

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

CLASSIFICATION ORDER 1855

MAY 2, 2006

Project No. E-6776

The following classification changes will be effected by this order:

	<u>Class</u>	<u>Subclasses</u>	<u>Art Unit</u>	<u>Ex'r Search Room No.</u>
Abolished:	439	620-622	2833	Not Applicable
Established:	439	620.01-620.09, 620.1, 620.11-620.19, 620.2, 620.21-620.29, 620.3, 620.31- 620.34	2833	Not Applicable

The following classes are also impacted by this order.

Classes: 337, 361, and 362

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 AND NEW OR ADDITIONAL DEFINITIONS.

CLASSIFICATION ORDER 1855

MAY 2, 2006

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A. CLASSIFICATION MANUAL CHANGES

Additional and modified subclasses

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1	INTERRELATED CONNECTORS RELATIVELY MOVABLE DURING USE	46	...Pin having selection feature
2	.And antivibration mounting	47	...Panel member having planar surface for supporting circuit and parallel surface for supporting second circuit
3	.With means to apply lubricant or coolant		
4	.With storage means for flaccid conductor	48	...Linear conductors of first surface; linear, normally disposed, conductors in second circuit
5	.Having liquid contact		
6	.Universal movement	49	.Including three or more contacts adapted to be selectively interconnected
7	..Having "nonsolid" contact, e.g., fibrous or pelletized bed		
8	..Parts comprising ball and socket	50	..Panel having planar contact array with mating panel having mating planar contact array
9	..One part having flexible contact fingers		
10	.Compound movement, e.g., rotary + linear	51	...Mounted for controlled movement with respect thereto
11	.Movement about axis	52	.Coupling part including repositionable contact
12	..Including stacked plates used as conductor	53	.Coupling part with selectably oriented mating part
13	..Rotary movement	54	.Test panel
14	...Between cable and screw-type contact shell	55	PREFORMED PANEL CIRCUIT ARRANGEMENT, E.G., PCB, ICM, DIP, CHIP, WAFER, ETC.
15	...Part comprising hand wheel, e.g., steering wheel	56	.Connection to lamp or electron tube
16	...Part comprising vehicle wheel	57	..Movable about its axis
17	...Including ball or roller bearing used as conductor	58	..Electron tube moved perpendicularly to panel circuit
18	...Including annular contact	59	.With mating connector which receives panel circuit edge
19	....Rolling contact	60	..Contacts at different distances from lead panel circuit edge
20	....Coaxial annular contacts	61	..Receives plural panel circuit edges
21	.....Concentric	62	..Panel mounted connector which receives edge of panel circuit
22	.....Having axially facing contact surface	63	.For receiving coaxial connector
23	.....Having radially outwardly facing contact surface	64	.With guide for directing panel circuit movement
24	.....Three or more such contacts	65	.With provision to conduct electricity from panel circuit to another panel circuit
25	.....Engaged by resiliently biased contact	66	..Conductor is compressible and to be sandwiched between panel circuits
26	.....Laterally biased finger contact	67	..Flexible panel
27	...Having axially facing contact surface	68	..Micro panel circuit arrangement, e.g., ICM, DIP, chip, wafer, etc.
28	...Having radially outwardly facing contact surface	69	...Overlying second, coextensive micro panel circuit arrangement
29	...Including resiliently biased contact	70	...Dual inline package (DIP)
30	...Contact having resilient shank	71	...Leadless
31	..Hinge	72	...Contacts extending parallel with DIP at contact surface
32	.Linear movement	73	...With external, contact enhancing clamp
33	..Expansion joint	74	..Overlying second preformed panel circuit, both adapted to be electrically connected
34	WITH VEHICLE STRUCTURE	75	...Connected by transversely inserted pin
35	.Connection to towed vehicle	76.1	.Within distinct housing spaced from panel circuit arrangement
36	.Connection to lamp		
37	WITH WEARING APPAREL		
38	WITH MAGNET		
39	.To urge mating connectors together		
40	.To urge connector to supporting surface		
41	WITH VACUUM APPLYING MEANS. E.G., SUCTION CUP		
42	.To urge mating connectors or contacts together		
43	WITH SELECTABLE CIRCUIT, E.G., PLUG BOARD		
44	.Planar circuit overlying a second planar circuit, both adapted to be electrically connected		
45	..Connected by transversely inserted pin		

Title Change
* Newly Established Subclass

@ Indent Change
& Position Change

MAY 2006

	PREFORMED PANEL CIRCUIT ARRANGEMENT, E.G., PCB, ICM, DIP, CHIP, WAFER, ETC.	111	.Arcuate, bendable or pliant rail or contact
	.Within distinct housing spaced from panel circuit arrangement	112	..Circular rail or contact
		113	.With access restricting cover
76.2	..Automotive junction box	114	..Bus duct
77	.Flexible panel	115	.With means to join tandem rails or tandem contacts
78	.Distinct contact secured to panel circuit	116	.With coupling movement-actuating means or retaining means in addition to contact of coupling part
79	..Panel circuit adapted to move along panel plane relative to coupling part for insertion of male contact	117	..Uninterrupted contact accessible by mating contact moving in a first, then a lateral direction
80	...Resilient contact or to receive resilient contact	118	...Bayonet coupling part movable about axis
81	..Resilient contact or to receive resilient contact	119	.With mating part having mating connector portion and another connector portion electrically connected thereto, e.g., adapter
82	...In or for use in panel circuit aperture	120	.Molding type; e.g., baseboard
83	..Contact soldered to panel circuit	121	FOR INTERFITTING WITH UNINTERRUPTED SUPPORT RAIL OR UNINTERRUPTED CONTACT
84	..Contact secured to panel circuit by deformation	122	.Coupling part with actuating means urging contact surface to move with respect to rest of connector and toward mating contact
85	.Of layers of insulation	123	CANDLE SIMULATION TYPE
86	INCLUDING ELASTOMERIC OR NONMETALLIC CONDUCTIVE PORTION	124	.Adapter
87	.Rigid carbon conductive member	125	HAVING SPARK OR GLOW PLUG COVER
88	.Inductive shielding or arc suppressing means	126	.Inductive shielding; e.g., radio disturbance
89	..Sealing with coupled connector	127	.With distinct securing means
90	..Between parallel conductors	128	.Having removable closure
91	.Adapted to be sandwiched between performed panel circuit arrangements	129	MAGNETO POST TYPE
92	WITH CIRCUIT CONDUCTORS AND SAFETY GROUNDING PROVISION	130	MULTICONTACT INTERNAL COMBUSTION ENGINE DISTRIBUTOR CAP OR MULTICONTACT MATING PART
93	.And means to block access to power contact surface	131	CONNECTOR MOVABLE BETWEEN ACCESSIBLE AND INACCESSIBLE POSITIONS
94	.Uninterrupted support rail or contact, or for interfitting with uninterrupted support rail or contact	132	.With fluid pressure operating or control means
95	.Grounding to connector container or housing	133	WITH UNAUTHORIZED CONNECTION PREVENTER, E.G., KEY OR COMBINATION LOCK
96	..Pliable conductor for making grounding connection of connector to container	134	.Prong cover
97	..By means of connector mounting screw	135	WITH CONTACT PREVENTER OR RETRACTABLE COVER PART
98	.Grounding to conductive sheath of cable	136	.Movable mounted
99	..Portion of connector beneath conductive sheath	137	..Moved by mating connector
100	.Grounding to pipe, rod or conduit	138	...Moved about an axis
101	.Direct grounding of coupling part member passing into aperture	139	...Connector moved rectilinearly for engagement, preventer or cover moved about axis parallel to direction of connector movement
102	..Prong having locking provision, e.g., bayonet	140	...Connector moved rectilinearly for engagement, preventer or cover moved rectilinearly and parallel thereto
103	..Movable or removable ground prong	141	...Retractable sheath
104	...Pivotable or rotatable about transverse axis	142	..Movable about axis
105	..Adapter	143	...To misalign aperture with contact
106	..Three-prong coupling part including ground prong, or receptacle	144	...With connector retaining means in addition to contact of connector
107	...Duplex receptacle		
108	.Grounding of coupling part		
109	INTERMEDIATE MEMBER BETWEEN PRONG AND ENCOMPASSING PLANAR GROUND		
110	UNINTERRUPTED SUPPORT RAIL OR UNINTERRUPTED CONTACT		

