INTERRELATED CONNECTORS

RELATIVELY MOVABLE DURING USE

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

86 INCLUDING ELASTOMERIC OR NONMETALLIC CONDUCTIVE PORTION
87 .Rigid carbon conductive member
88 .Inductive shielding or arc suppressing means
89 ..Sealing with coupled connector
90 ..Between parallel conductors
91 .Adapted to be sandwiched between preformed panel circuit arrangements
92 WITH CIRCUIT CONDUCTORS AND SAFETY GROUNDING PROVISION
93 .And means to block access to power contact surface
94 ..Uninterrupted support rail or contact, or for interfitting with uninterrupted support rail or contact
95 .Grounding to connector container or housing
96 ..Pliable conductor for making grounding connection of connector to container
97 ..By means of connector mounting screw
98 .Grounding to conductive sheath of cable
99 ..Portion of connector beneath conductive sheath
100 .Grounding to pipe, rod or conduit
101 ..Direct grounding of coupling part member passing into aperture
102 ..Prong having locking provision, e.g., bayonet
103 ..Movable or removable ground prong
104 ...Pivotal or rotatable about transverse axis
105 ..Adapter
106 ..Three-prong coupling part including ground prong, or receptacle
107 ...Duplex receptacle
108 ..Grounding of coupling part
109 INTERMEDIATE MEMBER BETWEEN PRONG AND ENCOMPASSING PLANAR GROUND
110 UNINTERRUPTED SUPPORT RAIL OR UNINTERRUPTED CONTACT
111 ..Arcuate, bendable or pliant rail or contact
112 ..Circular rail or contact
113 .With access restricting cover
114..Bus duct
115..With means to join tandem rails or tandem contacts
116..With coupling movement-actuating means or retaining means in addition to contact of coupling part
117..Uninterrupted contact accessible by mating contact moving in a first, then a lateral direction
118...Bayonet coupling part movable about axis
119..With mating part having mating connector portion and another connector portion electrically connected thereto, e.g., adapter
120..Molding type; e.g., baseboard
121FOR INTERFITTING WITH UNINTERRUPTED SUPPORT RAIL OR UNINTERRUPTED CONTACT
122..Coupling part with actuating means urging contact surface to move with respect to rest of connector and toward mating contact
123..Molding type; e.g., baseboard
124..Adapter
125HAVING SPARK OR GLOW PLUG COVER
126..Inductive shielding; e.g., radio disturbance
127..With distinct securing means
128..Having removable closure
129MAGNETO POST TYPE
130MULTICONTACT INTERNAL COMBUSTION ENGINE DISTRIBUTOR CAP OR MULTICONTACT MATING PART
131CONNECTOR MOVABLE BETWEEN ACCESSIBLE AND INACCESSIBLE POSITIONS
132..With fluid pressure operating or control means
133WITH UNAUTHORIZED CONNECTION PREVENTER, E.G., KEY OR COMBINATION LOCK
134..Prong cover
135WITH CONTACT PREVENTER OR RETRACTABLE COVER PART
136..Movable mounted
137..Moved by mating connector
138...Moved about an axis
139....Connector moved rectilinearly for engagement, preventer or cover moved about axis parallel to direction of connector movement
140....Connector moved rectilinearly for engagement, preventer or cover moved rectilinearly and parallel thereto
141....Retractable sheath
142..Movable about axis
143...To misalign aperture with contact
144...With connector retaining means in addition to contact of connector
145..Movable to misalign aperture with contact
146..Adapted to fit between contacts of first and second coupled connectors (e.g., power measuring meter)
147..With connector retaining means in addition to contact of connector
148..Dummy connector
149..Prong cover
150..Protector for electron tube pin
151COUPLING PART COMBINED WITH MEANS TO ALLOW REPOSITIONING OF MATING PART FOR ENGAGEMENT WITH DIFFERENT CONTACTS ON MATING PART; E.G., FLASH CUBE WITH COUPLING SEPARATOR
152..Integral retainer and cam separator
153..Including retainer or joiner
154..Destructible retainer
155..Distinct from separator
156..Coaxial contacts, center one comprising separator, e.g., photo flash
157..Integral retainer and cam separator
158..Means to utilize direct fluid action
159..Nonconducting pusher
160..Including handle for direct manual urge to separate
161HEAT RESPONSIVE CONTACT PRESSURE CONTROL WITH RELATIVELY GUIDED MEMBERS AND INTERMEDIATE PLIABLE CONDUCTOR
162..Frangible pliable conductor; e.g., umbilical break-away
163..Relatively movable about axis
164...Moved about an axis
..Hinge

