor conductors.

353, for magnetic shields.

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SEE OR SEARCH CLASS:

505, Superconductor Technology: Apparatus, Material, Process, subclasses 220-239 for superconductor connecting/supporting structure, subclasses 775-785 for superconductive material, subclass 872 for magnetic field shield, and subclasses 884-887 for superconductor cable structure.

392 Grid:
Subject matter under subclass 388 wherein the material has the pattern of a lattice.

393 Conductive woven layer:
Subject matter under subclass 392 wherein the grid pattern is created by an interlaced layer which is electrically conductive.

394 Plural conductive layers:
Subject matter under subclass 388 wherein the material includes more than one electrically conductive lamina or sheet.

395 Radio tube shields:
Subject matter under subclass 350 wherein the shield or screen is a radio tube shield.

396 Coils, antieddy current:
Subject matter under subclass 350 wherein the shield or screen is an electrical loop to prevent eddy currents.

397 Spark plugs, manifolds:
Subject matter under subclass 350 wherein the shield or screen is part of a spark plug or a vehicle manifold.

SEE OR SEARCH THIS CLASS, SUBCLASS:

77, for end structures of spark plugs.

480 WALL MOUNTED:
Subject matter under the class definition including housing, conduit, clip, or bracket for supporting or securing electrical wires, electrical conduits, or electrical housings to a wall.

(1) Note. The wall may be a wall of a building structure, a wall of an electrical housing, or a wall of an electrical enclosure.

SEE OR SEARCH THIS CLASS, SUBCLASS:

37-39, for underground housings.

40-44, for overhead housings.

68.2, 68.3, and 70-101, for conduit, cable, and conductor end structures and joints.

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SEE OR SEARCH CLASS:

52, Static Structures (e.g., Buildings), subclasses 220.1-220.8 for building constructions with service duct not limited to electrical features.

109, Safes, Bank Protection, or a Related Device, subclass 79 for device comprising joints or connection between plurality of walls or plurality of parts of wall.

200, Electricity: Circuit Makers and Breakers, subclass 61.81 for a device to be mounted on closure frame or closure wall.

206, Special Receptacle or Package, subclass 327 for spark plug.

211, Supports: Racks, subclass 18 for a device to be mounted on or secured to a wall surface.

220, Receptacles, subclasses 2.1+ for envelopes or housings for electric lamps or similar devices where no electrical structure is claimed; and subclasses 3.2-3.94 for receptacles having provision for extending strands, rods, pipes, etc. through the receptacle wall or for coupling them to the receptacle wall.

248, Supports, subclasses 37.6, 48.2, 65, 103, 115, 121, 122.1, 200, 475.1, 534, and 674 for details of mounting portion or bracket; and subclasses 317 and 342-344 for supports with electrical feature.

312, Supports: Cabinet Structure, subclass 406 for a particular construction of the cabinet walls.

362, Illumination, subclasses 362-375 for housings of illumination devices.

481 Conduit and housing:
Subject matter under subclass 480 wherein a tube channel or receptacle is installed on, in, or through walls of building structures.

482 Floor:
Subject matter under subclass 481 wherein the conduit or housing is installed on, under, or within a floor-like surface.

SEE OR SEARCH THIS CLASS, SUBCLASS:

37-39, for underground housings.

483 Poke through:
Subject matter under subclass 482 wherein the housing penetrates the floor and extends above the floor.

484 Terminal above floor:
Subject matter under subclass 483 wherein the above-floor portion of the housing includes an electrical terminal.

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485 Bell cover:
Subject matter under subclass 483 wherein the above-floor portion of the housing is a bell-shaped cover.

486 Under floor and flush mounted:
Subject matter under subclass 482 wherein the housing is under the floor, extends through the floor, and terminates on or near the surface of the floor and/or terminates flush with the surface of the floor.

487 Terminal on floor:
Subject matter under subclass 486 wherein a portion of the housing on or near the floor surface has an electrical terminal.

488 Cover:
Subject matter under subclass 487 wherein the side of the housing on or near the floor has a cover.

489 Terminal inside housing:
Subject matter under subclass 486 wherein electrical terminals are inside the housing and located below the floor surface.

490 Floor fixture:
Subject matter under subclass 482 wherein the housing is a mount or bracket secured to the floor for supporting another conduit or housing.

491 Ceiling:
Subject matter under subclass 481 wherein the conduit or housing is mounted on, above, or within a ceiling-like surface.

SEE OR SEARCH THIS CLASS, SUBCLASS:

61-64, for fixture couplings on housings.

492 Corner mounted:
Subject matter under subclass 481 wherein the conduit or housing is mounted to a junction of two walls of the building structure.

493 Power pole:
Subject matter under subclass 481 wherein the conduit or housing is a freestanding pole having at least one electrical terminal.

SEE OR SEARCH THIS CLASS, SUBCLASS:

70+, for conduits.

SEE OR SEARCH CLASS:

439, Electrical Connectors, subclass 215 for connection included in prefabricated building panel (e.g., floor, ceiling, wall).

494 Power strip:
Subject matter under subclass 481 wherein the conduit or housing is a strip having at least one electrical terminal.

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495 Partition:
Subject matter under subclass 481 wherein the conduit or housing is attached to a dividing wall.

SEE OR SEARCH CLASS:

312, Supports: Cabinet Structure, subclasses 3-6 for partitions.

496 Adjustable:
Subject matter under subclass 495 wherein the partition wall has a changeable height or feature for leveling the partition wall.

497 Lower portion:
Subject matter under subclass 495 wherein the housing or conduit is attached to a bottom horizontal edge of the partition wall.

498 Upper portion:
Subject matter under subclass 495 wherein the housing or conduit is attached to a top horizontal edge of the partition wall.

499 Vertical portion:
Subject matter under subclass 495 wherein the housing or conduit is attached to an upright edge of the partition wall.

SEE OR SEARCH THIS CLASS, SUBCLASS:

101, for vertical removable conduits.

