

1	<b>MISCELLANEOUS</b>	17 VA	..Venting, absorption, expansion
2	<b>LIGHTNING PROTECTION</b>	17 CT	..Closures, terminals, gaskets
3	.Rods	19	.Conduit or cable end structure
4 R	<b>AIR TERMINALS</b>	20	..With fluid stops
4 C	.Coated and radioactive	21 R	.Conduit or cable joints
5 R	<b>ELECTRIC SHOCK HAZARD PROTECTIVE DEVICES</b>	22 R	..With fluid stops
5 SB	.Shock protection, body insulation	22 C	...Concentric
5 SG	.Shock protection, grounding devices	21 JS	..Joints: separable
6	<b>EARTH GROUNDS</b>	21 JR	..Joints: rotatable
7	.Driving type	21 JC	..Joints: rotatable, coaxial
8	<b>WITH FLUIDS OR VACUUM</b>	21 C	..Joints: coaxial
9 R	.Current conductive fluid and/or vacuum	21 CA	..Joints: coaxial angle expansion
9 F	..Conductive fluid	23 R	.With fluid stops
10	.With cable or conduit preinstallation devices	23 C	..Compositions
11 R	.With fluid-condition responsive and/or indicating means	24	.Conduits, cables and conductors
11 BH	..Bushings	25 R	..Impregnated insulation type
12 R	.With expansion and contraction means	26 R	...Multiple conductor
13	..Built into conduit or cable	26 G	....Gas filled
12 BH	..Expansion bushings	25 C	...Impregnating compositions
14 R	.With fluid maintenance or conditioning means	25 G	...Gas filled
14 BH	..Bushings	25 P	...Processes
15.1	.With cooling or fluid feeding, circulating or distributing	27	..Parallel or twisted conductors
15.2	..By heat pipe	28	..Coaxial or concentric type
15.3	..For bushing or pothead	29	..With spiral spacer
15.4	..Superconductive type	30	.Insulators
15.5	...For cable, conductor or joint	31 R	..Axial passage and/or through wall or plate
15.6	..For cable, conductor or joint	31.5	...Liquid sealed joint
15.7	..For welding or furnace cable	31 S	...Spark plugs
16.1	..By ventilation or gas circulation	32	<b>ANTI-INDUCTIVE STRUCTURES</b>
16.2	...Of bus bars or bus ducts	33	.Conductor transposition
16.3	...With heat sink	34	..Conduit or cable structure
17 R	.Boxes and housings	36	..Conductor only
17.05	..Hermetic sealed envelope type (e.g., with exhaust stem)	350	.Shielded
17.06	...Liquid seal	351	..Resilient contacts
17.07	...Combined lead-in and exhaust tube	352	...Metal coil core
17.08	...With electric connector	353	...Magnetic
18	..With bushing, terminal or lead-in	354	...Attaching clip or finger
17 LF	..Liquid filled	355	...Strip or metal comb
17 GF	..Gas filled	356	...Conductive shell with nonconductive core
17 SF	..Solid filled	357	....Metal mesh
		358	...Polymeric gasket
		359	..Connectors
		360	..Feedthrough
		361	...Soldered
		362	...Resilient member
		363	..Joints
		364	...Pneumatic or hydraulic
		365	...Sliding
		366	...Resilient member
		367	....In groove
		368	.....Inserted contact member

369	....Strip or metal comb	484	....Terminal above floor
370	....Polymeric gasket	485	....Bell cover
371	....Flange and fastener	486	...Under floor and flush mounted
372	...Interlocking	487	....Terminal on floor
373	....Flange and fastener	488	.....Cover
374	...Between door and wall	489	....Terminals inside housing
375	....Hinges	490	...Floor fixture
376	..Interconnection order	491	..Ceiling
377	..Housing or panel	492	..Corner mounted
378	...Flexible	493	..Power pole
379	...Convertible	494	..Power strip
380	....Telescoping or folding	495	..Partition
381	...Transparent	496	...Adjustable
382	...Access panel or opening	497	...Lower portion
383	....Vents	498	...Upper portion
384	...Wall structure	499	...Vertical portion
385	....Hole geometry	500	..Cabinet and furniture
386	....Specific layers	501	...Hospital console
387	...Multiple compartments	502	..Flush mounted
388	..Material	503	..Bracket mounted
389	...Transparent	504	..Casing and molding