CONVERTIBLE BY INTERNAL CHANGE TO SELECTIVELY COOPERATE WITH A DIFFERENT CONTACT

.Connector for power measuring meter

.Lamp or electron tube socket or base

..Test probe

..Coupling part

..Including repositionable contact

...To nonuse or distinct use (e.g., male/female) position

...To fit differently oriented contact

..Including repositionable contact

..To fit different size contact

FEMALE COUPLING PART CONVERTIBLE TO MALE COUPLING PART BY ADDITION OF PRONG

COUPLING PART CONVERTIBLE TO DISTINCT SHAPE BY ADDITION OF NONREMOVABLE ELEMENT OR BY REMOVAL OF NONREUSABLE ELEMENT

FLUENT CONDUCTING MATERIAL

..Liquid

CONTACT SEPARATION BY SNAP OR QUICK-BREAK ACTION

INCLUDING ARC SUPPRESSING OR EXTINGUISHING MEANS

..Lamp or electron tube socket

..By arc suppressing or extinguishing environment

..Gas

...Gas accommodation by relatively moving parts

..Contact encasing chamber

..Movable relative to contact

HAVING CIRCUIT INTERRUPTING PROVISION EFFECTED BY MATING OR HAVING "DEAD" CONTACT ACTIVATED AFTER MATING

WITH OR COMPRISING REMOVABLE CIRCUIT MODIFYING ARRANGEMENT

HAVING RETAINER OR PASSAGeway FOR FLUENT MATERIAL

..Fluent material transmission line

..Connector electrically joined to line

..For use with line heater

..Electrical connection within line

..Connector/line assembly coupled to mating connector/line assembly by movement about an axis less than 360 degrees

..Liquid material to dissipate, remove, or block the flow of heat

..For urging contact toward or away from mating contact

..Gas retainer

..Liquid retainer

..Impregnated material

..Coupling part having contact encompassed by liquid storage chamber

...Contact comprising tapered post or mating part (e.g., battery post)

..Crimped end terminal

..Encompassing wire

..Passageway allowing escape of fluent material during mating

..Vent

WITH CONDUIT OR DUCT

..Enclosed conductor electrically connected thereto

..Molding type (e.g., baseboard)

..Means to join conduit, duct or conductor sections

..Including receptacle

BUS DUCT

..Means to join bus ducts

COMPRISING COUPLING PART OF INDETERMINATE LENGTH LATERALLY OF CONNECTION

..Included in prefabricated building panel (e.g., floor, ceiling, wall)

..Molding type (e.g., baseboard)

ALTERNATIVELY CONNECTED

..Coupling part

..Test probe

..Lamp or electron tube socket or base

..Contact comprising prong

..Receptacle having distinct openings for distinct prongs

..Receptacle for prong of first lateral dimension or for prong of second lateral dimension

..To receive contact from first direction or from second axially distinct direction

CONTACT TAP BETWEEN NORMALLY ENGAGED COUPLING PARTS
COUPLING PART TO RECEIVE FLUORESCENT OR NEON LAMP

.Having curved tubular envelope

..Plural lamps

..Circular lamp

..With sealing element or material for cooperation with coupled lamp

..With contact for starting switch

..With additional retaining or locking means for coupled connector and lamp

..Removable

..Adjustably mounted

..Plural lamps

..Adapter

..Separately biased connector

..Pivots connector

..With provision for transverse receipt of lamp contact

..By rotation of lamp about axis

..Contact comprising laterally resilient spring finger

..With provision for axial receipt of lamp contact

..Axially biased contact

..Coil spring with provision to utilize conductivity thereof

COUPLING PART HAVING HELICALLY DISPOSED STRANDLIKE CONTACT

SELF ALIGNING CONTACT

..Contact mounted in floating nonconductive holder

..Connector including housing or panel to support holder

..Receptacle having two directly opposed contact arms and open sides between arms

..To receive fuse

..To receive rigid bar type connector, e.g., busbar

..Tubular socket

SCREW COUPLING PART ENGAGED OR DISENGAGED WITHOUT ROTARY MOTION

..Having radially movable thread means

..By axially moving wedge or cam

..Biased toward mating thread

..Socket

COUPLING PART WITH LATCHING MEANS AND TETHER OR EXPLOSIVE TO UNLATCH FROM MATING PART

COUPLING PART WITH ACTUATING MEANS URGING CONTACT TO MOVE LATERALLY WITH RESPECT TO REST OF COUPLING PART AND TOWARD MATING PART