500 Cabinet and furniture:
Subject matter under subclass 481 wherein the housing or conduit is mounted on or within a compartment or furniture article with recitation of the cabinet or furniture article by name only.

SEE OR SEARCH CLASS:

312, Supports: Cabinet Structure, subclasses 223.2, 223.3, and 223.6 for computer-related equipment.

501 Hospital console:
Subject matter under subclass 500 wherein the cabinet or furniture article is a medical cabinet.

502 Flush mounted:
Subject matter under subclass 481 wherein the conduit or housing is installed flush with the wall surface.

503 Bracket mounted:
Subject matter under subclass 481 wherein the conduit or housing is attached to the building structure with a bracket.

SEE OR SEARCH CLASS:

248, Supports, subclass 122.1 for an adjustable bracket and subclass 220.21 for an interlocked bracket.

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504 Casing and molding:
Subject matter under subclass 481 wherein the housing or conduit is installed on the surface of the wall creating an enclosure for electrical wires.

SEE OR SEARCH THIS CLASS, SUBCLASS:

70, 72, and 95-101, for conduit-type casings.

505 Interior wall conduit:
Subject matter under subclass 481 wherein the conduit or housing is installed within and extends within the wall.

SEE OR SEARCH THIS CLASS, SUBCLASS:

68.3, for single-duct conduits.

506 Branched:
Subject matter under subclass 505 wherein the conduit or housing within the wall is divided into plural extensions.

SEE OR SEARCH THIS CLASS, SUBCLASS:

71- 72, and 95-99, for branched conduits.

507 Nail protector:
Subject matter under subclass 481 wherein the housing or conduit is an enclosure mounted within the wall to protect electrical wires.

520 With electrical device:
Subject matter under subclass 50 wherein the box or housing includes an electrical device or structure for attaching an electrical component within the box or housing.

SEE OR SEARCH CLASS:

257, Active Solid-State Devices (e.g., Transistors, Solid-State Diodes), subclasses 433, 434, and 666-677 for housing of semiconductor devices.

336, Inductor Devices, subclasses 90-98 for housing with inductive devices.

361, Electricity: Electrical Systems and Devices, subclasses 600-837 for housing with plural, diverse electrical components.

521 Encapsulated (potted, molded, plastic filled):
Subject matter under subclass 520 wherein a portion of the box or housing including the electrical component or the structure for attaching an electrical device is filled with sealing or encapsulating compound.

SEE OR SEARCH THIS CLASS, SUBCLASS:

8+, for housings with fluid.

76, and 77, for plastic-filled and sealed housings of conductor joints.

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SEE OR SEARCH CLASS:

257, Active Solid-State Devices (e.g., Transistors, Solid-State Diodes), subclasses 433, 434, and 787-796 for encapsulated semiconductor housing.

264, Plastic and Nonmetallic Article Shaping or Treating: Processes, subclasses 34 and 496 for polymeric and plastic housings or molding or potting.

522 Vent, inlet or exit:
Subject matter under subclass 521 wherein the box or housing includes a pipe or opening for passage of gas or an opening for ingress and egress of the encapsulating compound.

SEE OR SEARCH THIS CLASS, SUBCLASS:

17+, and 17.07, for vents on fluid or vacuum-filled housings.

523 Dam:
Subject matter under subclass 521 wherein the box or housing includes a structure which blocks or dams the flow of the encapsulating compound.

524 Plural layers:
Subject matter under subclass 521 wherein the sealing or encapsulating compound includes different laminas or sheets.

SEE OR SEARCH CLASS:

428, Stock Material or Miscellaneous Articles, subclass 101 for superposed movable attached layers or components and subclass 818 for multiple magnetic layers.

525 Flexible:
Subject matter under subclass 521 wherein the box or housing is deformable.

SEE OR SEARCH THIS CLASS, SUBCLASS:

254, for flexible substrates.

SEE OR SEARCH CLASS:

361, Electricity: Electrical Systems and Devices, subclasses 749-751 for flexible substrates.

439, Electrical Connectors, subclasses 278 and 279 for flexible housings of connectors.

526 Cooled:
Subject matter under subclass 521 wherein the box or housing includes structure for dissipating heat from the electrical device.

SEE OR SEARCH THIS CLASS, SUBCLASS:

15.1- 16.3, for cooling with fluid feeding in fluid or vacuum housings.

252, for heat sinks on circuit boards.

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547, for cooling of housings for electrical devices.

SEE OR SEARCH CLASS:

257, Active Solid-State Devices (e.g., Transistors, Solid-State Diodes), subclass 496 for encapsulated semiconductor housing with heat sink.

527 External terminals:
Subject matter under subclass 521 wherein the box or housing includes external electrical connection points.

SEE OR SEARCH THIS CLASS, SUBCLASS:

50.52, 50.55, 50.56, 50.59, 50.6, 50.64, and 549-558, for housing of electrical components with external terminals.

SEE OR SEARCH CLASS:

257, Active Solid-State Devices (e.g., Transistors, Solid-State Diodes), subclasses 665 and 692-698 for particular lead geometry and subclasses 734-786 for multiple electrical contacts or leads.

361, Electricity: Electrical Systems and Devices, subclasses 767-776 for leads of housings of electrical components.

528 Leads:
Subject matter under subclass 527 wherein the external terminals are elongated (e.g., pins or wires).

529 On lead frame:
Subject matter under subclass 528 wherein the leads are located on a lead frame.

SEE OR SEARCH CLASS:

257, Active Solid-State Devices (e.g., Transistors, Solid-State Diodes), subclasses 666-677 for housings of electronic components having lead frames.

361, Electricity: Electrical Systems and Devices, subclass 813 for housings of electronic components having lead frames.

530 Multiple tiers:
Subject matter under subclass 529 wherein the leads are located on multiple levels of the lead frame.

531 Varying dimension:
Subject matter under subclass 528 wherein the lead has at least one dimension (e.g., thickness, length, width) which varies and is not uniform in size along the lead.