390	...Particular shape	505	..Interior wall conduit
391	...Magnetic	506	...Branched
392	...Grid	507	..Nail protector
393	....Conductive woven layer	50	<b>BOXES AND HOUSINGS</b>
394	...Plural conductive layers	50.5	..Hermetic sealed envelope type
395	..Radio tube shields	50.51	..With covering or casing for envelope
396	..Coils, antieddy current	50.52	..With electrical connector
397	..Spark plugs, manifolds	50.53	...Envelope portion forms connector
37	<b>UNDERGROUND</b>	50.54	..With mounting means for a device within envelope
38	..Distributing and/or combined with overhead	50.55	..Hollow lead surrounding another lead (e.g., concentric type)
39	..Street, sidewalk, gutter or curb structure	50.56	..Lead-in insulated from metal wall
40 R	<b>OVERHEAD</b>	50.57	..Stem or sealing disk attached to envelope neck
41	..With messenger cable	50.58	...By fused-type seal
42	..With conductor vibration damping means	50.59	..With shield for lead-in seal or between the lead-in conductors
43	..Distributing and/or plural point support	50.6	..Plural lead-in
44	..With connector or wire fanning arrangements	50.61	..With bonded seal for conductive member (e.g., glass to metal)
45 R	..Towers, poles or posts	50.62	...With cement or plastic
45 TD	..Tension devices	50.63	...Metal disk or ring-type seal
40 CC	..Ground clamps and cable clips	50.64	...Foil or flat lead-in
40 TD	..Tension devices	51	..With grounding means
46	<b>HANDLES</b>	520	..With electrical device
47	<b>COMBINED FLUID CONDUIT AND ELECTRICAL CONDUCTOR</b>	521	..Encapsulated (potted, molded, plastic filled)
480	<b>WALL MOUNTED</b>	522	...Vent, inlet or exit
481	..Conduit and housing		
482	..Floor		
483	...Poke through		

523	...Dam	59	..With connectors
524	...Plural layers	60	...Cable or conduit terminal casings
525	...Flexible	61	..Fixtures coupling or mounting means
526	...Cooled	62	...Stud or nipple
527	...External terminals	63	...With box supporting means
528	....Leads	64	...With conduit or cable coupling means
529	.....On lead frame	650	<b>FEEDTHROUGH OR BUSHING</b>
530	.....Multiple tiers	651	.Movable
531	.....Varying dimension	652	.Compression
532	.....Bent	653	..Threaded casing with deformable member
533	.....Outside of housing	654	...Grips both sides of jacket or shield
534	....Lands	655	..Threaded casing with resilient fingers
535	..Details of mount	656	..Multipiece casing
536	..Lead frame	657	..With fastener
537	...Multiple frames	658	...Parallel to cable length
538	...Wire bonded	659	.With opening retaining member
539	....Seal	660	..Projections or fingers
540	.....Surrounding lead	661	..Cantilevered plate
541	...Connection	662	..Serpentine cable path
542	..Movable, rotatable, or slidable	663	..Plate and fastener
543	...On door	664	..Split collar
544	...Shock absorption	665	.Collar with engagement member
545	...Clip	666	.Knockouts
546	..Coated	667	.Plastic filled
547	..Cooled	668	.Wall engagement member
548	...Heat sink	669	..Opposed wall engagement member
549	..External terminals	66	<b>COVERS OR FACE PLATES</b>
550	...Keys	67	..With closure for face plate opening
551	...Leads	68.1	<b>CONDUITS, CABLES OR CONDUCTORS</b>
552	...Varying dimension	68.2	.Bus bars or bus ducts (Residual)
553	...Lap joined	68.3	.Single duct conduits
554	...Sealing ring	250	..Preformed panel circuit arrangement (e.g., printed circuit)
555	...Bent	251	..With encapsulated wire
556	.....Outside of housing	252	..With cooling means
557	...Lands	253	..Micropanel
558	...Bumps	254	..Convertible shape (e.g., flexible) or circuit (e.g., breadboard)
559	..Multipart housing	255	..With particular substrate or support structure
560	...Joining parts	256	..With particular material