..Having open slot for receiving preformed panel circuit arrangement or tape cable

..Pivots, one portion actuating contact surface, another portion retaining coupling part

..Urge stacked contacts to move with respect to rest of coupling part

..Contractile receptacle

..For dual inline coupling part, e.g., DIP

..Expandable contact or spreadable contacts

COUPLING PART HAVING HANDLE OR MEANS TO MOVE CONTACT LATERALLY TO PERMIT UNCOUPLING

..Having open slot for receiving panel circuit arrangement

..Expandable, prong receiving socket

..To move contact with respect to similar contact

..Comprising laterally movable prong or socket attached to flaccid conductor

..Movable latching prong or latch on prong

WITH SEALING ELEMENT OR MATERIAL FOR COOPERATION WITH COUPLED CONNECTOR, E.G., GASKET

..Sealing element having cross section that is neither circular nor rectangular

..Tapered cross-section

..Combined with distinct cable sheath sealing element or material

..Combined with distinct cable sheath sealing element or material

..Including chamber for contact potting

..With helically threaded coupling movement-actuating means or retaining means in addition to contact of coupling part

HAVING RESILIENT HOUSING FOR SEALING WITH COUPLED CONNECTOR
Combined with distinct cable sheath sealing element or material
Connector comprising lamp or electron tube socket or base
Having interengageable sealing extension
Housing comprising resilient latching means

COUPLED CONNECTOR TO SEALINGLY FIT WITH FIRST CONNECTOR
ADAPTED TO COOPERATE WITH DUPLICATE CONNECTOR
Sequentially connected contacts, e.g., zipper type
Engaged by axial and pivotal movements (e.g., bayonet)
Engaged by lateral movement
Pivotal
Butt coupling
Contact intermeshable with duplicate mating contact
Plural, electrically distinct contacts
With coupling movement retaining means in addition to contact of coupling part
Resilient
With relatively rotatable movement-actuating or retaining ring
Resiliently biased contact

WITH COUPLING MOVEMENT-ACTUATING MEANS OR RETAINING MEANS IN ADDITION TO CONTACT OF COUPLING PART
With guiding means for removable automobile radio or record player
Including resilient latching retaining means
With coupling part retained in connection with mating part by presence of distinct coupling part
Adapter
Retaining means requiring destruction of element before separation
Threaded coupling part
..Requiring destruction of lamp envelope

Including lock for retaining means (e.g., key or combination lock or requiring "special" tool)
..Magnetically operated latch
..Threaded coupling part
...Having freely rotatable component to prevent unthreading
...Retaining means entirely exterior of coupling part
...Retaining means comprising part of female coupling part
...Retention means with distinct movement-actuating means to move coupling part axially
...For bayonet (breech) type locking ring
...Coupling part having appurtenant means for supporting other structure
...Retention bayonet
...Having coupling indicating indicia or signal
...Bayonet lug on axially extending finger
...With means to move ring
...With means to prevent bayonet release
...With spring to longitudinally bias movement-actuating or retaining ring
...Threaded ring or ring adapted to engage threaded mating part
...With means to prevent unthreading
...Coupling part having concentric contacts
...Adapter
..Male contact pin with blockable retaining means at tip, e.g., Modrey
..Coupling part for receiving edge of planar board moving parallel to plane
..With angular mating
..Retention means exterior of slot
..Fingerlike grasping means comprising portion of coupling part
CLASS 439 ELECTRICAL CONNECTORS

For direct connection to a flexible tape or printed circuit board

For dual inline package (DIP)

Movement-actuating or retaining means comprises cover press

Bayonet coupling part movable about its axis

With distinct means to secure movement-actuating or retaining means against movement

Coupling part including appurtenant means for supporting other structure

Comprising cylindrical shell having lug receiving slot

Lamp or electron tube socket

Having axially extending bayonet contact

Including axially extending bayonet contact

Threaded coupling part

With socket contact transversely engaging male threaded part

Pivotal movement

Including compound movement of coupling part

Including appurtenant means for supporting other structure

Having push-pull contacts spaced along only one planar side wall transverse to longitudinal engagement axis (e.g., telephone jack or plug)

Retaining means

Adapted to engage contact of mating part

Laterally moving slide

Laterally moving roller or ball

Toroidal band urged radially of connection or adapted to be compressed for retention, e.g., O-ring

Finger or stretchable sleeve resiliently urged laterally of connection

Coupling part having appurtenant means for supporting other structure

With additional means to cause or prevent unlatching

Finger inwardly biased during coupling or uncoupling

Rearwardly extending finger

Plural independent coupling parts

Coupling part comprising lamp or electron tube socket

Resilient finger

With graspable portion

Retaining means comprising helically threaded member

For lamp or electron tube

Including appurtenant means for supporting other structure

Parallel to connection

For retaining tubular conductor in electrical contact

Passing centrally through coupling part

Adapter

Retaining functioning electrical component (e.g., tube, lamp, fuse, battery, etc.)