Title Change
* Newly Established Subclass

@ Indent Change
& Position Change

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	WITH CONTACT PREVENTER OR RETRACTABLE COVER PART	184	..Gas
	.Movable mounted	185	...Gas accomodation by relatively moving parts
145	..Movable to misalign aperture with contact	186	.Contact encasing chamber
146	.Adapted to fit between contacts of first and second coupled connectors (e.g., power measuring meter)	187	..Movable relative to contact
		188	HAVING CIRCUIT INTERRUPTING PROVISION EFFECTED BY MATING OR HAVING "DEAD" CONTACT ACTIVATED AFTER MATING
147	.With connector retaining means in addition to contact of connector	189	WITH OR COMPRISING REMOVABLE CIRCUIT MODIFYING ARRANGEMENT
148	.Dummy connector	190	HAVING RETAINER OR PASSAGEWAY FOR FLUENT MATERIAL
149	.Prong cover		
150	..Protector for electron tube pin	191	.Fluent material transmission line
151	COUPLING PART COMBINED WITH MEANS TO ALLOW REPOSITIONING OF MATING PART FOR ENGAGEMENT WITH DIFFERENT CONTACTS ON MATING PART; E.G., FLASH CUBE	192	..Connector electrically joined to line
		193	..For use with line heater
		194	..Electrical connection within line
		195	..Connector/line assembly coupled to mating connector/line assembly by movement about an axis less than 360 degrees
152	WITH COUPLING SEPARATOR		
153	.Including retainer or joiner		
154	..Destructible retainer	196	.Liquid material to dissipate, remove, or block the flow of heat
155	..Distinct from separator		
156	...Coaxial contacts, center one comprising separator, e.g., photo flash	197	.For urging contact toward or away from mating contact
		198	.Gas retainer
157	..Integral retainer and cam separator	199	.Liquid retainer
158	.Means to utilize direct fluid action	200	..Impregnated material
159	.Nonconducting pusher	201	..Coupling part having contact encompassed by liquid storage chamber
160	..Including handle for direct manual urge to separate		
161	HEAT RESPONSIVE CONTACT PRESSURE CONTROL	202	...Contact comprising tapered post or mating part (e.g., battery post)
162	WITH RELATIVELY GUIDED MEMBERS AND INTERMEDIATE PLIABLE CONDUCTOR	203	..Crimped end terminal
163	.Frangible pliable conductor; e.g., umbilical break-away	204	..Encompassing wire
		205	.Passageway allowing escape of fluent material during mating
164	.Relatively movable about axis		
165	..Hinge	206	.Vent
166	CONVERTIBLE BY INTERNAL CHANGE TO SELECTIVELY COOPERATE WITH A DIFFERENT CONTACT	207	WITH CONDUIT OR DUCT
		208	.Enclosed conductor electrically connected thereto
167	.Connector for power measuring meter	209	.Molding type (e.g., baseboard)
168	.Lamp or electron tube socket or base	210	.Means to join conduit, duct or conductor sections
169	.Test probe		
170	.Coupling part	211	.Including receptacle
171	..Including repositionable contact	212	BUS DUCT
172	...To nonuse or distinct use (e.g., male/female) position	213	.Means to join bus ducts
		214	COMPRISING COUPLING PART OF INDETERMINATE LENGTH Laterally OF CONNECTION
173	...To fit differently oriented contact		
174	.Including repositionable contact		
175	..To fit different size contact	215	.Included in prefabricated building panel (e.g., floor, ceiling, wall)
176	FEMALE COUPLING PART CONVERTIBLE TO MALE COUPLING PART BY ADDITION OF PRONG	216	.Molding type (e.g., baseboard)
177	COUPLING PART CONVERTIBLE TO DISTINCT SHAPE BY ADDITION OF NONREMOVABLE ELEMENT OR BY REMOVAL OF NONREUSABLE ELEMENT	217	ALTERNATIVELY CONNECTED
		218	.Coupling part
		219	..Test probe
		220	..Lamp or electron tube socket or base
178	FLUENT CONDUCTING MATERIAL	221	..Contact comprising prong
179	.Liquid	222	..Receptacle having distinct openings for distinct prongs
180	CONTACT SEPARATION BY SNAP OR QUICK-BREAK ACTION		
181	INCLUDING ARC SUPPRESSING OR EXTINGUISHING MEANS	223	..Receptacle for prong of first lateral dimension or for prong of second lateral dimension
182	.Lamp or electron tube socket		
183	.By arc suppressing or extinguishing environment		

Title Change
* Newly Established Subclass

@ Indent Change
& Position Change

	ALTERNATIVELY CONNECTED	262	.Urging stacked contacts to move with respect to rest of coupling part
224	.To receive contact from first direction or from second axially distinct direction	263	.Contractile receptacle
		264	..For dual inline coupling part, e.g., DIP
225	CONTACT TAP BETWEEN NORMALLY ENGAGED COUPLING PARTS	265	.Expandable contact or spreadable contacts
226	COUPLING PART TO RECEIVE FLUORESCENT OR NEON LAMP	266	COUPLING PART HAVING HANDLE OR MEANS TO MOVE CONTACT Laterally TO PERMIT UNCOUPLING
227	.Having curved tubular envelope		
228	..Plural lamps		
229	..Circular lamp	267	.Having open slot for receiving panel circuit arrangement
230	.With sealing element or material for cooperation with coupled lamp	268	.Expandable, prong receiving socket
231	.With contact for starting switch	269.1	.To move contact with respect to similar contact
232	.With additional retaining or locking means for coupled connector and lamp	269.2	..Comprising laterally movable prong or socket attached to flaccid conductor
233	..Removable		
234	.Adjustably mounted		
235	.Plural lamps	270	.Movable latching prong or latch on prong
236	.Adapter		
237	.Separately biased connector	271	WITH SEALING ELEMENT OR MATERIAL FOR COOPERATION WITH COUPLED CONNECTOR, E.G., GASKET
238	..Pivotable connector		
239	.With provision for transverse receipt of lamp contact	272	.Sealing element having cross section that is neither circular nor rectangular
240	..By rotation of lamp about axis		
241	...Contact comprising laterally resilient spring finger	273	..Tapered cross-section
		274	..Combined with distinct cable sheath sealing element or material
242	.With provision for axial receipt of lamp contact	275	.Combined with distinct cable sheath sealing element or material
243	..Axially biased contact	276	.Including chamber for contact potting
244	...Coil spring with provision to utilize conductivity thereof	277	.With helically threaded coupling movement-actuating means or retaining means in addition to contact of coupling part
245	COUPLING PART HAVING HELICALLY DISPOSED STRANDLIKE CONTACT		
246	SELF ALIGNING CONTACT		
247	.Contact mounted in floating nonconductive holder	278	HAVING RESILIENT HOUSING FOR SEALING WITH COUPLED CONNECTOR
248	..Connector including housing or panel to support holder	279	.Combined with distinct cable sheath sealing element or material
249	.Receptacle having two directly opposed contact arms and open sides between arms	280	.Connector comprising lamp or electron tube socket or base
250	..To receive fuse	281	.Having interengageable sealing extension
251	..To receive rigid bar type connector, e.g., busbar	282	.Housing comprising resilient latching means
252	.Tubular socket	283	COUPLED CONNECTOR TO SEALINGLY FIT WITH FIRST CONNECTOR
253	SCREW COUPLING PART ENGAGED OR DISENGAGED WITHOUT ROTARY MOTION	284	ADAPTED TO COOPERATE WITH DUPLICATE CONNECTOR
254	.Having radially movable thread means	285	.Sequentially connected contacts, e.g., zipper type
255	..By axially moving wedge or cam	286	.Engaged by axial and pivotal movements (e.g., bayonet)
256	..Biased toward mating thread		
257	...Socket	287	.Engaged by lateral movement
258	COUPLING PART WITH LATCHING MEANS AND TETHER OR EXPLOSIVE TO UNLATCH FROM MATING PART	288	..Pivotal
		289	.Butt coupling
259	COUPLING PART WITH ACTUATING MEANS URGING CONTACT TO MOVE Laterally WITH RESPECT TO REST OF COUPLING PART AND TOWARD MATING PART	290	.Contact intermeshable with duplicate mating contact
260	.Having open slot for receiving preformed panel circuit arrangement or tape cable		
261	.Pivotable means, one portion actuating contact surface, another portion retaining coupling part		

Title Change
* Newly Established Subclass

@ Indent Change
& Position Change

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	ADAPTED TO COOPERATE WITH DUPLICATE CONNECTOR	324	.Male contact pin with blockable retaining means at tip, e.g., Modrey
	.Contact intermeshable with duplicate mating contact	325	.Coupling part for receiving edge of planar board moving parallel to plane
291	..Plural, electrically distinct contacts		
292	.With coupling movement retaining means in addition to contact of coupling part	326	..With angular mating
		327	..Retaining means exterior of slot
293	..Resilient	328	...Fingerlike grasping means comprising portion of coupling part
294	..With relatively rotatable movement-actuating or retaining ring	329	.For direct connection to a flexible tape or printed circuit board
		330	.For dual inline package (DIP)
295	.Resiliently biased contact	331	..Movement-actuating or retaining means comprises cover press
296	WITH COUPLING MOVEMENT-ACTUATING MEANS OR RETAINING MEANS IN ADDITION TO CONTACT OF COUPLING PART	332	.Bayonet coupling part movable about its axis
297	.With guiding means for removable automobile radio or record player	333	..With distinct means to secure movement-actuating or retaining means against movement
298	..Including resilient latching retaining means	334	..Coupling part including appurtenant means for supporting other structure
299	.With coupling part retained in connection with mating part by presence of distinct coupling part	335	..Comprising cylindrical shell having lug receiving slot
300	..Adapter	336	...Lamp or electron tube socket
301	.Retaining means requiring destruction of element before separation	337	..Having axially extending bayonet contact
302	..Threaded coupling part	338	.Including movement of coupling part about axis
303	...Requiring destruction of lamp envelope	339	..Threaded coupling part
304	.Including lock for retaining means (e.g., key or combination lock or requiring "special" tool)	340	...With socket contact transversely engaging male threaded part
305	..Magnetically operated latch	341	..Pivotal movement
306	..Threaded coupling part	342	.Including compound movement of coupling part
307	...Having freely rotatable component to prevent unthreading	343	..Including appurtenant means for supporting other structure
308	...Retaining means entirely exterior of coupling part	344	.Having push-pull contacts spaced along only one planar side wall transverse to longitudinal engagement axis (e.g., telephone jack or plug)
309	...Retaining means comprising part of female coupling part	345	.Retaining means
310	.Retaining means with distinct movement-actuating means to move coupling part axially	346	..Adapted to engage contact of mating part
311	..For bayonet (breech) type locking ring	347	..Laterally moving slide
312	.Coupling part with relatively pivotable concentric movement-actuating or retaining ring	348	..Laterally moving roller or ball
		349	..Toroidal band urged radially of connection or adapted to be compressed for retention, e.g., O-ring
313	..Coupling part having appurtenant means for supporting other structure	350	..Finger or stretchable sleeve resiliently urged laterally of connection
314	..Retaining bayonet	351	...Coupling part having appurtenant means for supporting other structure
315	...Having coupling indicating indicia or signal	352	...With additional means to cause or prevent unlatching
316	...Bayonet lug on axially extending finger	353	...Finger inwardly biased during coupling or uncoupling
317	...With means to move ring	354	...Rearwardly extending finger
318	...With means to prevent bayonet release	355	...Plural independent coupling parts
319	...With spring to longitudinally bias movement-actuating or retaining ring	356	...Coupling part comprising lamp or electron tube socket
320	..Threaded ring or ring adapted to engage threaded mating part	357	...Resilient finger
321	...With means to prevent unthreading	358	...With graspable portion
322	...Coupling part having concentric contacts		
323	...Adapter		