SEE OR SEARCH CLASS:

257, Active Solid-State Devices (e.g., Transistors, Solid-State Diodes), subclass 775 for housings of electronic components having features varying in dimension.

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532 Bent:
Subject matter under subclass 528 wherein the lead is not straight and includes a deformed portion.

533 Outside of housing:
Subject matter under subclass 532 wherein the bend is located external to the housing.

534 Lands:
Subject matter under subclass 527 wherein the external terminals are pads.

535 Details of mount:
Subject matter under subclass 520 wherein the box or housing includes a mounting portion with a specific structure for attaching an electrical device to the box or housing.

SEE OR SEARCH THIS CLASS, SUBCLASS:

50.54, for mounting means for component within sealed housing.

260, for mounting of components on circuit boards.

SEE OR SEARCH CLASS:

361, Electricity: Electrical Systems and Devices, subclasses 600-837 for housing with plural, diverse electrical components.

536 Lead frame:
Subject matter under subclass 535 wherein the specific structure is a lead frame.

SEE OR SEARCH CLASS:

257, Active Solid-State Devices (e.g., Transistors, Solid-State Diodes), subclasses 666-677 for housings of electronic components having lead frames.

361, Electricity: Electrical Systems and Devices, subclass 813 for housings of electronic components having lead frames.

537 Multiple frames:
Subject matter under subclass 536 wherein the lead frame includes plural lead frames.

538 Wire bonded:
Subject matter under subclass 536 wherein the lead frame has wires attached to it by the specific bonding method used for welding wires to electronic components.

SEE OR SEARCH CLASS:

29, Metal Working, subclass 877 for bonding two or more cooperating elements.

156, Adhesive Bonding and Miscellaneous Chemical Manufacture, subclasses 60-338 for surface bonding or assembly of plural preforms.

228, Metal Fusion Bonding, subclass 179.1 for a process of simultaneously bonding multiple joints of electrical device.

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438, Semiconductor Device Manufacturing: Process, subclass 617 for utilizing metallic wire bonding.

539 Seal:
Subject matter under subclass 536 wherein the lead frame includes a closure member to hermetically close the housing around the lead frame.

SEE OR SEARCH THIS CLASS, SUBCLASS:

50.57, 50.58, and 50.61-50.63, for hermetic seals.

SEE OR SEARCH CLASS:

277, Seal for a Joint or Juncture, subclasses 308, 328, and 510 for joint packing.

540 Surrounding lead:
Subject matter under subclass 539 wherein the closure member encircles the leads of the lead frame.

541 Connection:
Subject matter under subclass 535 wherein the box or housing has a specific electrical joint to the electrical device.

542 Movable, rotatable, or slidable:
Subject matter under subclass 535 wherein the specific structure for attaching the electrical device to the box or housing is nonstationary.

543 On door:
Subject matter under subclass 542 wherein the movable, rotatable, or slidable structure provides a passage for wires or electrical connections between a door and a wall of the box or housing.

544 Shock absorption:
Subject matter under subclass 535 wherein the specific structure has structure which protects the device from vibration by dampening or deflecting the vibration.

545 Clip:
Subject matter under subclass 535 wherein the mounting potion is a resilient or deformable member for attaching the electrical device to the box or housing.

546 Coated:
Subject matter under subclass 520 wherein a portion of a surface of box or housing has a specific covering layer.

(1) Note. Encapsulating or sealing material in or on the housing to form an encapsulated housing or a covering of adhesive material for mounting an element thereto is not considered coating under this subclass.

SEE OR SEARCH CLASS:

427, Coating Processes, subclass 256 for coating a selected portion of a base.

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547 Cooled:
Subject matter under subclass 520 wherein the box or housing has structure for dissipating heat from the electrical device.

SEE OR SEARCH THIS CLASS, SUBCLASS:

15.1- 16.3, for cooling with fluid feeding in fluid or vacuum housings.

252, for heat sinks on circuit boards.

526, for cooling of encapsulated housings.

SEE OR SEARCH CLASS:

165, Heat Exchange, appropriate subclasses for cooling means, per se.

257, Active Solid-State Devices (e.g., Transistors, Solid-State Diodes), subclasses 712-722 for solid-state device having solid-state device structure details combined with cooling means.

361, Electricity: Electrical Systems and Devices, subclass 676 for cooling means in a power distribution system and devices, subclass 687 for computer support equipment with cooling means, subclasses 688-723 for cooling means with electronic apparatus, subclass 702 for electronic system with liquid cooling means and heat sinks, and subclass 709 for thermal conduction through support means having heat sinks.

548 Heat sink:
Subject matter under subclass 547 wherein the heat dissipating includes a block of material.

SEE OR SEARCH CLASS:

257, Active Solid-State Devices (e.g., Transistors, Solid-State Diodes), subclass 496 for encapsulated semiconductor housing with heat sink.

549 External terminals:
Subject matter under subclass 520 wherein the box or housing includes external electrical connection points for input of information to the device.

SEE OR SEARCH THIS CLASS, SUBCLASS:

50.52, 50.55, 50.56, 50.59, 50.6, 50.64, and 527-534, for external terminals.

SEE OR SEARCH CLASS:

257, Active Solid-State Devices (e.g., Transistors, Solid-State Diodes), subclasses 665, 692-698, and 734-786 for external terminals.

361, Electricity: Electrical Systems and Devices, subclasses 767-776 for leads of housings of electrical components.

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550 Keys:
Subject matter under subclass 549 wherein the external terminals are control buttons for input of information or signal to the electrical device.

(1) Note. Keys, knobs, handles, or other controls for adjusting or setting attributes of the electrical device are classified here.

551 Leads:
Subject matter under subclass 549 wherein the external terminals are elongated (e.g., leads, pins, and wires).

552 Varying dimension:
Subject matter under subclass 551 wherein the elongated terminal has at least one dimension (e.g., thickness, length, width) which is not uniform in size along the lead.