Protective enclosure

Single means retaining plural distinct coupling parts and mating parts together

For unsupported coupling part and unsupported mating part, (e.g., connecting extension cords)

Resiliently urging coupling part and mating part together

Pliable band, conductor sheath engaging means, or adhesive

Rotatable retaining means, pivotal retaining means, or actuated gripping retaining means

Wall or outlet mounted

WITH GUIDING MEANS FOR MATING OF COUPLING PART

Lamp or electron tube socket or base

For constrained pivotal or plural movement coupling

For guiding side of movable panel, e.g., circuit board

Rodlike guide member extending in coupling direction or tubular passage for receiving rodlike guide member

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..With plural contacts circularly disposed about guide opening or rodlike member, e.g., electron tube base

..Tubular passage receives contact

..Bare contact

INCLUDING VIBRATION CUSHIONING OR ABSORBING MEANS

.Adapted to fit between opposing faces of mated connectors

.For supporting connector

..By gripping mating connector

WITH COMMONING MEANS FOR RETURN GROUND

CONTACT COMPRISING CUTTER (SEVERING, PIERCING, ABRADING, SCRAPING, BREAKING OR TEARING)

.Adapted to engage tapered post (e.g., storage battery terminal)

..Insulation cutter

..Adapted to engage liquid, granular or metallic wool conductor

..Conductor sheath piercing

...With means to cut off excess end of conductor

...Cutter piercing insulation parallel to conductor axis

...Coaxial cable

...Having slot edge for cutting insulation

....With additional diverse sharp cutting edge

....Contact engages conductor in at least two locations spaced along conductor axis

....Conductor engaging slot extends through bight of contact

....With stress relieving means for conductor to terminal joint

....With distinct surface holding conductor in slot

....Contact engages conductor at axial location and engages insulation at second axial location to relieve stress at conductor to terminal joint

....Single conductive member having plural slots formed by three or more fingers for connecting plural conductors

.....From different margins of contact

....Plural contacts, each formed by slot between pair of fingers

.....Longitudinally and laterally staggered contacts

....Contact is portion of elongated channel

.....With stress relieving means for conductor to terminal joint

....More than one conductor in same slot

....Pivoting cutter, pivoting means to operate cutter, or pivoting means to move conductor against cutter

....Pivoting cutter

....Comprising screw, screw operated cutter, or screw means to move conductor against cutter

....Screw means to move conductor against cutter

.....Single element cutting and connecting plural conductors

.....Lamp or electron tube socket or base

....Screw threads pierce insulation

....Piercing means comprising end of screw

....Rectilinearly moving operator

....Contact member cutting to contact first conductor and contacting second conductor