Title Change
* Newly Established Subclass

@ Indent Change
& Position Change

MAY 2006

	WITH COUPLING MOVEMENT-ACTUATING MEANS OR RETAINING MEANS IN ADDITION TO CONTACT OF COUPLING PART	392	...With means to cut off excess end of conductor
	.Retaining means	393	...Cutter piercing insulation parallel to conductor axis
359	..Retaining means comprising helically threaded member	394	...Coaxial cable
360	...For lamp or electron tube	395	...Having slot edge for cutting insulation
361	...Including appurtenant means for supporting other structure	396	....With additional diverse sharp cutting edge
362	...Parallel to connection	397	....Contact engages conductor in at least two locations spaced along conductor axis
363	....For retaining tubular conductor in electrical contact	398	....Conductor engaging slot extends through bight of contact
364	....Passing centrally through coupling part	399	....With stress relieving means for conductor to terminal joint
365	....Adapter	400	....With distinct surface holding conductor in slot
366	..Retaining functioning electrical component (e.g., tube, lamp, fuse, battery, etc.)	401	...Contact engages conductor at axial location and engages insulation at second axial location to relieve stress at conductor to terminal joint
367	..Protective enclosure	402	....Single conductive member having plural slots formed by three or more fingers for connecting plural conductors
368	..Single means retaining plural distinct coupling parts and mating parts together	403	....From different margins of contact
369	..For unsupported coupling part and unsupported mating part, (e.g., connecting extension cords)	404	....Plural contacts, each formed by slot between pair of fingers
370	..Resiliently urging coupling part and mating part together	405	....Longitudinally and laterally staggered contacts
371	..Pliable band, conductor sheath engaging means, or adhesive	406	...Contact is portion of elongated channel
372	..Rotatable retaining means, pivotable retaining means, or actuated gripping retaining means	407	....With stress relieving means for conductor to terminal joint
373	..Wall or outlet mounted	408	...More than one conductor in same slot
374	WITH GUIDING MEANS FOR MATING OF COUPLING PART	409	...Pivoting cutter, pivoting means to operate cutter, or pivoting means to move conductor against cutter
375	.Lamp or electron tube socket or base	410	...Pivoting cutter
376	.For constrained pivotal or plural movement coupling	411	...Comprising screw, screw operated cutter, or screw means to move conductor against cutter
377	.For guiding side of movable panel, e.g., circuit board	412	...Screw means to move conductor against cutter
378	.Rodlike guide member extending in coupling direction or tubular passage for receiving rodlike guide member	413	....Single element cutting and connecting plural conductors
379	..With plural contacts circularly disposed about guide opening or rodlike member, e.g., electron tube base	414	....Lamp or electron tube socket or base
380	..Tubular passage receives contact	415	....Screw threads pierce insulation
381	...Bare contact	416	...Piercing means comprising end of screw
382	INCLUDING VIBRATION CUSHIONING OR ABSORBING MEANS	417	...Rectilinearly moving operator
383	.Adapted to fit between opposing faces of mated connectors	418	...Contact member cutting to contact first conductor and contacting second conductor
384	.For supporting connector	419	...Lamp or electron tube socket or base
385	..By gripping mating connector	420	...Flexibly tensioned strap
386	WITH COMMONING MEANS FOR RETURN GROUND	421	...Crimped
387	CONTACT COMPRISING CUTTER (SEVERING, PIERCING, ABRADING, SCRAPING, BREAKING OR TEARING)		
388	.Adapted to engage tapered post (e.g., storage battery terminal)		
389	.Insulation cutter		
390	..Adapted to engage liquid, granular or metallic wool conductor		
391	..Conductor sheath piercing		

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@ Indent Change
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	CONTACT COMPRISING CUTTER (SEVERING, PIERCING, ABRADING, SCRAPING, BREAKING OR TEARING)	460	.Conductor gripped by or entirely within connector housing
	.Insulation cutter	461	..Including longitudinally threaded connector part to effect gripping of conductor
	..Conductor sheath piercing		
	...Crimped	462	...Distinct clamp actuated by threaded connector part
422	....For use with tape cable		
423	....Cutting by peripheral end of sheath encircling crimped contact	463	..Eccentric gripping means
424	....Cutting by stamped out tooth of sheath encircling crimped contact	464	..By pliant, conductor encircling strap
425	...Nail like cutter	465	..Longitudinally divided connector housing grips conductor
426	..Passing through insulation to make contact	466	...With additional contacts comprising coupling part mating along axis normal to conductor
427	.Axially penetrating the elongated conductor	467	...Hinged connector housing parts
428	..Comprising screw or screw operated means	468	..With additional contacts comprising coupling part mating along axis normal to conductor
429	...Screw threads engage conductor	469	..Transverse conductor gripping screw, or with means to transversely move conductor gripping means
430	..Contact permanently secured to a conductor, e.g., crimped, soldered, etc.	470	.Conductor gripped outside connector housing by distinct clamp
431	.Comprising screw, screw operated cutter, or screw means to move conductor against cutter	471	..By pliant conductor encircling strap
432	..Screw operated pivoted cutter	472	..With means to transversely move conductor gripping means
433	..Annular cutter	473	...With additional contacts comprising coupling part mating along axis normal to conductor
434	.Annular cutter	474	INCLUDING OVERSTRESS PREVENTING MEANS
435	.U-shaped clamp	475	.Frangible element
436	.Resiliently biased	476.1	INCLUDING HANDLE OR DISTINCT MANIPULATING MEANS
437	..Finger	477	.For attachment of connector to overhead conductor
438	...Resilient finger	478	..With conductor inside handle or manipulating means
439	....Plural fingers	479	..Including handle operated screw to effect gripping of overhead conductor
440	....Spaced along longitudinal axis of engagement	480	.Distinct manipulating means; e.g., hot stick
441	....Adapted to grip upon withdrawal of mating part	481	.Randomly manipulated implement
442	.Crimped	482	..Test probe
443	.Having slot edge for cutting	483	.Coupling part
444	.Piercing into support structure	484	..Including bale or loop
445	WITH OR HAVING FLEXIBLE GUARD OR SUPPORT FOR CABLE OR CONDUCTOR	485	WITH PROVISION TO DISSIPATE, REMOVE, OR BLOCK THE FLOW OF HEAT
446	.Pivotal	486	.Tube clamp
447	.Resilient	487	.Distinct heat sink
448	..Coil spring concentric with cable or conductor	488	WITH INDICATING OR IDENTIFYING PROVISION
449	WITH STRESS RELIEVING MEANS FOR CONDUCTOR TO TERMINAL JOINT	489	.Connection indicating provision
450	.Drop cord attaching means, e.g., block or rosette	490	..Indicator light
451	.Including provision to attach tether	491	.Distinct indicia bearing member
452	.Including provision to attach to stress bearing portion of conductor	492	INCLUDING OR FOR USE WITH TAPE CABLE
453	.Enlargement engaging means	493	.For connection to rigid preformed panel circuit arrangement, e.g., PCB
454	..Including longitudinally threaded connector part to effect gripping of enlargement	494	.Single cable end into dual rows of contacts
455	..Distinct cable attached enlargement means	495	.With mating connection region formed by bared cable
456	.Curved conductor path		
457	..Means comprising notched or apertured body		
458	...Plate-like body		
459	..Conductor clamping and shaping		

Title Change
* Newly Established Subclass

@ Indent Change
& Position Change

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	INCLUDING OR FOR USE WITH TAPE CABLE	530	..And including electrical contact for load bearing
	.With mating connection region formed by bared cable	531	.Flexible suspension means, e.g., chain or strand
496	..Bared cable wrapped into U-shape about insertion projection	532	.Interfitting with channel or double rail
497	.With shield, ground conductor or ground commoning means	533	.Also supporting mating part
498	.Plural cables to multicontact connector or single cable branching to plural connectors	534	.Universally or pivotally adjustable supporting elements
499	.Including connector housing surrounding cable	535	.Outlet box
500	ENERGY CELL SUBSTITUTION DEVICE INCLUDING PLURAL CONTACTS (E.G., JUMPER) OR WITH SUPPORT MEANS FOR ENERGY CELL	536	.Supporting means comprising face plate or closure member for outlet box
501	WITH STORAGE MEANS FOR FLACCID CONDUCTOR	537	..For ceiling box
502	WITH FLACCID CONDUCTOR AND WITH ADDITIONAL CONNECTOR SPACED THEREALONG	538	.Outlet receptacle mounting flange
503	.Adapted to interconnect vehicles	539	..Yoke
504	.Adapted to connect to a battery	540.1	.Supporting plural, independent coupling parts
505	.And with third connector spaced therealong	541	..Plural lamp or electron tube sockets
506	.Connector comprising pivoted spring biased clamp	541.5	..Stacked right-angle connector for use on printed circuit board (i.e., PCB)
507	JUMPER (OR SHORT CIRCUITING COUPLING PART)	542	.Elongated member supporting connector at its extremity or member for interfitting with such an elongated member
508	.Adapted to be used with power measuring meter	543	..Threaded shaft or tube
509	.Coupling part comprising short circuiting cover or manipulatable supporting means	544	.Coupling part or mating part extending into panel opening
510	.To bridge post-type contacts	545	..With securing by movement of coupling part in plane of panel
511	.Including plural prongs	546	...Movement about connective axis; e.g., bayonet
512	.Including plural female contacts	547	...To preformed panel circuit arrangement
513	.Having spring biased contact	548	...With sealing to panel
514	.Parallel or supplemental nonshielded path	549	...Resilient gripping of panel
515	PARALLEL OR SUPPLEMENTAL NONSHIELDED PATH	550	..With opening encircling retaining collar
516	WITH PROVISION TO ISOLATE CIRCUITRY BY SEVERANCE OF BRIDGING ELEMENT	551	...Concentrically screw threaded collar
517	POWER MEASURING METER COUPLING PART	552	..Including resilient securing
518	COUPLING PART CONVERTIBLE TO DIFFERENT FORMAT BY SUBSTITUTION OF DIFFERENT CONTACT	553	..By resilient member on panel
519	WITH PROVISION TO RESTRICT ENVIRONMENT EFFECTS	554	...Panel circuit arrangement
520	.Sacrificial material	555	...With means to deform or lock resilient means
521	.Including contact cover or case	556	...With sealing to panel
522	..Connector comprising or mating with tapered post, e.g., storage battery terminal	557	...Laterally flexed finger on coupling part
523	..Having elastic or heat shrunk cable grip	558	...Including lamp or electron tube socket
524	CORROSION RESISTANT CONDUCTING MATERIAL OTHER THAN LEAD	559	..With sealing to panel
525	FOR DUAL INLINE PACKAGE (DIP)	560	..Coupling part secured to panel by stressing beyond elastic limit
526	ALIGNING MEANS FOR DUAL INLINE PACKAGE (DIP)	561	...By stressing panel beyond elastic limit
527	WITH SUPPORTING MEANS FOR COUPLING PART	562	..Coupling part including panel engaging shoulder
528	.Nonuse covering means, e.g., connector storage means	563	...Comprising detachable or adjustable flange
529	.And including appurtenant means for supporting other structure	564	...Directly attached to panel by elongated fastener in tension (e.g., rivet, bolt or screw)