561	....Interlocking	257	...Conducting (e.g., ink)
562	.....Fastener	258	...Insulating
563	.....Recess with mating projection	259	...Adhesive/bonding
564	....Seal	260	..With electrical device
565	..Specific material		
53	..Plug receptacle or wall switch type		
54	...With fixture coupling or mounting means		
55	...Unitary with face plate		
56	....External		
57	...Adjustable		
58	..With box or housing mounting means		

261	..With particular conductive connection (e.g., crossover)	90	...Stranded conductor
262	...Feedthrough	91	...Divided joint sleeves
263	....With solder	92	....Longitudinally
264	....Voidless (e.g., solid)	93	...Sleeve and end cap-type casing
265	.....Preform in hole	94 R	...Bare-conductor
266	....Hollow (e.g., plated cylindrical hole)	94 S	....Separable
267	...Termination post	84 C	...Crimped
268	..With single conductive plane (e.g., tape, cable)	84 S	...Separable
69	..Extensible	70 S	..Submarine repeater housings
70 R	..Combined	70 B	..Bus bars
71 R	..Branched	70 C	..Conduits or strips
72 R	...Multi-duct conduit and/or plural branch	70 A	..Aerial cable
72 A	....Wire harness	95	..Plural duct
72 B	....Bus bars	96	..Embedded conduit-ducts or conductors
72 C	....Casing, moldings	97	..Grooves or channels
72 TR	....Ribbon type	98	..With embedded conduit-duct or conductor
71 B	...Bus bars	99 R	..With interior conductor or cable supports
71 C	...Coaxial	100	..Vertical conductor or cable
73.1	..With joint or end structure conductive stress distributing means	99 B	..Bus bars
74 R	..With end structure	99 E	..Expansion
75 R	...With joint	101	..Removable wall
75 B	....Bootleg	101.5	..Buoyant
75 D	....With detachable joint (e.g., potheads)	102 R	..Conductive armor or sheath
75 F	....Flexible spring type	103	..Plural individually sheathed or armored conductors
75 C	....Coaxial	104	...Embedded in shield
76	...Plastic filled	105 R	..Plural, insulated
77 R	...Sealing	105 SC	...Semiconducting
77 S	....Spark plugs	105 B	...Segmental
78	...With grounding means	106 R	..Plural, conductively contacting or composite
79	...With supporting means	106 SC	...Semiconducting
80	...With insulator skirts	106 D	...Corrugated
81	...Elbow or hood outlet type	107	..Protected by nonconductive layer
82	...End cap outlet type	108	..Spirally applied
83	...Lining thimble	109	...Overlapping or interlocking
74 A	...Insulating cap or sleeve	102 A	..Alloys
84 R	..With joints	102 SC	..Semiconducting
85	...Axially insulated joint sleeve sections	102 C	..Sheath coated
86	...Angularly movable or adjustable	102 SP	..Strip, type, perforated, slotted
87	...Angular	102 P	..Powdered insulation
88 R	...Plural conductor and/or duct	102 D	..Corrugated
88 B	....Bus bars	102 E	..Rope
88 C	....Coaxial	110 R	..Insulated
88 S	....Separable	111	..With beads or disc
89	...Radially spread or flanged sheath or conduit	112	..With identifying means
		113 R	..Multiple conductor
		114 R	...Split conductor
		114 S	....Segmental reentrant

115	...Dissimilar or auxiliary conducting elements	126.2	..Composite
116	...With filler insulation	126.3	..Corrugated or slotted
117 R	...Assemblies of noncircular section	126.4	..Metal coated on insulation
117 F	....Flat or ribbon type	127	..Corona prevention
117 FF	....Conductor itself is flat	128.1	..Plural strand
117 M	....Mesh	128.2	...Bundle conductors
117 AS	....Air-spaced	129 R	...Assemblies of noncircular section
117 A	....Adhesive	129 B	....Bus bars
113 A	...Radially compressed	129 S	....Segmental, reentrant
113 AS	...Air-spaced	130	...Annular
113 C	...Insulating core	131 R	....With wall support
118	..With powdered or granular material	131 A	....Insulating core