....Lamp or electron tube socket or base

....Flexibly tensioned strap

....Crimped

....For use with tape cable

....Cutting by peripheral end of sheath encircling crimped contact

....Cutting by stamped out tooth of sheath encircling crimped contact

....Nail like cutter

..Passing through insulation to make contact

.Axially penetrating the elongated conductor

..Comprising screw or screw operated means
...Screw threads engage conductor
..Contact permanently secured to a conductor, e.g., crimped, soldered, etc.
..Comprising screw, screw operated cutter, or screw means to move conductor against cutter
..Screw operated pivoted cutter
..Annular cutter
..Annular cutter
..U-shaped clamp
..Resiliently biased
..Finger
..Resilient finger
...Plural fingers
....Spaced along longitudinal axis of engagement
....Adapted to grip upon withdrawal of mating part
..Crimped
..Having slot edge for cutting
..Piercing into support structure
WITH OR HAVING FLEXIBLE GUARD OR SUPPORT FOR CABLE OR CONDUCTOR
..Pivotal
..Resilient
..Coil spring concentric with cable or conductor
WITH STRESS RELIEVING MEANS FOR CONDUCTOR TO TERMINAL JOINT
..Drop cord attaching means, e.g., block or rosette
..Including provision to attach tether
..Including provision to attach to stress bearing portion of conductor
..Enlargement engaging means
..Including longitudinally threaded connector part to effect gripping of enlargement
..Distinct cable attached enlargement means
..Curved conductor path
..Means comprising notched or apertured body
...Plate-like body
..Conductor clamping and shaping
..Conductor gripped by or entirely within connector housing
..Including longitudinally threaded connector part to effect gripping of conductor
..Distinct clamp actuated by threaded connector part
..Eccentric gripping means
..By pliant, conductor encircling strap
..Longitudinally divided connector housing grips conductor
...With additional contacts comprising coupling part mating along axis normal to conductor
...Hinged connector housing parts
...With additional contacts comprising coupling part mating along axis normal to conductor
..Transverse conductor gripping screw, or with means to transversely move conductor gripping means
.Conductor gripped outside connector housing by distinct clamp
..By pliant conductor encircling strap
...With means to transversely move conductor gripping means
...With additional contacts comprising coupling part mating along axis normal to conductor
INCLUDING OVERSTRESS PREVENTING MEANS
..Frangible element
INCLUDING HANDLE OR DISTINCT MANIPULATING MEANS
..For attachment of connector to overhead conductor
..With conductor inside handle or manipulating means
..Including handle operated screw to effect gripping of overhead conductor
..Distinct manipulating means; e.g., hot stick
..Randomly manipulated implement
..Test probe
..Coupling part
..Including bale or loop
WITH PROVISION TO DISSIPATE, REMOVE, OR BLOCK THE FLOW OF HEAT
..Tube clamp
..Distinct heat sink
WITH INDICATING OR IDENTIFYING PROVISION
CLASS 439 ELECTRICAL CONNECTORS

489 .Connection indicating provision 517 POWER MEASURING METER COUPLING PART
490 ..Indicator light 518 COUPLING PART CONVERTIBLE TO
491 ..Distinct indicia bearing member 519 DIFFERENT FORMAT BY
492 INCLUDING OR FOR USE WITH TAPE 520 SUBSTITUTION OF DIFFERENT
493 CABLE 521 CONTACT
494 .For connection to rigid 522 WITH PROVISION TO RESTRICT
495 preformed panel circuit 523 ENVIRONMENT EFFECTS
496 arrangement, e.g., PCB 524 .Sacrificial material
497 .Single cable end into dual rows 525 .Including contact cover or case
498 of contacts 526 ..Connector comprising or mating
499 .With mating connection region 527 with tapered post, e.g.,
formed by bared cable 528 storage battery terminal
496 ..Bared cable wrapped into U- 529 ..Having elastic or heat shrunk
shape about insertion cable grip
497 .With shield, ground conductor or 530 CORROSION RESISTANT CONDUCTING
ground commoning means 531 MATERIAL OTHER THAN LEAD
498 .Plural cables to multicontact 532 FOR DUAL INLINE PACKAGE (DIP)
connector or single cable 533 ALIGNING MEANS FOR DUAL INLINE
branching to plural connectors 534 PACKAGE (DIP)
499 .Including connector housing 535 WITH SUPPORTING MEANS FOR
surrounding cable 536 COUPLING PART
500 ENERGY CELL SUBSTITUTION DEVICE 537 .Nonuse covering means, e.g.,
INCLUDING PLURAL CONTACTS 538 connector storage means
(E.G., JUMPER) OR WITH SUPPORT 539 .And including appurtenant means
MEANS FOR ENERGY CELL 540 for supporting other structure
501 WITH STORAGE MEANS FOR FLACCID 541 ..And including electrical
CONDUCTOR 542 contact for load bearing
502 WITH FLACCID CONDUCTOR AND WITH 543 .Flexible suspension means, e.g.,
ADDITIONAL CONNECTOR SPACED 544 chain or strand
THEREALONG 545 .Interfiting with channel or
double rail
503 .Adapted to interconnect vehicles 546 .Also supporting mating part
504 .Adapted to connect to a battery 547 .Universally or pivotally
505 .And with third connector spaced adjustable supporting elements
therealong 548 .Outlet box
506 .Connector comprising pivoted 549 ..Supporting means comprising face
spring biased clamp 550 plate or closure member for
507 JUMPER (OR SHORT CIRCUITING 551 outlet box
COUPLING PART) 552 ..For ceiling box
508 .Adapted to be used with power 553 .Outlet receptacle mounting
measuring meter 554 flange
509 .Coupling part comprising short 555 ..Yoke
circuited cover or 540.1 .Supporting plural, independent
manipulable supporting means coupling parts
510 .To bridge post-type contacts 541 ..Plural lamp or electron tube
511 .Including plural prongs 542 sockets
512 .Including plural female contacts 541.5 ..Stacked right-angle connector
513 .Having spring biased contact 543 for use on printed circuit
514 .Parallel or supplemental board (i.e., PCB)
nonshielded path 542 .Elongated member supporting
515 PARALLEL OR SUPPLEMENTAL connector at its extremity or
NONSHIELDED PATH 543 .Threaded shaft or tube
516 WITH PROVISION TO ISOLATE 542 .Elongated member supporting
CIRCUITRY BY SEVERANCE OF connector at its extremity or
BRIDGING ELEMENT 543 member for interfitting with
such an elongated member