SEE OR SEARCH CLASS:

257, Active Solid-State Devices (e.g., Transistors, Solid-State Diodes), subclass 775 for housings of electronic components having features varying in dimension.

553 Lap joined:
Subject matter under subclass 551 wherein the elongated terminals are electrically connected to the electrical device with the particular joint.

554 Sealing ring:
Subject matter under subclass 551 wherein the elongated terminals are encircled by a closure member which closes the housing.

SEE OR SEARCH THIS CLASS, SUBCLASS:

50.57, 50.58, and 50.61-50.63, for hermetic seals.

SEE OR SEARCH CLASS:

277, Seal for a Joint or Juncture, subclasses 308, 328, and 510 for joint packing.

555 Bent:
Subject matter under subclass 551 wherein the elongated terminal is not straight and includes a deformation.

556 Outside of housing:
Subject matter under subclass 555 wherein the bend is located external to the housing.

557 Lands:
Subject matter under subclass 549 wherein the external terminals are flat bonding areas or pads.

558 Bumps:
Subject matter under subclass 549 wherein the external terminals provide connections to terminal areas of the device.

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559 Multipart housing:
Subject matter under subclass 520 wherein the box or housing is constructed of plurality components assembled together.

560 Joining parts:
Subject matter under subclass 559 wherein structure of the plurality components assembled together includes multiple parts of the box or housing which are specified in detail.

SEE OR SEARCH THIS CLASS, SUBCLASS:

363- 375, for structures of various joints for shielded devices.

561 Interlocking:
Subject matter under subclass 560 wherein the specified structure includes elements which engage each other to firmly unite the elements.

SEE OR SEARCH THIS CLASS, SUBCLASS:

372, for interlocking shielded joints.

562 Fastener:
Subject matter under subclass 561 wherein the interlocking part includes attached hardware.

SEE OR SEARCH THIS CLASS, SUBCLASS:

657, for housing parts joined with fasteners.

563 Recess with mating projection:
Subject matter under subclass 561 wherein the interlocking elements include an indentation or opening and a protrusion or tab which mate with each other.

564 Seal:
Subject matter under subclass 560 wherein the structure includes a closure member to hermetically close the housing.

SEE OR SEARCH THIS CLASS, SUBCLASS:

50.5- 50.64, for hermetic seals.

77+, for sealing for conduit cable or conductor ends.

SEE OR SEARCH CLASS:

277, Seal for a Joint or Juncture, subclasses 308, 328, and 510 for joint packing.

565 Specific material:
Subject matter under subclass 520 wherein the box or housing is made of a particular chemical compound or is specified as having a specific physical property.

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(1) Note. Elements which are generally specified as conducting or insulating are not sufficiently specific to be classified here. A particular conducting material or insulating material is, however, sufficiently specific for classification here.

SEE OR SEARCH THIS CLASS, SUBCLASS:

137, for composition of specific insulating material.

SEE OR SEARCH CLASS:

428, Stock Material or Miscellaneous Articles, subclasses 98-220, 357-407, 544-570, 592-604, 606-614, and 687 for specific internal structure or composition of materials.

650 FEEDTHROUGH OR BUSHING:
Subject matter under the class definition including structure of a passageway through an opening in a wall of a housing for passage of a cable or conduit.

SEE OR SEARCH THIS CLASS, SUBCLASS:

11, 12, and 14, for bushings with fluid or vacuum.

17.07, 17.08, 18, 31, and 167, for housings with fluid or vacuum.

50.53, 50.55, 50.59, 50.6, and 50.64, for feeds through a hermetically sealed housing.

61-64, for housings with fixture couplings.

77, for cable passage through housing.

135, for housing with specific feature to provide stain relief for the conductor.

151- 152, for insulating feeds through wall or plate.

SEE OR SEARCH CLASS:

439, Electrical Connectors, subclasses 449-473 for feedthrough to the housing with specific feature to provide stain relief for the conductor.

651 Movable:
Subject matter under subclass 650 wherein the structure of the passageway moves or pivots, thereby locating the cable or conduit at a pluralist of positions.

SEE OR SEARCH CLASS:

439, Electrical Connectors, subclasses 1-33 for electrical connector housings with movable parts.

652 Compression:
Subject matter under subclass 650 including a retention element that condenses to exert pressure on the cable or conduit for securement thereof in the passageway.

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(1) Note. The compressed retention element must be more than just that provided by a tight fit between the cable and conduit and the passageway.

653 Threaded casing with deformable member:
Subject matter under subclass 652 wherein the compressed retention element is a deformable mass of material within a threaded housing, wherein tightening of the threads compresses the material onto the cable or conduit.

SEE OR SEARCH CLASS:

439, Electrical Connectors, subclass 271 for O-ring seals and subclasses 278 and 279 for connector housings with resilient seals.

654 Grips both sides of jacket or shield:
Subject matter under subclass 653 wherein both sides of the jacket or shield of the cable or conduit are engaged.

655 Threaded casing with resilient fingers:
Subject matter under subclass 652 wherein the compression retention element consists of resilient fingers within a threaded housing, such that tightening of the threads compresses the fingers onto the cable or conduit.

656 Multipiece casing:
Subject matter under subclass 652 wherein the compression retention element is within a housing having more than one section.

SEE OR SEARCH THIS CLASS, SUBCLASS:

91, and 92, for housings of joined conductors.

559, for multi-part housings for electrical devices.

657 With fastener:
Subject matter under subclass 656 wherein the sections of the casing are retained together with attaching hardware.

SEE OR SEARCH THIS CLASS, SUBCLASS:

562, for fasteners connecting parts of housings of electrical devices.

658 Parallel to cable length:
Subject matter under subclass 657 wherein at least some of the fasteners are tightened to move in a direction tangent to the length of the cable.

SEE OR SEARCH THIS CLASS, SUBCLASS:

562, for fasteners connecting parts of housings of electrical devices.

659 With opening retaining member:
Subject matter under subclass 650 wherein the structure of passageway includes means to hold the cable or conduit within the entry of the passage of the cable or conduit.