119 R	..Composite or noncircular strand section	131 B	....Synthetic, coated
119 C	...Coated, compositions	133 R	..Noncircular strand section
120 R	..Plural or impregnated layers	133 B	...Bus bars
121 R	...Fibrous or fabric with plastic or coating materials	135	.Accessories
121 A	....Flame, weather or mold proof	136	..Anti-abrasion devices
121 B	....Cellulose	137 R	<b>INSULATORS</b>
121 AR	....Rubber	138 R	.Special application
121 SR	....Synthetic resin	138 A	..Antennas
122 R	...Fibrous or fabric	138 C	..Compositions
122 G	....Glass	138 S	..Spark plugs
122 C	....Coated	138 B	..Pull chains
120 C	...Coated or impregnated	138 D	..Studs, rods, and joints
120 FP	..Fluid-type cable paper	138 E	..Slot liners and spacers
120 SC	...Semiconducting	138 F	..Terminal covers
120 AR	...Rubber	138 G	..Component mounting pads, spacers and holders
120 SR	...Synthetic resin	138 H	..Neon tube type
124 R	..Fibrous or fabric	138 J	..Resistor or heater type
124 G	..Mineral-glass	139	.Combined
124 GC	..Mineral-glass, coated	140 R	..With conductive arcing or stress distributing means
110 A	..Oxide	141 R	...Strings or stacks
110 P	..Cellulose	141 C	....Coated
110 AR	..Rubber	142	...Bushing type
110 SR	..Synthetic resin	143	....Condenser type
110 SY	..Styrene	144	...Arcing or grading devices
110 B	..Isobutylent	140 C	...Coated
110 N	..Polyamide (Nylon)	140 H	...Hood type
110 PM	..Polyethylene	140 S	...Strain type
110 D	..Synthetic polyester textile fiber	140 CR	...Corona ring
110 V	..Vinyl	145	..With connector
110 FC	..Fluorocarbons	146	.Mid-line spacers
110 S	..Silicones	147	..Cross-over
110 F	..Foam	148	.Multiple insulator assemblies
110 E	..Epoxy	149 R	..Multiple conductor
125.1	.Superconductors	149 B	...Bus bars
126.1	.Conductor structure (nonsuperconductive)	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	187	..Ventilating
152 A	...Antennas	188	..Cap type
152 E	...Electric space discharge device	189	...Plastic material adhered
152 S	...Spark plugs	190	...Divided cap
152 G	...Grommets or tubes	191	...Clamps or clasps
152 GM	...Glass-to-metal seal	192	...Rings or wedges
154	.Insulator and conductor embracing holder	193	...Screw or bayonet
155	..Divided insulator	194	..Pin type
156	.Divided insulator	195	...Multi-part insulators
157	..Aligned through aperture	196	...Plastic material adhered
158 R	..With insulator-supporting or attaching means	197	...Clamps or clasps
159	..Insulated nail or staple type	198	...Rings or wedges
160	..Strand engaging suspension means	199	...Expanded
161 R	..Adjustably or movably mounted	200	...With thimble in socket
161 F	...Fence post insulators	201	...Through pin
162	..Double arm	202	...Screw or bayonet type
163 R	..Support and/or insulator embracing or clamping	203	....Strand thread
163 F	...Fence post insulators	204	....Sheet material thread
164	..Support penetrating	205	....Soft yielding material pin
165	...Penetrating element socketed in insulator	206	....Sockets
166 R	...Through aperture, penetrating element clamped	207	..Link or clevis
166 S	....Stand-off insulators	208	.Link type
158 F	..Fence post insulators	209	.Sectional, multi-part, composite, or coated
167	..With conductor receiving aperture or bushing type	210	..Pin socket type
168	..With conductor holding means	211	.With moisture or dirt removing or shedding
169	..Fitting or terminal type	212	.Surface configuration
170	...Hooks	137 A	.Coated
171	...Special conductor form	137 B	.Compositions
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		

**FOREIGN ART COLLECTIONS****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)	DIG 16 ..In a motive power system (e.g., electric motor control system, etc.)