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..Coupling part or mating part extending into panel opening

..With securing by movement of coupling part in plane of panel

...Movement about connective axis; e.g., bayonet

....To preformed panel circuit arrangement

....With sealing to panel

....Resilient gripping of panel

..With opening encircling retaining collar

...Concentrally screw threaded collar

..Including resilient securing

...By resilient member on panel

...Panel circuit arrangement

...With means to deform or lock resilient means

...With sealing to panel

...Laterally flexed finger on coupling part

....Including lamp or electron tube socket

..With sealing to panel

..Coupling part secured to panel by stressing beyond elastic limit

...By stressing panel beyond elastic limit

..Coupling part including panel engaging shoulder

...Comprising detachable or adjustable flange

...Directly attached to panel by elongated fastener in tension (e.g., rivet, bolt or screw)

...With opposed, cooperating panel engaging member

...For permanent attachment to panel, e.g., by welding

..Coupling part supported by randomly manipulated appliance (e.g., electric iron)

..Flange on coupling part

..Plural detachable flanges

..Comprising or for use with supporting panel

..Conductor extending into panel opening

..Directly attached to panel by elongated fastener in tension (e.g., rivet, bolt or screw)

..Means to clamp

..Resilient clamp

..To be engaged by suspension means

COMBINED WITH NONELECTRICAL FEATURE

INCLUDING OR FOR USE WITH COAXIAL CABLE

..Having means for interconnecting outer conductors of three or more cables

..For cable having three or more coaxial conductors

..Adapted to join cable conductors to different type conductors (e.g., to PCB conductors)

..Adapted to secure cables perpendicular to one another or a cable perpendicular to coupling axis

..Having screw-threaded or screw-thread operated cable grip

..With radially compressible cable grip

..Having crimpable metallic cable conductor grip

COUPLING PART INCLUDING FLEXING INSULATION

..Sealing

..Resilient, coupling part encircling jacket

..Within rigid coupling part shell

..Storage strip for a plurality of coupling parts

..Coupling part for use between duplicate coupling parts (e.g., sandwiched between printed circuit boards)

..Insulation distorted by or to effect coupling action

..Receptacle adapted to bias contact and cause indirect gripping of mating contact