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WITH SUPPORTING MEANS FOR COUPLING PART	597	.Having plural, laterally spaced, prongs or prong sockets
.Coupling part or mating part extending into panel opening	598	..Coupling part including shell and assembly of contact and contact supporting insulator
..Coupling part including panel engaging shoulder	599	..And multiple insulating components
565 ...With opposed, cooperating panel engaging member	600	..Having laterally spaced prongs
566 ...For permanent attachment to panel, e.g., by welding	601	...Folded prongs
567 .Having resilient means engaging panel opening	602	.Lamp or electron tube socket or base
568 .Coupling part supported by randomly manipulated appliance (e.g., electric iron)	603	.Retaining contact within distinct coupling part housing
569 .Flange on coupling part	604	WITH EXTERNAL CONDUCTOR OR CABLE EMBEDDED IN INSULATIVE SEALING MATERIAL
570 ..Plural detachable flanges	605	.Lamp or electron tube socket or base
571 .Comprising or for use with supporting panel	606	.Molded connector body
572 ..Conductor extending into panel opening	607	HAVING OR PROVIDING INDUCTIVE OR CAPACITIVE SHIELD
573 ..Directly attached to panel by elongated fastener in tension (e.g., rivet, bolt or screw)	608	.Conductive shielding material individually surrounding or interposed between mutually insulated contacts
574 .Means to clamp	609	.Resilient conductive means providing additional electrical path between mating outer shield members
575 ..Resilient clamp	610	.Having means for electrically connecting shield of shielded cable to connector shield member
576 .To be engaged by suspension means	611	WITH VITREOUS-TYPE ENVELOPE (E.G., BASE OF LAMP OR VACUUM TUBE)
577 COMBINED WITH NONELECTRICAL FEATURE	612	.Connector or contact secured to each end of double-ended envelope
578 INCLUDING OR FOR USE WITH COAXIAL CABLE	613	.Connector of the type having only concentric annular contacts or annular contact disposed concentrically about an axial contact
579 .Having means for interconnecting outer conductors of three or more cables	614	..Having three or more contacts (e.g., for three-way lamp)
580 .For cable having three or more coaxial conductors	615	..Having screw-thread-coupling contact
581 .Adapted to join cable conductors to different type conductors (e.g., to PCB conductors)	616	.Having bayonet-coupling contact
582 .Adapted to secure cables perpendicular to one another or a cable perpendicular to coupling axis	617	.Plug having spaced, longitudinally engaging, prong-like contacts
583 .Having screw-threaded or screw-thread operated cable grip	618	..Having three or more circularly arranged contacts (e.g., base of vacuum tube)
584 ..With radially compressible cable grip	619	.Having only two duplicate contacts arranged bilaterally symmetric about longitudinal axis of engagement
585 .Having crimpable metallic cable conductor grip	* 620.01	WITH CIRCUIT COMPONENT OR COMPRISING CONNECTOR WHICH FULLY ENCLOSES CIRCUIT COMPONENT
586 COUPLING PART INCLUDING FLEXING INSULATION	* 620.02	.Lamp socket or lamp base
587 .Sealing	* 620.03	.Coaxial connector
588 ..Resilient, coupling part encircling jacket	* 620.04	.Termination circuit (usually with resistors)
589 ..Within rigid coupling part shell	* 620.05	.Ferrite (i.e., magnetic core)
590 .Storage strip for a plurality of coupling parts	* 620.06	..For connector mounted on printed circuit board (PCB)
591 .Coupling part for use between duplicate coupling parts (e.g., sandwiched between printed circuit boards)	* 620.07	..Having significant filtering
592 .Insulation distorted by or to effect coupling action		
593 ..Receptacle adapted to bias contact and cause indirect gripping of mating contact		
594 .Resiliently interlocking coupling part with adjacent modular coupling part		
595 .Hinged or flexed detent on insulation engaging to secure contact within coupling part housing		
596 .Coupling part housing hinged for coupling part assembly		

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	WITH CIRCUIT COMPONENT OR COMPRISING CONNECTOR WHICH FULLY ENCLOSES CIRCUIT COMPONENT		MUTUALLY INSULATED CONDUCTORS (E.G., SEISMIC TYPE CABLE)
* 620.08	.Non-fuse excessive current preventer (e.g., varistor, PTC material or circuit breaker, etc.)	625	WITH INSULATION OTHER THAN CONDUCTOR SHEATH
		626	.Plural-contact coupling part
* 620.09	.Capacitive filter (i.e., filter, capacitor, diode adjacent each contact)	627	..For direct simultaneous contact with plural battery or cell terminals
* 620.1	..With housing shield or metal shell	628	..Single-contact connector for interposition between two plural-contact coupling parts (e.g., adaptor)
* 620.11	...Registered jack (RJ) plug or socket		
* 620.12	...Right-angle connector on printed circuit board (PCB)	629	..For coupling to edge of printed circuit board or to coupling part secured to such edge
* 620.13	...Having component (e.g., filter, capacitor, or diode, etc.) integral with or fitted into contact	630	...Having elongated slot for receiving edge of printed circuit board
* 620.14	...Planar filter with openings for contacts	631	....Plural slots for electrically interconnecting plural printed circuit boards
* 620.15	.Connector (e.g., plug, socket, etc.) on printed circuit board (PCB) includes or covers additional component	632	....Providing direct contact between contacts of printed circuit board and different type conductors
* 620.16	..Right-angle connector	633	...Having polarizing means
* 620.17	...Registered jack (RJ) plug or socket	634	...Having multipart insulating body
* 620.18	....Housing having plural registered jack (RJ) plugs or sockets	635	....Relative movement of insulating parts alters contact pressure
* 620.19	....With shield surrounding housing	636	....Contacts within slot engage opposite sides of printed circuit board
* 620.2	..Socket for dual inline package (DIP) or printed circuit board (PCB)	637	....Separate mutually insulated contacts on opposite longitudinal sides of slot
* 620.21	.Connector (e.g., power plug, registered jack (RJ) plug, adapter, outlet box, etc.) with internal component (except fuse)	638	..Two or more plural-contact coupling parts combined in one integral unit
* 620.22	..Component on printed circuit board (PCB) in connection housing	639	...Unit includes three or more diverse types of coupling parts
* 620.23	..Registered jack (RJ) plug or socket	640	...One coupling part of unit repositionable relative to another thereof
* 620.24	.Small component on printed circuit board (PCB) (e.g., 2- or 3-lead component, etc.) capacitor, resistor, or piezoelectric	641	...Unit includes coupling part having screw-thread-coupling contact
* 620.25	..Socket or printed circuit board (PCB) for the small component	642	....Plug having surrounding screw-thread-coupling contact
* 620.26	.With or for fuse	643	....Combined with plural receptacles with each having internal screw-thread coupling contact
* 620.27	..Box with plural fuses (automobile power distribution box)	644	....Combined with receptacle having internal bayonet-coupling contact
* 620.28	..Cylindrical fuse in cylindrical holder	645	....Combined with push-pull-coupling receptacle
* 620.29	..Comprising coupling part housing for enclosing fuse (includes outlet box or faceplate)	646	.....Wherein the receptacle is adapted to receive plug having spaced prong-like contacts
* 620.3	...Fuse enclosed in plug of type having two or three prongs (i.e., standard-type plug used at wall outlets)	647	....Receptacle having internal screw-thread-coupling contact combined with plug having spaced, longitudinally engaging, prong-like contacts
* 620.31	....Plug is an adapter (includes connector for second plug	648	....Plural receptacles with each having screw-thread-coupling contact
* 620.32	....Right-angle plug (wiring at right angle to plug prongs)	649	...Unit includes plural receptacles with each having bayonet-coupling contact
* 620.33	...Fuse with flat coplanar blades or receiver for such fuse		
* 620.34	..Fuse removably held in holder for plug-in step		
623	CABLE COMPOSED OF MUTUALLY INSULATED CONDUCTORS HAVING SEPARATELY CARRIED CONDUCTOR END TERMINALS		
624	PLURAL CONTACTS DISPOSED INTERMEDIATE ENDS OF CABLE HAVING SHEATH ENCLOSING		

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	WITH INSULATION OTHER THAN CONDUCTOR SHEATH	673Having plural bayonet-coupling contacts
	.Plural-contact coupling part	674	.....Polarized
	..Two or more plural-contact coupling parts combined in one integral unit	675	...Having annular, push-pull-engaging contact concentrically disposed about longitudinal axis of engagement
650	...Unit includes receptacle for receiving plug having spaced, longitudinally engaging, prong-like contacts	676	...Having push-pull-engaging contacts spaced along planar side wall transverse to longitudinal engagement axis (e.g., telephone jack or plug)
651	....Combined with plug having spaced, longitudinally engaging, prong-like contacts	677	...Polarized
652	.....Wherein the plug is combined with a plurality of the receptacles adapted to receive spaced-prong plug	678	....By asymmetric disposition or asymmetric shape of duplicate contacts
653	....Combined with diverse type of coupling part	679	....By having or receiving contacts of similar type which are unequal in size or shape
654	....Having receptacle at each of parallel opposed surfaces or sides	680	....By key or guideway
655	...Unit includes plug having spaced, longitudinally engaging, prong-like contacts	681	.....User adjustable key or guideway
656	..With common means securing plural conductors to separate contacts	682	...Receptacle for receiving plug having spaced, longitudinally engaging, prong-like contacts
657	...Screw-thread operated	683	....Adapted to receive base connector of electron tube
658	..Having separate through-passageways for enabling securement of intermediate portion of conductors thereto	684	.....Receptacle body formed of thin, superposed plates or discs of insulation
659	...Coupling part comprises receptacle having internal screw-thread-coupling contact	685	...Having only three prong-receiving recesses arranged to define apices of a triangle
660	..Plural-contact coupling part comprises receptacle or plug	686	....Having multipart insulating body or casing
661	...Having screw-thread-coupling contact	687	.....Divided parallel to longitudinal engagement axis (e.g., formed of two casing halves)
662	....Screw threads formed on cylindrical or annular contact	688	.....Formed of superposed planar sheets or plates of insulation
663	.....Screw-threaded center-contact type	689	.....Planar insulating cover overlying insulating body or casing
664	.....Plug having screw-thread-coupling contact and also having resilient or spring-biased center contact	690	.....Insulating parts secured together by screw-threaded means
665	.....Having mutilated, irregular, interrupted, or discontinuous contact thread	691	...Having additional resilient member cooperating with contact to increase grip on contact of mating plug
666	.....Receptacle having internal screw-thread-coupling contact	692	...Plug having spaced, longitudinally engaging, prong-like contacts
667	.....And also having resilient or spring-biased center contact	693	...With insulative covering about part of protruding portion of each contact
668	...Having only push-pull-engaging contacts spaced along longitudinal axis of engagement (e.g., jack-type receptacle or plug)	694	....Having wire conductor receiving passageway extending perpendicular to longitudinal axes of contacts
669	....Plug having cylindrical or annular contacts of substantially the same diameter (e.g., jack-type plug)	695	...Having multipart insulating body
670	...Having coupling contact requiring successive relative motions in different directions to complete the coupling	696	.....Divided parallel to longitudinal engagement axis (e.g., formed of two casing halves)
671	....Having bayonet-coupling contact	697	...Having means other than screw-threaded means for securing wire-type conductor to contact
672Bayonet-coupling contact comprises cylindrically-shaped ring or shell	698	...Receptacle for transversely receiving elongated fuselike component having contact at each end thereof