(1) Note. The retaining member must be more than just a tight fit between the passageway and the cable or conduit.

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660 Projections or fingers:
Subject matter under subclass 659 wherein the opening retaining member is a protrusion which engages the cable or conduit.

661 Cantilevered plate:
Subject matter under subclass 659 wherein the opening retaining member is a plate or strip, attached at one side, whose free end engages the cable or conduit.

662 Serpentine cable path:
Subject matter under subclass 659 wherein the opening retaining member retains the cable or conduit in a winding path.

SEE OR SEARCH THIS CLASS, SUBCLASS:

166, for insulators with serpentine cable paths.

663 Plate and fastener:
Subject matter under subclass 659 wherein the opening retaining member has a flat surface combined with at least one attaching hardware, wherein the flat surface retains or comes into engagement with the cable or conduit upon tightening of at least one attaching hardware.

(1) Note. A plate is not limited to a flat member. A member with substantial surface contour is considered a plate when it is generally planar as defined by a substantial surface area to thickness area ratio.

664 Split collar:
Subject matter under subclass 659 wherein the opening retaining member is in the shape of a band having more than one section.

665 Collar with engagement member:
Subject matter under subclass 650 including a band, which clamps the cable or conduit by tightening of a fastener such as a screw, and combined with a member for attachment to the wall of the housing for passage of a cable or conduit.

(1) Note. The engagement member is generally a threaded bolt and nut.

666 Knockouts:
Subject matter under subclass 650 including opening closures which are designed to be punched out or removed to allow passage of the cable or conduit through the passageway.

SEE OR SEARCH THIS CLASS, SUBCLASS:

151- 153, for insulators through wall or plate which may include knockouts.

667 Plastic filled:
Subject matter under subclass 650 wherein the structure of the passageway is filled with solid material.

(1) Note. The material is generally plastic, but not limited thereto.

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SEE OR SEARCH THIS CLASS, SUBCLASS:

76, for conductor housing with plastic filling.

668 Wall engagement member:
Subject matter under subclass 650 wherein the structure of passageway includes a member for attaching the passageway to the wall of the housing for passage of the cable or conduit.

SEE OR SEARCH THIS CLASS, SUBCLASS:

58, for mounting of receptacle and wall switch housings.

151- 153, for insulating wall-mounted feedthroughs.

480- 507, for wall-mounted conduits.

669 Opposed wall engagement member:
Subject matter under subclass 668 wherein the engagement member attaches both sides of the wall of the housing having the opening for passage of the cable or conduit.

SEE OR SEARCH THIS CLASS, SUBCLASS:

153, for insulating wall-mounted feedthroughs.

FOREIGN ART COLLECTIONS

The definitions below correspond to abolished subclasses from which these collections were formed. See the Foreign Art Collection schedule of this class for specific correspondences. [Note: The titles and definitions for ***indented*** art collections include all the details of the one(s) that are hierarchically superior.]

FOR 100 Shielded or screened:
Foreign art collection for means in which an electrical shield is used. Shields or screens, per se, not classifiable in other main classes, are classified here.

(1) Note. Box and housing structures having added means for insuring good electrical contact between the body and closure, body and conduit, or cable sheath is in this and indented subclasses.

FOR 101 Connectors and joints:
This foreign art collection was derived from an undefined alpha subclass. Consult the documents contained herein to clarify or interpret the title and scope of this foreign art collection.

FOR 102 Spark plugs, manifolds:
This foreign art collection was derived from an undefined alpha subclass. Consult the documents contained herein to clarify or interpret the title and scope of this foreign art collection.

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FOR 103 Gaskets, covers:

This foreign art collection was derived from an undefined alpha subclass. Consult the documents contained herein to clarify or interpret the title and scope of this foreign art collection.

FOR 104 Coils, anti-eddy-current:

This foreign art collection was derived from an undefined alpha subclass. Consult the documents contained herein to clarify or interpret the title and scope of this foreign art collection.

FOR 105 Materials, stock and screen rooms:

This foreign art collection was derived from an undefined alpha subclass. Consult the documents contained herein to clarify or interpret the title and scope of this foreign art collection.

FOR 106 Radio tube shields:

This foreign art collection was derived from an undefined alpha subclass. Consult the documents contained herein to clarify or interpret the title and scope of this foreign art collection.

FOR 107 WALL MOUNTED CONDUITS AND/OR HOUSINGS:

Foreign art collection for conduits and/or housings mounted on, in or through the walls of building structures.

FOR 108 Plural outlet and/or conduit:

Foreign art collection for structures having two or more spaced outlets and/or having two or more conduits.

FOR 109 With electric device or mounting means therefor:

Foreign art collection for structures having an electric device therein, or thereon, or having means to mount such a device.

FOR 110 Potted or encapsulated:

Foreign art collection for subject matter wherein the space between the box or housing and the electrical device contained therein is occupied by a solid or semi-solid mass of insulating material; or wherein the electrical device is directly encapsulated in a mass of insulating material with such mass itself forming the housing.

FOR 111 Sealed:

Foreign art collection for subject matter wherein the box or housing is hermetically sealed.

FOR 112 Flat housing for electronic device (e.g., flat pack, dual-in-line package):

Foreign art collection for subject matter wherein the box or housing has a generally flat shape and houses or is particularly adapted to house an electronic device, such as an integrated circuit or a transistor.

(1) Note. Included in this subclass are electronic packages known in the trade as “Flat-Packs” and “Dual-In-Line” packages.

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FOR 113 Header, mounting stud, or can-type housing for semiconductor or crystal:
Foreign art collection for structures in the form of a can (e.g., TO-5 type) or which include an insulating support (header or mounting stud) for the leads entering the housing.

FOR 114 Pellet type housing:
Foreign art collection for subject matter wherein the box or housing is disc-shaped with the flat surfaces forming electrical contacts for the electrical device therein.