..Resiliently interlocking coupling part with adjacent modular coupling part

..Hinged or flexed detent on insulation engaging to secure contact within coupling part housing
.Coupling part housing hinged for
coupling part assembly
.Having plural, laterally spaced,
prongs or prong sockets
.Coupling part including shell
and assembly of contact and
contact supporting insulator
.And multiple insulating
components
.Having laterally spaced prongs
.Lamp or electron tube socket or
base
.Retaining contact within
distinct coupling part housing
WITH EXTERNAL CONDUCTOR OR CABLE
EMBEDDED IN INSULATIVE SEALING
MATERIAL
.Lamp or electron tube socket or
base
.Molded connector body
07.01 ELECTROMAGNETIC OR ELECTROSTATIC
SHIELD
.Shield formed of conductive and
dielectric materials in
dielectric (e.g., plastic
coated with metal or filled
with metal particles)
.Conductive coating surround
mutually isolated contacts
.Shield with cutout to receive
shield of mating connector to
reduce field effects
.Shielding individually
surrounding or interposed
between mutually insulated
contacts (i.e., "single"
connector with divider)
.Planar shields separating
multiple (three or more) thin
connector modules
...For mounting on PCB
.Shield with divider wall
separating contacts (includes
wall formed by ground
contacts)
...For mounting on PCB
.Three or more rows and
columns of contact spaces,
formed by shield walls
.Right angle connection on PCB
.Planar shield with openings for
individual contacts
.Shield housing mounted on PCB
07.14 ...Socket for receiving edge type
connector or integrated
circuit
07.15 ..With conductive housing part
separating wires
07.16 ..Vacuum tube socket
07.17 .Resilient conductive means
providing additional
electrical path between mating
outer shield members (e.g.,
spring or gasket)
.Conductive gasket (i.e., flat
gasket or O-ring)
.Conductive spring on exterior
of corresponding shield
.Shield for electro-optical
transceiver
.For plural transceiver housings
.IC card type
..Shield encloses plural
connectors (i.e., modular or
stacked)
..Shield surrounds diverse type
connectors (i.e., surrounds
optical and electrical
connectors)
..Shield with plural ports for
separate mating connectors
.RJ type sockets
..Outer shield surrounds inner
shield (i.e., single connector
with one hollow shield about
another hollow shield)
..With connection of shield to
metal grounding panel
..Expansion card bracket (usually
L-shaped bracket for computer
cards)
..With conductive gasket (e.g.,
flat gasket or O-ring)
..For receiving PCB edge or IC
card as mating member
..Right angle connector on PCB
..For receiving IC card
..With connection of shield to
connector contact
..Shield mounted on printed
circuit board
..Shield surface-mounted to PCB
(i.e., without penetration of
the PCB)
..With separate conductive member
fixing shield to PCB (e.g.,
resilient or threaded latch)
..For RJ socket
607.39 ..Vertically mounted wafer edge connector
607.4 ..Parallel connector on PCB
607.41 .Having means for electrically connecting shield of shielded cable to connector shield member
607.42 ..For armored cable
607.43 ..For RJ plug
607.44 ..With added means connecting cable shield to external structure (i.e., to panel or to terminal block casing)
607.45 ..For cable with two outer shields
607.46 ..Connector with internal PCB (i.e., shield soldered to PCB in housing)
607.47 ..Longitudinally divided shield parts
607.48 ...At least one shield part crimpable to cable shield
607.49 ...For flat cable
607.5 ..Connected to cable shield by crimping
607.51 ...Insulative cover surrounding shield (includes overmolding)
607.52 ..Connected by portion of shield fitting beneath cable shield or by penetration of cable
607.53 ..Shield extends over mating face (i.e., shield at mating face extends between contact openings)
607.54 ..Shield formed by folding
607.55 ..Multi-part shield body
607.56 ..Longitudinally divided shield parts
607.57 ...With insulative cover or overmolding
607.58 ..Insulative cover or overmold surrounds shield
607.59 ..Vacuum tube socket

611 WITH VITREOUS-TYPE ENVELOPE (E.G., BASE OF LAMP OR VACUUM TUBE)
612 ..Connector or contact secured to each end of double-ended envelope
613 ..Connector of the type having only concentric annular contacts or annular contact disposed concentrically about an axial contact
614 ..Having three or more contacts (e.g., for three-way lamp)
615 ..Having screw-thread-coupling contact
616 .Having bayonet-coupling contact
617 ..Plug having spaced, longitudinally engaging, prong-like contacts
618 ..Having three or more circularly arranged contacts (e.g., base of vacuum tube)
619 .Having only two duplicate contacts arranged bilaterally symmetric about longitudinal axis of engagement

620.01 WITH CIRCUIT COMPONENT OR COMPRISING CONNECTOR WHICH FULLY ENCLOSURES CIRCUIT COMPONENT
620.02 .Lamp socket or lamp base
620.03 .Coaxial connector
620.04 .Termination circuit (usually with resistors)
620.05 .Ferrite (i.e., magnetic core)
620.06 ..For connector mounted on printed circuit board (PCB)
620.07 ..Having significant filtering
620.08 ..Non-fuse excessive current preventer (e.g., varistor, PTC material or circuit breaker, etc.)
620.09 .Capacitive filter (i.e., filter, capacitor, diode adjacent each contact)
620.1 ..With housing shield or metal shell
620.11 ...Registered jack (RJ) plug or socket
620.12 ...Right-angle connector on printed circuit board (PCB)
620.13 ...Having component (e.g., filter, capacitor, or diode, etc.) integral with or fitted into contact
620.14 ...Planar filter with openings for contacts
620.15 ..Connector (e.g., plug, socket, etc.) on printed circuit board (PCB) includes or covers additional component
620.16 ..Right-angle connector
620.17 ...Registered jack (RJ) plug or socket