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	WITH INSULATION OTHER THAN CONDUCTOR SHEATH	723	.Insulating body with spaced, electrically interconnected, duplicate terminals or contacts
	.Plural-contact coupling part		
	..Plural-contact coupling part comprises receptacle or plug	724	..Modular or multipart insulating body
699.1	...Having only two duplicate contacts arranged bilaterally symmetric about longitudinal axis of engagement	725	..Having movable insulated part for securing conductor or mating connector thereto
699.2	...Lamp-receiving socket	726	..Clamp-type connector for storage battery post
700	...Having spring-biased, plunger-type contact movable along line parallel to longitudinal axis of engagement	727	..Screw-thread-operated securing part
		728	...With spring operating on conductive clamp portion of securing part
		729	..Spring-operated or resilient securing part
701	...Having modular or multipart insulating body	730	.Terminal connector having insulating tube or sleeve adapted to be crimped or heat-shrunk onto wire conductor
702	.Insulating body comprising or for use with cylindrical cap and shell type lamp receptacle casing	731	.Insulating body divided parallel to longitudinal axis of engagement (e.g., formed of two casing halves)
703	..Insulating lining or contact support within separable, metallic cap and shell casing	732	.Interfitting or abutting insulating bodies carried by separate mating connectors
704	..Insulating lining or contact support within metallic cap casing	733.1	.Metallic connector or contact secured to insulation
705	..Insulating lining or contact support within metallic shell casing	734	..Annular or center contact secured to lamp-type insulating receptacle or base
706	..Insulating lining for interior of metallic cap or shell casing	735	...Screw-threaded contact having mutilated, irregular, interrupted, or discontinuous screw thread
707	..Separable insulating cap and shell casing	736	..Secured by heat-molding or cold-deforming insulation or by casting, welding, or cementing
708	.Insulating body providing direct contact or engagement of duplicate terminals or conductors	737	..Secured to insulation by screw-threaded means
709	.Insulating body having plural mutually insulated terminals or contacts (e.g., terminal block)	738	...Insulating tube, sleeve, or cap concentrically surrounding part of connector
710	..Duplicate insulating blocks or boards interconnected by frangible or severable part	739	...Including resilient or spring-biased part for securing wire-conductor or mating connector thereto
711	..With common operator for simultaneously securing separate contacts thereof to separate external contacts or conductors	740	..Secured to insulation by bayonet engagement
712	..Modular or multipart insulating body	741	..Secured by permanently bending, deforming, or crimping metallic part
713	...Relatively movable insulating body parts	742	...Having separate bendable or deformable securing part (e.g., rivet)
714	...Formed of three or more thin, flat, superposed layers, plates, or sheets of insulation	743	...Resilient or spring-biased socket contact or connector
715	...Modular insulating block or board	744	..Secured by resiliently biased part latching behind shoulder or into recess
716	....With support track for receiving plural insulating blocks or boards	745	...Separate latching part secured to contact prior to engagement with insulation
717	....Having integral means to interlock or interfit with a duplicate insulating block or board	746	...Latching part unitary with metallic connector or contact
718	...Having protective cover formed from insulating material	747	....Coupling part type contact inserted into insulation from coupling end
719	..With conductor fanning means		
720	..Terminals or contacts secured by permanently bending or deforming metallic part onto insulation		
721	..Having three or more spaced, electrically interconnected, duplicate terminals or contacts		
722	..Terminals or contacts embedded in insulating body		

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	WITH INSULATION OTHER THAN CONDUCTOR SHEATH	778	.Externally threaded, bifurcated bolt for joining conductors having like cross-sectional shape
	..Metallic connector or contact secured to insulation	779	..With nut retainer
	..Secured by resiliently biased part latching behind shoulder or into recess	780	..With slidable conductive element between conductors
	...Latching part unitary with metallic connector or contact	781	.Bolt or screw between and transverse of parallel conductors
748	....Resilient socket contact for surrounding or engaging opposed surfaces of mating plug contact	782	..With means to maintain assembly of clamp part and bolt or screw
749	.....Adapted to have secured wire conductor extending transverse to longitudinal coupling axis	783	.Cam or wedge between conductors
750	..Insulating tube, sleeve, or cap concentrically surrounding part of connector	784	.Screw-threaded securing means coaxial with elongated conductors joined in axially aligned relationship
751	..Secured by part resiliently gripping insulation	785	.Parallel elongated conductors between and transverse of plural screws (e.g., U-bolt)
752	..Secured by superposition of insulating body parts	786	.Resilient or spring-operated securing means joining plural conductors
752.5	..With guiding means for inserted contact	787	..Conductors secured in duplicate receiving means
753	CYLINDRICAL METALLIC CAP AND SHELL TYPE LAMP RECEPTACLE CASING	788	...With helical spring
754	METALLIC CLAMP-TYPE CONNECTOR FOR STORAGE BATTERY TERMINAL	789	.Hinged jaw type having alignable conductor receiving bores
755	.For threaded-receptacle type terminal flush with battery wall (e.g., for side terminal type battery)	790	.Single operator for securing and joining plural conductors
756	.Common securing means for post and conductor	791	..Single screw-threaded operator
757	.With clamp-to-post joint separator	792	...Conductors secured in direct contact with one another
758	..Clamp secured to and separated from post by same screw-threaded member	793	....Screw axis intersects axes of conductors joined parallel to one another
759	.Spring-actuated or resilient clamp	794	...Conductors secured in duplicate receiving means
760	.With reinforcing insert	795	...Screw-threaded operator circumferentially tensions flexible strap or band
761	.Deformable C- or U-clamp	796	.Duplicate receiving means having independently operated securing means for joining plural conductors
762	..Screw-thread operated	797	..Screw-thread operated securing means for each receiving means
763	...With plural conductor terminals	798	...For joining three or more conductors
764	...With means for removably securing conductor thereto	799	.Circumferentially tensioned flexible strap or band
765	.Screw-thread operated	800	..Tensioning screw intersects longitudinal axis of encircled conductor
766	..Screw or nut coaxial with post	801	.Screw-thread operated securing part
767	..Post between and transverse of plural screws	802	..Screw-threaded lamp-shell type contact having resilient or spring biased securing part
768	..Eye bolt type	803	..C-clamp type
769	..Clamping lever	804	..Single conductor between and transverse of plural screws (e.g., U-bolt)
770	..Clamping cam or wedge	805	..Nut, bolt, or screw coaxial with elongated conductor
771	..Screw axis intersects post axis (e.g., set screw)	806	..Clamping lever
772	.Clamping lever, cam, or wedge	807	..With screw-thread operated cam or wedge
773	..Rotary or swinging cam	808	..With strand coiling or loop forming means
774	..Sliding wedge		
775	METALLIC CONNECTOR OR CONTACT HAVING MOVABLE OR RESILIENT SECURING PART		
776	.Stirrup type for simultaneously securing two spaced-apart locations along the length of a conductor thereto		
777	.Adjustable angular joint between separate connectors or conductor securing means		

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	METALLIC CONNECTOR OR CONTACT HAVING MOVABLE OR RESILIENT SECURING PART	835	..With movably attached user manipulated means or having user grippable means for manually distorting resilient part
809	.Screw-thread operated securing part		
	..With means confining strand or wire loop about screw	836	...Slidably mounted cam or wedge locks or places resilient securing part into securing condition
810	..Screw axis intersects conductor axis (e.g., set screw)		
811	...With movable clamp jaw between conductor and screw or nut (e.g., slidable follower)	837	...With additional spring means to operate slidable cam or wedge
812	....Clamp jaw movably secured to screw or nut	838	...Pivotally or rotatably mounted member locks or places securing part into securing condition
813	...Captive screw or nut	839	..With additional reinforcing spring means
814	...Set screw type	840	..Helically coiled spring forms securing part
815	..Screw or nut moves resilient or resiliently biased securing part	841	...Adapted to receive elongated contact or conductor by insertion along axis passing through spring coils
816	.Spring actuated or resilient securing part	842	..Socket adapted to receive push-pull-engaging elongated contact by insertion along longitudinal axis of contact
817	..Compression spring axis transverse of and intersecting conductor axis		
818	...Spring biases detent member to form snap-latch type securing part	843	...Having separate gripping spring means located within or extending into rigid socket body
819	..Separate spring means moves rigid nonresilient clamping part into securing condition	844	....Adapted to be mounted to flat panel with longitudinal axis of socket perpendicular to plane of panel
820	...Spring biases slidable wedge-shaped or wedge-operated jaw	845	....Adapted to receive thin blade contact (e.g., spade receiving)
821	...Socket connector having three or more annularly arranged duplicate grip elements	846	....Separate spring means forms snap-latching detent
822	...Hinged clamping part (i.e., clamping lever)	847	....Spring means mounted on exterior of and extends into rigid socket body
823	...Socket or pin connector having small radially biased clamping or detenting element	848	...Having latching detent or means operated by mating contact to lock or manipulate resilient part
824	...Spring-biased butt contact	849	....Adapted to receive thin blade contact (e.g., spade receiving)
825	..Plug having means for resiliently engaging opposed interior surfaces of mating socket connector (e.g., banana plug)	850	...Resilient channel-like socket for receiving thin blade contact (e.g., spade receiving)
826	...Also having means for resiliently engaging exterior surfaces of the socket connector	851	...Socket comprises tubular body having resilient means for gripping inserted elongated contact (includes split or slotted tube)
827	...Having separate resilient means extending externally around or outwardly through rigid plug body	852	....Having resilient cantilevered clamping finger located within tubular body
828	..Having resilient clamping finger crossing plane of opposed clamping member while in clamping condition	853	....With means for mounting to flat panel
829	...Hand-grip type	854	....Tubular socket perpendicular to wire-securing barrel (e.g., right-angle connector)
830	..For receiving end contact of elongated fuselike component inserted transverse to longitudinal axis of component (e.g., fuse clip)	855	...Socket perpendicular to wire-securing barrel (e.g., right-angle connector)
831	...With contact rejection feature or adaptor		
832	...With movably attached user manipulated locking, contact retaining, or spring spreading means		
833	...With separate means to increase clamping pressure of spring clip		
834	..Clamping pressure provided by cantilevered finger resiliently urged away from opposed clamping member		