FOR 115 With conduit or cable opening, coupling means or hole closures:
Foreign art collection for structures having means to couple a cable, wire or conduit to the box or housing. Such means may be the conduit or cable openings in the box, with or without a closure therefor. The subcombination of conduit or cable with connector is here.

(1) Note. This subclass includes casings and jackets that are of general utility and are otherwise within the subclass definition such as may be used for electric lamps, space discharge devices, and similar devices.

FOR 116 Sealed stuffing-gland type:
This foreign art collection was derived from an undefined alpha subclass. Consult the documents contained herein to clarify or interpret the title and scope of this foreign art collection.

FOR 117 Grommet type:
This foreign art collection was derived from an undefined alpha subclass. Consult the documents contained herein to clarify or interpret the title and scope of this foreign art collection.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 219 – ELECTRIC HEATING

Definitions Modified

Subclass 678: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 350-397 for shielded or screened anti-inductive structures.

Subclass 699: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 350-397 for shielded or screened anti-inductive structures.

Subclass 736: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 350-397 for shielded or screened anti-inductive structures.

Subclass 738: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

Insert:

174, Electricity: Conductors and Insulators, subclasses 350-397 for shielded materials, stock, and screen rooms.

Subclass 744: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 350-397 for shielded or screened anti-inductive structures.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 220 – RECEPTACLES

Definitions Modified

Subclass 3.3: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 480-507 for wall-mounted conduits and housings.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 248 – SUPPORTS

Definitions Modified

Subclass 49: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, appropriate subclasses, particularly subclasses 40+ and 480-507 for electric cable and conductor supports limited by claimed structure, such as insulation, etc., to electrical use; and subclasses 137+, particularly subclass 158 for electrical insulator supports.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 257 – ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)

Definitions Modified

Class Definition: Under SECTION IV – REFERENCES TO OTHER CLASSES, SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 15.1-16.3 for fluid cooling of electrical conductors or insulator; subclasses 250-268 for printed circuit devices; and subclasses 520-64 for housings with electric devices or mounting means. (Class employing active solid-state devices in electronic circuits. See Lines With Other Classes and Within This Class, A, above).

Subclass 100: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclass 521 for potted or encapsulated electrical devices.

Subclass 659: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 32-397 for miscellaneous anti-inductive structures, particularly subclasses 350-397 for miscellaneous electrical shields and screen structures not elsewhere classifiable.

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Subclass 662: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 32-397 for miscellaneous anti-inductive structures, particularly subclasses 350-397 for miscellaneous electrical shields and screen structures not elsewhere classifiable.

Subclass 666: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclass 529 for flat pack electronic device mounting means.

Subclass 668: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 260 and 520 for printed circuit boards in combination with one or more electronic solid-state devices.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 264 – PLASTIC AND NONMETALLIC ARTICLE SHAPING OR TREATING: PROCESSES

Definitions Modified

Subclass 272.11: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclass 521 for embedded electrical components.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 277 – SEAL FOR A JOINT OR JUNCTURE

Definitions Modified

Class Definition: Under SECTION III – REFERENCES TO OTHER CLASSES, SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, appropriate subclasses for an insulator and specialized apparatus to mount, support, encase, box, or house an electrical component; subclass 23 for means using or adapted to use a fluid or vacuum including a seal; subclasses 152+ for a grommet to insulate a conductor as it extends through a wall or plate; subclass 358 for an electromagnetic shield or anti-inductive device that may be a gasket; or subclass 539 for a box or housing structurally limited to electrical use or including an electrical device that may include a seal between a cable and the box or housing.

Subclass 606: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, appropriate subclasses for an insulator and specialized apparatus to mount, support, encase, box, or house an electrical component; subclasses 152+ for a grommet to insulate a conductor as it extends through a wall or plate; or subclass 539 for a box or housing structurally limited to electrical use or including an electrical device that may include a seal between a cable and the box or housing.

Subclass 919: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

Insert:

174, Electricity: Conductors and Insulators, appropriate subclasses for an insulator and specialized apparatus to mount, support, encase, box, or house an electrical component; subclasses 152+ for a grommet to insulate a conductor as it extends through a wall or plate; or subclass 539 for a box or housing structurally limited to electrical use or including an electrical device that may include a seal between a cable and the box or housing.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 285 – PIPE JOINTS OR COUPLINGS

Definitions Modified

Subclass 47: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, particularly subclasses 17+, 19+, 21+, 64, 65, and 71-94 for conduit and cable joints with structure having an electrical function only.

Subclass 48: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, particularly subclasses 17 through 22, 64, 71-94, and 668 for conduit and cable joints having claimed electrical characteristics.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 296 – LAND VEHICLES: BODIES AND TOPS

Definitions Modified

Subclass 1.06: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclass 668 for a grommet-type hole closure for an electrical conductor.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 312 – SUPPORTS: CABINET STRUCTURE

Definitions Modified

Class Definition: Under SECTION IV – REFERENCES TO OTHER CLASSES, SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 50-64 and 480-507 for enclosures having electrical structure.

Subclass 223.1: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 50-64 for boxes and housing with electric device or mounting means.

Subclass 223.5: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 17+, 50-64, and 480-507 for housing specially designed only for electrical equipment and see the class definition section 7 and Note 15 thereto.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 313 – ELECTRIC LAMP AND DISCHARGE DEVICES

Definitions Modified

Class Definition: Under SECTION IV – REFERENCES TO OTHER CLASSES, SEE OR SEARCH CLASS

Delete:

The sixth reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, is the generic class for the combination of an electrical device recited by name only (e.g., no significant characteristics of the device are recited, and the device may be a discharge device or lamp) and the separable casing, jacket, shield or enclosure where electrical features are involved such as the lead-in conductors for the device. See section 7 of the class definition of Class 174 for the subclasses in Class 174 which provide for boxes, housings and envelopes in Class 174. These subclasses also provide for the combination with a separable casing, jacket, shield or enclosure where electrical features are claimed. Note especially subclasses 50.51 and 350 in Class 174. Class 174 provides for the combination of a lamp or discharge device and a box, housing, casing, jacket or other container. ("Combined With A Separable Casing, Jacket, Shield, or Envelope Protective Means").