FOR 103 ..Gaskets, covers (174/35GC)	
FOR 104 ..Coils, anti-eddy-current (174/ 35CE)	DIG 17 ..In an electric power conversion, regulation, or protection system
FOR 105 ..Materials, stock and screen rooms (174/35MS)	DIG 18 ..In a power distribution network
FOR 106 ..Radio tube shields (174/35TS)	DIG 19 ..In a dynamo-electric machine
FOR 107 <b>WALL MOUNTED CONDUITS AND/OR HOUSINGS (174/48)</b>	DIG 20 ...Stator
FOR 108 .Plural outlet and/or conduit (174/49)	DIG 21 ...Rotor
<b>BOXES AND HOUSINGS (174/50)</b>	DIG 22 ...Winding, per se
FOR 109 .With electric device or mounting means therefor (174/52.1)	DIG 23 ..In a circuit breaker, relay, or switch
FOR 110 ..Potted or encapsulated (174/ 52.2)	DIG 24 ..In an inductive device (e.g., reactor, electromagnet, etc.)
FOR 111 ..Sealed (174/52.3)	DIG 25 ...Transformer
FOR 112 ...Flat housing for electronic device (e.g., flat pack, dual- in-line package) (174/52.4)	DIG 26 .Having a plural-layer insulation system
FOR 113 ...Header, mounting stud, or can- type housing for semiconductor or crystal (174/52.5)	DIG 27 ..Including a semiconductive layer
FOR 114 ...Pellet type housing (174/52.6)	DIG 28 ...Plural semiconductive layers
FOR 115 .With conduit or cable opening, coupling means or hole closures (174/65R)	DIG 29 .Having a semiconductive layer
FOR 116 ..Sealed stuffing-gland type (174/65SS)	DIG 30 .Having insulation with a particular dimension or geometry
FOR 117 ..Grommet type (174/65G)	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 <b>PCB IN BOX OR HOUSING</b>
	DIG 35 <b>BOX OR HOUSING MOUNTED ON SUBSTRATE OR PCB</b>

**DIGESTS**

DIG 1	<b>ANTI-TRACKING</b>
DIG 2	<b>BALLASTS</b>
DIG 7	<b>SODIUM CONDUCTORS, CONNECTORS, ETC.</b>
DIG 8	<b>SHRINKABLE TUBES, ETC.</b>
DIG 9	<b>PULL-OUT CABINET OR DRAWER WITH RETRACTABLE CABLE</b>
DIG 10	<b>BUSHING WITH CURRENT TRANSFORMERS</b>
DIG 11	<b>ZIPPER TUBES</b>
DIG 12	<b>HELICAL PREFORMS</b>
DIG 13	<b>HIGH VOLTAGE CABLE (E.G., ABOVE 10KV, CORONA PREVENTION, ETC.)</b>
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.)