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METALLIC CONNECTOR OR CONTACT HAVING MOVABLE OR RESILIENT SECURING PART	881	.Wire conductor secured transverse to contact portion (e.g., right-angle connector)
.Spring actuated or resilient securing part	882	.Wire conductor secured within ferrule having series of preformed wire gripping means therein
..Socket adapted to receive push-pull-engaging elongated contact by insertion along longitudinal axis of contact	883	METALLIC CONNECTOR OR CONTACT COMPRISING A SLOTTED OR APERTURED DISC OR PLATE
856 ...Having opposed cantilevered clamping fingers resiliently urged toward one another	884	CONTACT TERMINAL
857 ....Allochiral cantilevered clamping fingers	885	.Strip of detachable contacts
858 ...Having cantilevered clamping finger resiliently urged toward rigid clamping jaw	886	.Having treated (e.g., coated) surface or distinct contact surface layer
859 ..Adapted to resiliently engage end face and inner annular shoulder of headed terminal	887	.Of particular metal or alloy
860 ..Comprising conductor-encircling resilient wire loop or comprising slotted or apertured resilient plate	888	.Having provision for retaining to mating wire (e.g., wire wrap)
861 ..Having cantilevered clamping finger resiliently urged toward opposed clamping jaw	889	.Having provision for retaining to mating contact.
862 ..Having cantilevered spring contact finger	890	.For functioning electrical component, (e.g., tube, lamp, fuse, spark plug, etc.)
863 .Clamping cam or wedge	891	.Multipart contact prong
864 ..Rotary or swinging	892	DISTINCT COVERING MEANS
865 METALLIC CONDUCTOR TERMINAL HAVING CONDUCTOR SHEATH ENGAGING MEANS	893	.Covering functioning electrical component (e.g., tube, lamp, fuse, spark plug, etc.)
866 .Pin or plug type terminal	894	MISCELLANEOUS
867 .Resilient or spring-biased socket or clip type terminal		*****
868 .Slotted or apertured disc or plate type terminal (e.g., ring terminal)	901	CROSS-REFERENCE ART COLLECTIONS
869 METALLIC CONNECTOR OR CONTACT HAVING MEANS FOR SECURING TO INSULATION OTHER THAN CONDUCTOR SHEATH	902	*****
870 .Adapted to be secured by permanently bending or deforming metallic part	903	CONNECTOR HOOD OR SHELL
871 .Adapted to be secured by resiliently biased part latching behind shoulder	904	.Angularly disposed contact and conductor
872 ..Latching part unitary with metallic connector or contact	905	.Special latch for insert
873 .Adapted to be secured by part resiliently gripping insulation	906	.Multipart shell
874 METALLIC CONNECTOR OR CONTACT HAVING PART PERMANENTLY SECURED TO CONDUCTOR USING FUSED OR MOLDED MATERIAL	907	..Axially joined sections
875 .Having duplicate locations for permanently securing individual conductors thereto	908	..Longitudinally divided
876 .Adapted to be secured to conductor formed on printed circuit board	909	CONTACT HAVING THREE CONTACT SURFACES, INCLUDING DIVERSE SURFACE
877 METALLIC CONNECTOR OR CONTACT ALSO HAVING SECURING PART ADAPTED TO BE CRIMPED, DEFORMED, OR BENT ONTO CONDUCTOR	910	CONTACT HAVING TWO CONTACT SURFACES FOR ELECTRICAL CONNECTION ON OPPOSITE SIDES OF INSULATIVE BODY
878 .Securing part crimped or bent onto looped end of wire conductor	911	MEDICAL USE OR ATTACHED TO HUMAN BODY
879 .Multipart assembly	912	OBSERVATION AIDE, E.G., TRANSPARENT MATERIAL, WINDOW IN HOUSING
880 .Having duplicate receiving means for permanently securing individual conductors thereto	913	SAFETY, E.G., ELECTRICAL DISCONNECTION REQUIRED BEFORE OPENING HOUSING WITH TESTING MEANS
	914	CONDITION DETERMINING DEVICE, E.G., OXYGEN SENSOR, ACCELEROMETER, IONIZER CHAMBER, THERMOCOUPLE
	915	FOR FLASHBULB OR CAMERA (INCLUDING FLASH CUBE)
	916	AUXILIARY DEVICE FOR EXISTING PLUG ANTENNA
	917	ALARM CIRCUIT, E.G., WINDOW AFFIXED FOIL
	918	MULTILAMP VEHICLE PANEL
	919	FOR TREATMENT BY ELECTRICAL CURRENT, E.G., MAGNET OR BATTERY CHARGER, HEATER, WELDER, ETC.
	920	FOR INTERCONNECTING RIGID PIPELIKE BODIES, E.G., WAVE GUIDES

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| <p>921 TRANSFORMER BUSHING TYPE OR HIGH VOLTAGE UNDERGROUND CONNECTOR</p> <p>922 TELEPHONE SWITCHBOARD PROTECTOR</p> <p>923 SEPARATION OR DISCONNECTION AID</p> <p>924.1 CONTACTS ARRANGED FOR SEQUENTIAL CONNECTION</p> <p>924.2 .With contact preventer to require joining in a given sequence</p> <p>925 FLOOR MOUNTED, E.G., UNDER CARPET</p> <p>926 WITHIN MACHINE CASING OR MOTOR HOUSING (CONNECTOR WITHIN CASING WALL)</p> <p>927 CONDUCTIVE GASKET</p> <p>928 MODULAR ELECTRICALLY INTERENGAGING PARTS, E.G., STOVE WITH REPLACEABLE HEATING ELEMENTS FORMED ON COUPLING PARTS</p> <p>928.1 .Plug-in carrier or adapter for removable component (e.g., "hard drive" for computer)</p> <p>929 CONNECTING BASE PLATE OR SHELF TYPE HOLDER</p> <p>930 COUPLING PART WHEREIN CONTACT IS COMPRISED OF A WIRE OR BRUSH</p> <p>931 CONDUCTIVE COATING</p> <p>932 HEAT SHRINK MATERIAL</p> <p>933 SPECIAL INSULATION</p> <p>934 .High voltage barrier (e.g., surface arcing or corona preventing insulator)</p> <p>935 .Glass or ceramic contact pin holder</p> <p>936 .Potting material or coating (e.g., grease, insulative coating, sealant or, adhesive)</p> <p>937 .Plural insulators in strip form</p> <p>938.1 CATHODIC PROTECTION OF STRUCTURE (E.G., SHIP HULL)</p> <p>939 WITH GROUNDING TO METAL MOUNTING PANEL</p> <p>940 INCLUDING PROVISION FOR MECHANICAL LIFTING OR MANIPULATION (E.G., FOR VACUUM LIFTING)</p> <p>941 CROSSTALK SUPPRESSION</p> <p>942 COMBLIKE RETAINER FOR CONDUCTOR</p> <p>943 INCLUDING PROVISION FOR PRESSING CONTACT INTO PCB HOLE</p> <p>944 COAXIAL CONNECTOR HAVING CIRCUIT-INTERRUPTING PROVISION EFFECTED BY MATING OR HAVING "DEAD" CONTACT ACTIVATED AFTER MATING</p> <p>945 ADAPTER FOR PCB OR CARTRIDGE</p> <p>946 MEMORY CARD CARTRIDGE</p> <p>947 PCB MOUNTED CONNECTOR WITH GROUND TERMINAL</p> <p>948 CONTACT OR CONNECTOR WITH INSERTION DEPTH LIMITER</p> <p>949 JUNCTION BOX WITH BUSBAR FOR PLUG-SOCKET TYPE INTERCONNECTION WITH RECEPTACLE</p> <p>950 ELECTRICAL CONNECTOR ADAPTED TO TRANSMIT ELECTRICITY TO MATING CONNECTOR WITHOUT PHYSICAL CONTACT (E.G., BY INDUCTION, MAGNETISM, OR ELECTROSTATIC FIELD)</p> <p>951 PCB HAVING DETAILED LEADING EDGE</p> <p>952 JUMPER FOR USE WITH SPECIFIC APPARATUS</p> <p>953 WITH LATCH ROD TO BE RETAININGLY RECEIVED BY OPENING OF MATING CONNECTOR</p> | <p>954 SPECIAL ORIENTATION OF ELECTRICAL CONNECTOR</p> <p>955 INCLUDING ELECTRONIC IDENTIFIER OR CODING MEANS</p> <p>956 WITH MEANS TO ALLOW SELECTION OF DIVERSE VOLTAGE OR POLARITY</p> <p>957 AUXILIARY CONTACT PART FOR CIRCUIT ADAPTATION</p> <p>*****</p> <p>FOREIGN ART COLLECTION</p> <p>*****</p> <p>FOR 000 CLASS-RELATED FOREIGN DOCUMENTS</p> |
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Title Change
 * Newly Established Subclass

@ Indent Change
 & Position Change

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

CLASSIFICATION ORDER 1855
May 2, 2006

Project No. E-6776

**SOURCE CLASSIFICATION(S) OF PATENTS
IN NEWLY ESTABLISHED SUBCLASSES REPORT**

New Classification -----	Number Of ORs -----	Source Classification -----	Number Of ORs -----
123/406.11	1	439/620	438
362/157	1	439/620	438
439/620.01	29	439/620	438
439/620.02	8	439/620	438
	1	439/622	114
439/620.03	23	439/620	438
439/620.04	17	439/620	438
	1	439/621	137
	1	439/622	114
439/620.05	28	439/620	438
439/620.06	7	439/620	438
439/620.07	25	439/620	438
439/620.08	18	439/620	438
	1	439/621	137
	3	439/622	114
439/620.09	51	439/620	438
	1	439/621	137
439/620.1	39	439/620	438
439/620.11	8	439/620	438
439/620.12	8	439/620	438
439/620.13	4	439/620	438
439/620.14	7	439/620	438
439/620.15	16	439/620	438
439/620.16	12	439/620	438
439/620.17	15	439/620	438
439/620.18	5	439/620	438
439/620.19	7	439/620	438
439/620.20	1	439/620	438
439/620.21	68	439/620	438
439/620.22	16	439/620	438
439/620.23	9	439/620	438
439/620.24	10	439/620	438
439/620.25	2	439/620	438
439/620.26	2	439/620	438
	61	439/621	137
	5	439/622	114
439/620.27	31	439/621	137
	1	439/622	114
439/620.28	17	439/621	137
	5	439/622	114
439/620.29	10	439/621	137
	34	439/622	114