Delete:

The ninth reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclass 15.1 for housings, casings, or envelopes for electrical devices (e.g., lamp or discharge devices) with means for modifying the temperature of the device; subclass 17 for boxes and housings with electric connector; subclass 17.08 for hermetically sealed envelope with electric connector; subclasses 50-64 for miscellaneous boxes and housings for electrical devices; subclass 50 for boxes and housings with electric connector; subclass 50.5 for hermetically sealed envelopes with lead-in conductors; subclass 50.51 for hermetically sealed envelope with separable casing or jacket; subclass 50.52 for hermetically sealed envelope with electrical connector; subclasses 140+ for line insulators with arcing device; subclass 144 for arcing device, per se, for line insulators; subclass 151 for insulators for passing conductors through walls or plates; subclass 152 for electrical bushings; and subclasses 350-397 for miscellaneous electrical shields.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

Subclass 118: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, appropriate subclasses for spark plug-type electrical bushings (i.e., a spark plug with no sparking electrodes claimed), and electrical shields for spark plugs; subclasses 15.1-16.3 for such bushings combined with means for feeding, circulating, or distributing a fluid, such as a cooling liquid or air; subclass 31 for such bushings with a fluid (air) vent, valve, or other fluid feeding means combined therewith (e.g., a priming means); subclasses 152+ for such bushings, per se, including such bushings as are provided with thermal modifying means (e.g., heat radiating fins or heat conductive members) and electrical connectors; and subclass 350 for such bushings with an electrical shield about it and for the spark plug shields, per se. Note that Class 174 provides for subcombinations of spark plug type bushings which are less than a complete bushing and more than is provided for in other subcombination classes (e.g., the combination of the insulator and center electrode which involves more structure than a mere joint would be in Class 174 rather than one of the classes providing for joints.

Subclass 134: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 32-397 for electrical conductors having shielding means and subclass 350 for miscellaneous electrical shielding structure including that designed for use with spark plugs or spark plug-type bushings.

Subclass 313: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

Insert:

174, Electricity: Conductors and Insulators, subclasses 140+ for insulators provided with conductive means to modify the electrical characteristics of the insulator, including arcing horns, means for preventing the concentration of electrical stresses, means for modifying surface resistance, and grading means for modifying the voltage gradient; and subclasses 350-397 for miscellaneous electrical shields or screens, per se, and for envelopes, boxes, and housings which are of general utility (including those similar to those used for electric lamps and discharge devices) which are provided with or include as a part thereof an electromagnetic or electrostatic shielding means.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 324 – ELECTRICITY: MEASURING AND TESTING

Definitions Modified

Subclass 244: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 32-397 for anti-inductive structures, particularly subclass 352 for shielded coils.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 330 – AMPLIFIERS

Definitions Modified

Subclass 68: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 32-397 for miscellaneous anti-inductive structures, particularly subclasses 350-397 for miscellaneous electrical shields and screen structures not elsewhere classifiable. The search notes to subclasses 32-397 indicate further fields of search for anti-inductive and shielding structures.

Subclass 170: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 350-397, shielded or screened, for shielding electrical elements, generally. See the search notes thereunder.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 331 – OSCILLATORS

Definitions Modified

Subclass 67: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 32-397 for miscellaneous anti-inductive structures, particularly subclasses 350-397 for miscellaneous electrical shields and screen structures not elsewhere classifiable. The search notes to subclasses 32-397, indicate further fields of search for anti-inductive and shielding structure.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 333 – WAVE TRANSMISSION LINES AND NETWORKS

Definitions Modified

Class Definition: Under SECTION IV– REFERENCES TO OTHER CLASSES, SEE OR SEARCH CLASS

Delete:

The first reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, appropriate subclasses for housings, conductor, and conduit structure and for conductor and conduit joint and end structure which include electrical features and which are not defined as having long line characteristics, subclasses 27 and 113+ for parallel or twisted conductor structure; subclasses 28, 29, and 102+ for coaxial and shielded cable structure; subclasses 32-397 for conductor arrangements and structures for preventing or reducing the detrimental effects due to either the self-inductance of a single conductor or mutual inductance between plural conductors; subclasses 37-39 for underground conductor structure; subclasses 38, 43, 71+, and 520 for branched electrical conductor structure; subclasses 40+ for overhead conductor structure; and subclasses 137+ for insulator structures. (See Lines With Other Classes, “Systems and Networks and Components in Other Classes Generic to the Subject Matter of This Class”).

Subclass 100: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, particularly subclasses 38, 43, 49, 71+, and 520 for branched electrical conductor structures other than loaded lines and conductors defined as having long line characteristics.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 334 – TUNERS

Definitions Modified

Class Definition: Under SECTION IV – REFERENCES TO OTHER CLASSES, SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 50-64 for electrical boxes and housings, per se; and subclasses 350-397 for shields and screens, per se.

Subclass 85: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 50-64 for electrical boxes and houses, per se; and subclasses 350-397 for electrically shielded electrical conductors and insulators, or electrical shields or screens not classifiable in other subclasses of this class. Also see the Search Notes under these subclasses for an additional field of search.

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CLASS 335 – ELECTRICITY: MAGNETICALLY OPERATED SWITCHES, MAGNETS, AND ELECTROMAGNETS

Definitions Modified

Subclass 214: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclass 350 for shields or screens, per se.

Subclass 301: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 350-397 for electric or magnetic shields or screens, per se, or general utility.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 336 – INDUCTOR DEVICES

Definitions Modified

Subclass 65: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclass 37 for underground supports for electrical devices; subclass 40 for overhead supports for electrical devices; subclasses 50-64, particularly subclasses 58 and 63, for means to mount or support a casing or housing for an electrical device; and subclasses 480-507 for means for mounting miscellaneous casings or housings for electrical devices on or within a wall of a building structure.

Subclass 67: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, particularly subclasses 480-507 for wall-mounted conduits or housings.

Subclass 84: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 32-397 for miscellaneous anti-inductive structures, particularly subclasses 350-397 for miscellaneous electrical shields and screen structures not elsewhere classifiable. The search notes to subclasses 32-397 indicate further fields of search for anti-inductive and shielding structure.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 337 – ELECTRICITY: ELECTROTHERMALLY OR THERMALLY ACTUATED SWITCHES

Definitions Modified

Class Definition: Under SECTION II – REFERENCES TO OTHER CLASSES, SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 50-64 for boxes and housings with electric device or mounting means for housings or casings with fuse receptacles.

Subclass 398: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 50-64 for housings with electric device and 145 for insulator structure combined with connector means.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 338 – ELECTRICAL RESISTORS

Definitions Modified

Subclass 64: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 350-397 for electrically shielded electrical conductors and insulators; or electrical shields or screens not classifiable in other main classes. See also the Search Notes under this subclass.

Subclass 228: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 18 and 50-64 for boxes and housings within which a conduit or cable may extend, subclasses 480-507 for wall-mounted conduits, and subclasses 151+ for insulators extending through a wall or plate.

Subclass 243: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 350-397 for anti-inductive shields or screens not otherwise classified. See also the Search Notes under this subclass.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

Subclass 276: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 18 and 50 for boxes and housings with openings for passing conduit or cable, and subclasses 151+ for insulators for insulating a conductor extending through a wall or plate.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 343 – COMMUNICATIONS: RADIO WAVE ANTENNAS

Definitions Modified

Subclass 700: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclass 3 for lightning rod conductor structure; subclasses 6 and 7 for earth grounds, in general, which may be used with antennas; subclass 45 for towers, poles, or posts for supporting overhead conductors; subclasses 68.1-136 for cables and conductors which may be used in antennas; subclasses 137+ for antenna insulators, particularly subclasses 151+ for antenna insulators through a wall or plate; and subclasses 350-397 for anti-inductive structures involving a shield or screen.

Subclass 841: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 350-397 for shielded or screened electrical conductors and insulators.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 361 – ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

Definitions Modified

Subclass 270: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 32-397 for anti-inductive structures utilized with electrical conductors, particularly subclasses 350-397 for screened or shielded conductors.

Subclass 301.3: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclass 521 for potted or encapsulated housing.

Subclass 306.2: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclass 50 for flat housing for electronic devices.

Subclass 519: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

Insert:

174, Electricity: Conductors and Insulators, subclass 559 for multipart housing.

Subclass 537: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclass 559 for multipart housing.

Subclass 539: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclass 521 for potting of electrical components, per se.

Subclass 641: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 50-64 for housing with electric apparatus having no specific art limitations.

Subclass 674: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

174, Electricity: Conductors and Insulators, subclass 559 for housings having electrical components assembled together.

Subclass 723: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclass 536 for lead frame devices with housing means but having no claimed characteristics limiting particular characters of electrical equipment classifiable in other main classes.

Subclass 767: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclass 557 for mounting pad structure, per se.

Subclass 800: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 32-397 for miscellaneous anti-inductive structures, particularly subclasses 350-397 for miscellaneous electrical shields and screen structures not elsewhere classifiable.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

Subclass 808: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 534 and 557 for mounting pad, per se.

Subclass 813: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclass 536 for lead frame devices with housing means but having no claimed characteristics limiting the same to particular features of electrical equipment classifiable in other main classes.

Subclass 816: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 32-397 for miscellaneous anti-inductive structures, particularly subclasses 350-397 for miscellaneous electrical shields and screen structures not elsewhere classifiable.

Subclass 818: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

Insert:

174, Electricity: Conductors and Insulators, subclasses 32-397 for miscellaneous anti-inductive structures, particularly subclasses 350-397 for miscellaneous electrical shields and screen structures not elsewhere classifiable.

Subclass 837: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 50-64 for boxes or housing containing a switch or fuse and having no structural details of a switch or fuse.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 428 – STOCK MATERIAL OR MISCELLANEOUS ARTICLES

Definitions Modified

Subclass 543: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 32-397 for anti-inductive structures, especially subclass 350 for devices which shield or protect structures from magnetic or electrical interference.

Subclass 571: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclass 536 for lead frames combined with a housing for electrical components.

Subclass 573: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclass 536 for lead frames combined with a housing for electrical components.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 438 – SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

Definitions Modified

Class Definition: Under SECTION III – REFERENCES TO OTHER CLASSES, SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 15.1-16.3 for fluid cooling of electrical conductors or insulator, subclasses 50-64 for housings with electric devices or mounting means, and subclasses 250-268 for printed circuit devices.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 439 – ELECTRICAL CONNECTORS

Definitions Modified

Subclass 449: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 65 and 135 for a strain reliever limited to use with an electrical conductor but not claiming connector structure.

Subclass 607: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 350-497 for a conductor in which an anti-inductive shield is used, and see especially the Notes appended thereto for the location of other devices having anti-inductive structure.

D. CHANGES TO THE DEFINITIONS (Project No. E-5658)

CLASS 455 – TELECOMMUNICATIONS

Definitions Modified

Subclass 128: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 50-565 for electrical equipment boxes and housings, in general.

Subclass 899: Under SEE OR SEARCH CLASS

Delete:

The reference to Class 174

Insert:

174, Electricity: Conductors and Insulators, subclasses 32-397 for anti-inductive structure with shields or screens; subclass 46 for apparatus wherein an extension power cord forms the handle of a portable radio cabinet; subclass 50 for boxes and housings including radio cabinets which are limited to electrical use; and subclasses 50-64 for such boxes and housings where the box or housing has an electrical device such as radio apparatus cited by name only, or mounting a broadly recited electrical device therein. Wherein the claims specify that the box contains two different apparatus, even though recited by name only, such as a power supply and a tuning stage, the patent will be found in Class 361, Electricity: Electrical Systems and Devices, subclass 814 where no circuit connections between the apparatus is claimed which significantly limit the apparatus to use as a radio apparatus.