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CLASSIFICATION ORDER 1855
May 2, 2006

Project No. E-6776

**SOURCE CLASSIFICATION(S) OF PATENTS
IN NEWLY ESTABLISHED SUBCLASSES REPORT**

New Classification -----	Number Of ORs -----	Source Classification -----	Number Of ORs -----
439/620.3	1	439/621	137
	22	439/622	114
439/620.31	1	439/621	137
	14	439/622	114
439/620.32	7	439/622	114
439/620.33	13	439/622	114
439/620.34	13	439/621	137
	8	439/622	114
439/857	1	439/620	438

U.S. DEPARTMENT OF COMMERCE
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CLASSIFICATION ORDER
May 2, 2006

Project No. E-6776

DISPOSITION CLASSIFICATION(S) OF PATENTS
FROM ABOLISHED SUBCLASSES REPORT

Source Classification	Number of ORs	New Classification	Number of ORs
439/620	438	123/406.11	1
		362/157	1
		439/620.01	29
		439/620.02	8
		439/620.03	23
		439/620.04	17
		439/620.05	28
		439/620.06	7
		439/620.07	25
		439/620.08	18
		439/620.09	51
		439/620.1	39
		439/620.11	8
		439/620.12	8
		439/620.13	4
		439/620.14	7
		439/620.15	16
		439/620.16	12
		439/620.17	15
		439/620.18	5
		439/620.19	7
		439/620.20	1
		439/620.21	68
		439/620.22	16
		439/620.23	9
		439/620.24	10
		439/620.25	2
		439/620.26	2
		439/857	1
439/621	137	439/620.04	1
		439/620.08	1
		439/620.09	1
		439/620.26	61
		439/620.27	31
		439/620.28	17
		439/620.29	10
		439/620.3	1
		439/620.31	1
		439/620.34	13

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

CLASSIFICATION ORDER
May 2, 2006

Project No. E-6776

DISPOSITION CLASSIFICATION(S) OF PATENTS
FROM ABOLISHED SUBCLASSES REPORT

Source Classification	Number of ORs	New Classification	Number of ORs
439/622	114	439/620.02	1
		439/620.04	1
		439/620.08	3
		439/620.26	5
		439/620.27	1
		439/620.28	5
		439/620.29	34
		439/620.3	22
		439/620.31	14
		439/620.32	7
		439/620.33	13
		439/620.34	8

MAY 2, 2006

PROJECT NO. E-6776

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

	<u>U. S.</u>		<u>I. P. C.</u>
<u>Class</u>	<u>Subclass</u>	<u>Subclass</u>	<u>Notation</u>
439	620.01-620.09	H01R	13/66
	620.1	H01R	13/66
	620.11-620.19	H01R	13/66
	620.2	H01R	13/66
	620.21-620.25	H01R	13/66
	620.26-620.29	H01R	13/68
	620.3	H01R	13/68
	620.31-620.34	H01R	13/68

D. CHANGES TO THE DEFINITIONS (Project No. E-6776)

CLASS 337 – ELECTRICITY: ELECTROTHERMALLY OR THERMALLY ACTUATED SWITCHES

Definitions Modified: (Place modifications in numerical sequence, where applicable):

Subclass 28: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 439.

Insert:

439, Electrical Connectors, subclass 182 for a lamp or electron tube socket including arc suppressing means, which means may comprise a protective air gap type discharge device; and subclass 620.26 for an electrical connector combined with a named fuse or comprising a casing, housing, or holder for receiving and fully enclosing a fuse.

Subclass 186: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 439.

Insert:

439, Electrical Connectors, subclass 620.26 for an electrical connector combined with a named fuse or comprising a casing, housing, or holder for receiving and fully enclosing a fuse; and subclass 698 for an electrical connector specially adapted to receive and support an elongated fuse-like device, e.g., a cartridge type fuse, etc., having end contacts.

Subclass 195: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 439.

Insert:

- 439, Electrical Connectors, subclass 620.26 for an electrical connector combined with a named fuse or comprising a casing, housing, or holder for receiving and fully enclosing a fuse; subclass 698 for an electrical connector specially adapted and support an elongated fuse-like device having end contacts; and subclasses 830+ for a metallic connector having a resilient securing part designed specifically to receive the end contact of an elongated fuse.

Subclass 197: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 439.

Insert:

- 439, Electrical Connectors, subclass 620.26 for an electrical connector combined with a fuse or comprising a casing, housing, or holder for receiving and fully enclosing a fuse.

Subclass 198: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 439.

Insert:

- 439, Electrical Connectors, subclasses 586+ for an electrical coupling part including flexing insulation; and subclass 620.26 for an electrical connector combined with a fuse or comprising a casing, housing, or holder for receiving and fully enclosing a fuse.

Subclass 216: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 439.

Insert:

- 439, Electrical Connectors, subclass 620.26 for an electrical connector combined with a named fuse or comprising a casing, housing, or holder for receiving and fully enclosing a fuse; and subclass 698 for an electrical connector specially adapted to receive and support an elongated fuse-like device, e.g., a cartridge-type fuse, etc., having end contacts.

Subclass 269: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 439.

Insert:

- 439, Electrical Connectors, subclass 620.26 for an electrical connector combined with a named fuse or comprising a casing, housing, or holder for receiving and fully enclosing a fuse.

Subclass 398: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 439.

Insert:

- 439, Electrical Connectors, subclass 620.26 for an electrical connector combined with a named fuse or comprising a casing, housing, or holder for receiving and fully enclosing a fuse.

CHANGES TO THE DEFINITIONS (Project No. E-6776)

CLASS 361 – ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

Definitions Modified: (Place modifications in numerical sequence, where applicable):

Subclass 306.1: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 439.

Insert:

439, Electrical Connectors, appropriate subclasses for connectors, per se; subclasses 607+ for condenser connector having capacitive shield; and subclasses 620.01-620.34 for filter connectors.

CHANGES TO THE DEFINITIONS (Project No. E-6776)

CLASS 362 – ILLUMINATION

Definitions Modified: (Place modifications in numerical sequence, where applicable):

Subclass 3: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 439.

Insert:

439, Electrical Connectors, subclass 151 for a coupling part connector combined with means to allow repositioning of a mating part for engagement of different contacts on the mating part, e.g., a flash cube, etc.; and subclasses 620.01-620.34 for an electrical connector combined with a named circuit component; and see the notes appended thereto.

CLASS 439 – ELECTRICAL CONNECTORS (Project No. E-6776)

Definitions Abolished:

620-622

Definitions Modified: (Place modifications in numerical sequence, where applicable):

Subclass 612: Under SEE OR SEARCH THIS CLASS, SUBCLASS:

Delete:

The reference to subclasses 621+.

Insert:

620.26, for an electrical connector combined with a named fuse or including a housing for fully enclosing a fuse, which electrical connector may be designed to receive a cartridge-type fuse having a contact at each end thereof.

Definitions Established: (Place established subclasses in numerical sequence.):

620.01 WITH CIRCUIT COMPONENT OR COMPRISING CONNECTOR WHICH FULLY ENCLOSES CIRCUIT COMPONENT:

Subject matter under the class definition including electrical connector either (a) combined with a functioning electrical circuit device; or (b) comprising a holder, casing, or housing adapted to substantially completely surround an unclaimed functioning electrical circuit device, which holder, casing, or housing further carrying at least one contact* for electrically engaging a contact of the circuit device.

- (1) Note. The following functioning electrical circuit devices are specifically excluded from this and the indented subclasses since, for the most part, they are provided for elsewhere within this class (439): energy cells or batteries (both the dry cell and storage types), spark plugs of the type designed for internal combustion engines, lamps, vacuum tubes, interference filters of the type combined or used with contacts of inductively or capacitively shielded connectors, and a power measuring meter coupling part.
- (2) Note. Some examples of functioning electrical circuit devices which may be included herein are: fuses, resistors (including resistive heating elements), capacitors, inductors or coils, transformers relays, switches, transistors, solid-state diodes or rectifiers, transducers (such as earphones, microphones, piezoelectric devices, photocells, etc.), and measuring or detection devices (such as meters, strain gauges, and seismometers).

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 76.1, for housing enclosing printed circuit board.
- 125, for a connector having a spark or glow plug cover.
- 126, for inductive shielding, e.g., radio disturbance, etc.
- 130, for a multicontact internal combustion engine distributor cap or a multicontact mating part therefor.
- 500, for an energy cell substitution device including plural contacts, e.g., jumper, etc., or a connector with support means for a energy cell.
- 517, for a power-measuring meter coupling part.
- 525, for a connector for a dual-in-line package.
- 526, for an aligning means for a dual-in-line package.
- 527, for supporting means for coupling part.
- 607, for an interference-filter-type contact for use in providing inductive or capacitive shielding.
- 611, for vitreous-type envelope, e.g., base of lamp or vacuum tube, etc.
- 754, for a metallic clamp-type connector for a storage battery terminal.
- 890, for a contact terminal for a functioning electrical component.
- 893, for a distinct covering means for covering a functioning electrical component.

620.02 Lamp socket or lamp base:

Subject matter under subclass 620.01 wherein the connector is formed to receive a device that provides illumination or the connector is the support of a device that provides illumination.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 490, for an electrical connector including a lamp that functions as an indicator.
- 611, for lamp bases not in combination with a circuit component.

SEE OR SEARCH CLASS:

- 313, Electric Lamp and Discharge Devices, subclasses 318.01-318.11 with envelope and base.
- 315, Electric Lamp and Discharge Devices: Systems, subclasses 291-311 for current and/or voltage regulation.

620.03 Coaxial connector:

Subject matter under subclass 620.01 wherein the connector has a single centrally located contact and an annular contact surrounding the centrally located contact.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 578, for connector for use with coaxial cables.
- 675, for coaxial connectors.

620.04 Termination circuit (usually with resistors):

Subject matter under subclass 620.01 wherein the connector is used in a circuit to provide impedance at the open position, usually by including resistors in the connector.

SEE OR SEARCH CLASS:

338, Electrical Resistors, subclass 220 for detachable electrical connector.

620.05 Ferrite (i.e., magnetic core):

Subject matter under subclass 620.01 wherein the connector has magnetic properties that are used to prevent electromagnetic interference.

620.06 For connector mounted on printed circuit board (PCB):

Subject matter under subclass 620.05 wherein the connector is fixed upon and electrically joined to a printed circuit board.

620.07 Having significant filtering:

Subject matter under subclass 620.05 wherein the ferrite connector has particular filtering in addition to the ferrite material.

620.08 Non-fuse excessive current preventer (e.g., varistor, PTC material, or circuit breaker, etc.):

Subject matter under subclass 620.01 wherein the connector is intended to block current above a preset level.

(1) Note. Fuses are excluded from this subclass.

SEE OR SEARCH THIS CLASS, SUBCLASS:

181, for connectors with arc suppressing or extinguishing means.

SEE OR SEARCH CLASS:

218, High-Voltage Switches With Arc Preventing or Extinguishing Devices, subclasses 1-158 for arc preventing or extinguishing devices.

361, Electricity: Electrical Systems and Devices, subclasses 1-138 for safety systems and protection of systems and devices.

620.09 Capacitive filter (i.e., filter, capacitor, diode adjacent each contact):

Subject matter under subclass 620.01 wherein the connector blocks the flow of direct current and permits the flow of alternating current at selected frequencies.

SEE OR SEARCH CLASS:

333, Wave Transmission Lines and Networks, subclass 260 for connectors with structures or devices for modifying characteristics of a transmission line.

620.1 With housing shield or metal shell:

Subject matter under subclass 620.09 wherein the connector is formed of an insulating housing surrounded on at least two sides by metallic material that substantially covers the associated housing sides.

SEE OR SEARCH THIS CLASS, SUBCLASS:

607, for connectors having or providing inductive or capacitive shield.

620.11 Registered jack (RJ) plug or socket:

Subject matter under subclass 620.1 wherein the connector includes a rectangular opening with resilient contacts on one side and a latch engaging shoulder on the opposite interior side.

- (1) Note. The term "RJ" stands for "registered jack" and is a general term for electrical connectors. Registered jacks, sometimes described as RJ-XX, are a series of telephone connection interfaces (receptacle and plug) that are registered with the U.S. Federal Communications Commission e.g., RJ-11, RJ-14, RJ-45, etc.

SEE OR SEARCH THIS CLASS, SUBCLASS:

617, for registered jack (RJ) plug or socket in a right-angle connector on a printed circuit board (PCB) that includes or covers an additional component.

620.23, for registered jack (RJ) plug or socket in a connector with an internal component.

620.12 Right-angle connector on printed circuit board (PCB):

Subject matter under subclass 620.1 wherein the connector is adapted to be mounted to a printed circuit board by having mating contacts that are parallel to the plane of the printed circuit board.

SEE OR SEARCH THIS CLASS, SUBCLASS:

620.16, for a right-angle connector on printed circuit board (PCB) including or covering an additional component.

620.13 Having component (e.g., filter, capacitor, or diode, etc.) integral with/or fitted into contact:

Subject matter under subclass 620.1 wherein the connector is directly mounted to or located within a single contact.

620.14 Planar filter with openings for contacts:

Subject matter under subclass 620.1 wherein the connector is formed as a flat member with passages for each one of the associated contacts that block certain frequencies.

620.15 Connector (e.g., plug, socket, etc.) on printed circuit board (PCB) includes or covers additional component:

Subject matter under subclass 620.01 wherein the connector is mounted onto a printed circuit board and supports or is located directly over a component, such as a resistor or a capacitor, that is supplemental to the main function of the connector.

SEE OR SEARCH THIS CLASS, SUBCLASS:

69, where one micro panel circuit (wafer) overlies another micro panel circuit.

620.16 Right-angle connector:

Subject matter under subclass 620.15 wherein the connector is adapted to be mounted to a printed circuit board by having mating contacts that are parallel to the plane of the printed circuit board.

SEE OR SEARCH THIS CLASS, SUBCLASS:

620.12, for a right-angle connector on printed circuit board (PCB) with housing shield or metal shell combined with capacitive filter.

620.17 Registered jack (RJ) plug or socket:

Subject matter under subclass 620.16 wherein the connector includes a rectangular opening with resilient contacts on one side and a latch engaging shoulder on the opposite interior side that is used in telecommunications.

SEE OR SEARCH THIS CLASS, SUBCLASS:

620.11, for registered jack (RJ) plug or socket with housing shield or metal shell and that include a capacitive filter.

620.23, for registered jack (RJ) plug or socket in a connector with an internal component.

620.18 Housing having plural registered jack (RJ) plugs or sockets:

Subject matter under subclass 620.17 wherein the connector has more than one registered jack (RJ) plug or socket.

SEE OR SEARCH THIS CLASS, SUBCLASS:

540.1, for supporting plural, independent coupling parts.

620.19 With shield surrounding housing:

Subject matter under subclass 620.17 wherein the connector is formed of an insulating housing surrounded on at least two sides by metallic material that substantially covers the associated housing walls.

620.2 Socket for dual inline package (DIP) or printed circuit board (PCB):

Subject matter under subclass 620.15 wherein the connector is of the receptacle type and is intended for mating with contacts on a printed circuit board to be inserted edgewise into the receptacle or with contacts of a small panel circuit of the type having straight rows of contacts, the rows located along opposite edges of the panel circuit.

SEE OR SEARCH THIS CLASS, SUBCLASS:

59, for sockets or receiving edges of printed circuit boards.

68, for sockets for DIPs, ICMs, chips, wafers, etc.

70, for dual inline package.

620.21 Connector (e.g., power plug, registered jack (RJ) plug, adapter, outlet box, etc.) with internal component (except fuse):

Subject matter under subclass 620.01 wherein the connector includes an insulative housing that supports contacts, such as prongs or sockets, etc., and the housing surrounds the added electrical component, such as a resistor or capacitor, etc., but the component cannot be a fuse.

SEE OR SEARCH THIS CLASS, SUBCLASS:

490, for connector with lamps as internal components.

SEE OR SEARCH CLASS:

336, Inductor Devices, subclass 107 for connector with inductor or coil. (Also see 336/DIG.)

338, Electrical Resistors, subclass 220 for connector housing with resistor.

363, Electric Power Conversion Systems, subclass 146 for connector with power conversion means.

620.22 Component on printed circuit board (PCB) in connection housing:

Subject matter under subclass 620.21 wherein the connector housing encloses a printed circuit board and the added electrical component is mounted on and electrically joined to the printed circuit board.

SEE OR SEARCH THIS CLASS, SUBCLASS:

76.1, for printed circuit board (PCB) in connector housing.

620.23 Registered jack (RJ) plug or socket:

Subject matter under subclass 620.21 wherein the connector includes a rectangular opening with resilient contacts on one side and a latch engaging shoulder on the opposite interior side.

(1) Note. Usually used in telecommunications.

SEE OR SEARCH THIS CLASS, SUBCLASS:

620.11, for registered jack (RJ) plug or socket with housing shield or metal shell in a capacitive filter.

620.17 for registered jack (RJ) plug or socket in a right-angle connector on printed circuit board (PCB) including or covering an additional component.

620.24 Small component on printed circuit board (PCB) (e.g., 2- or 3-lead component) capacitor, resistor, or piezoelectric, etc.:

Subject matter under subclass 620.01 wherein the connector is mounted onto a printed circuit board and includes contacts for mating engagement with contacts of an electrical component such as a resistor or capacitor.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 68, for micro panel circuit component on printed circuit board (PCB).
- 68 through 73, for connectors for receiving micro panel circuit components, such as integrated circuit modules, etc.
- 500, for energy cell (battery) on printed circuit board (PCB).

620.25 Socket on printed circuit board (PCB) for the small component:

Subject matter under subclass 620.24 wherein the connector includes at least two wall-like portions that are arranged to surround the small component when the small component is electrically joined to the connector.

620.26 With or for fuse:

Electrical connector under subclass 620.01 wherein the functioning electrical circuit device is an electrical safety device comprising a wire or strip of fusible metal that melts and interrupts the circuit when the current exceeds a specified amperage.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 698, for receptacle for transversely receiving elongated fuse-like component having contact at each end.

SEE OR SEARCH CLASS:

- 337, Electricity: Electrothermally or Thermally Actuated Switches, subclasses 186-216 and 227-272 for carriers or holders for fuses.

620.27 Box with plural fuses (automobile power distribution box):

Subject matter under subclass 620.26 wherein the connector includes two or more sets of contacts, each set of contacts arranged for receiving a separate fuse.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 76.2, for automotive junction box.

620.28 Cylindrical fuse in cylindrical holder:

Subject matter under subclass 620.26 wherein the connector is formed in a cylindrical shape and is adapted to receive a fuse having a cylindrical shape with contacts formed at each end as portions of the cylindrical body.

- (1) Note. Excludes fuses of cylindrical shape but with contact blades at each end.

620.29 Comprising coupling part housing for enclosing fuse (includes outlet box or faceplate):

Electrical connector under subclass 620.26 comprising a holder, casing, or housing for supporting and surrounding the fuse component; which holder, casing, or housing also comprises a coupling part* carrying at least two mutually insulated contacts*, the coupling part being specially adapted to mate with a complementary coupling part*.

620.3 Fuse enclosed in plug of type having two or three prongs (i.e., standard-type plug used at wall outlets):

Subject matter under subclass 620.29 wherein the coupling part is an insulative body having two or three longitudinally engaging prong-like contacts on one face and the fuse enclosed in the insulative body.

620.31 Plug is an adapter (includes connector for second plug):

Subject matter under subclass 620.3 wherein the connector is adapted to be disposed between two plural contact coupling parts and provides an intermediate conductive path between contacts of the two coupling parts.

620.32 Right-angle plug (wiring at right angle to plug prongs):

Subject matter under subclass 620.3 wherein the connector has a cable with wiring joined to the prongs of the connector, the cable extending at ninety degrees to the axes of the connector plug prongs.

SEE OR SEARCH THIS CLASS, SUBCLASS:

694, for right-angle plug not in combination with circuit component.

620.33 Fuse with flat coplanar blades or receiver for such fuse:

Subject matter under subclass 620.29 wherein the connector has contacts adapted to receive a fuse having planar terminals at each end of the fuse, the terminals positioned in the same plane.

620.34 Fuse removably held in holder for plug-in step:

Subject matter under subclass 620.26 wherein the connector is a portable insulative body for detachably retaining a fuse and having contacts with ends engaging the terminals of the fuse and other ends manageable into engagement with contacts of a mating connector.

(1) Note. Holder may include pivotally mounted cover.