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620.18 ....Housing having plural registered jack (RJ) plugs or sockets
620.19 ....With shield surrounding housing
620.2 ..Socket for dual inline package (DIP) or printed circuit board (PCB)
620.21 .Connector (e.g., power plug, registered jack (RJ) plug, adapter, outlet box, etc.) with internal component (except fuse)
620.22 ..Component on printed circuit board (PCB) in connection housing
620.23 ..Registered jack (RJ) plug or socket
620.24 ..Small component on printed circuit board (PCB) (e.g., 2- or 3-lead component, etc.) capacitor, resistor, or piezoelectric
620.25 ..Socket or printed circuit board (PCB) for the small component
620.26 ..With or for fuse
620.27 ..Box with plural fuses (automobile power distribution box)
620.28 ..Cylindrical fuse in cylindrical holder
620.29 ..Comprising coupling part housing for enclosing fuse (includes outlet box or faceplate)
620.3 ...Fuse enclosed in plug of type having two or three prongs (i.e., standard-type plug used at wall outlets)
620.31 ....Plug is an adapter (includes connector for second plug
620.32 ....Right-angle plug (wiring at right angle to plug prongs)
620.33 ....Fuse with flat coplanar blades or receiver for such fuse
620.34 ..Fuse removably held in holder for plug-in step

WITH INSULATION OTHER THAN CONDUCTOR SHEATH
625 .Plural-contact coupling part
626 ..For direct simultaneous contact with plural battery or cell terminals
627 ..Single-contact connector for interposition between two plural-contact coupling parts (e.g., adaptor)
628 ..For coupling to edge of printed circuit board or to coupling part secured to such edge
629 ...Having elongated slot for receiving edge of printed circuit board
630 ....Plural slots for electrically interconnecting plural printed circuit boards
631 ...Providing direct contact between contacts of printed circuit board and different type conductors
632 ....Having polarizing means
633 ....Having multipart insulating body
634 ....Relative movement of insulating parts alters contact pressure
635 ....Contacts within slot engage opposite sides of printed circuit board
636 ......Separate mutually insulated contacts on opposite longitudinal sides of slot
637 ......Two or more plural-contact coupling parts combined in one integral unit
638 ......Unit includes three or more diverse types of coupling parts
639 ......One coupling part of unit repositionable relative to another thereof
640 ......Unit includes coupling part having screw-thread-coupling contact
641 ....Plug having surrounding screw-thread-coupling contact
642 ......Combined with plural receptacles with each having internal screw-thread coupling contact
643 ......Combined with receptacle having internal bayonet-coupling contact
644

CABLE COMPOSED OF MUTUALLY INSULATED CONDUCTORS HAVING SEPARATELY CARRIED CONDUCTOR END TERMINALS
623
624 PLURAL CONTACTS DISPOSED
INTERMEDIATE ENDS OF CABLE HAVING SHEATH ENCLOSING MUTUALLY INSULATED CONDUCTORS (E.G., SEISMIC TYPE CABLE)
625

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Combined with push-pull-coupling receptacle

Wherein the receptacle is adapted to receive plug having spaced prong-like contacts

Receptacle having internal screw-thread-coupling contact combined with plug having spaced, longitudinally engaging, prong-like contacts

Plural receptacles with each having screw-thread-coupling contact

Unit includes plural receptacles with each having bayonet-coupling contact

Unit includes receptacle for receiving plug having spaced, longitudinally engaging, prong-like contacts

Combined with plug having spaced, longitudinally engaging, prong-like contacts

Wherein the plug is combined with a plurality of the receptacles adapted to receive spaced-prong plug

Combined with diverse type of coupling part

Having receptacle at each of parallel opposed surfaces or sides

Unit includes plug having spaced, longitudinally engaging, prong-like contacts

With common means securing plural conductors to separate contacts

Screw-thread operated

Having separate through-passageways for enabling securement of intermediate portion of conductors thereto

Coupling part comprises receptacle having internal screw-thread-coupling contact

Plural-contact coupling part comprises receptacle or plug

Having screw-thread-coupling contact

Screw threads formed on cylindrical or annular contact

Screw-threaded center-contact type

Plug having screw-thread-coupling contact and also having resilient or spring-biased center contact

Having mutilated, irregular, interrupted, or discontinuous contact thread

Receptacle having internal screw-thread-coupling contact

And also having resilient or spring-biased center contact

Having only push-pull-engaging contacts spaced along longitudinal axis of engagement (e.g., jack-type receptacle or plug)

Plug having cylindrical or annular contacts of substantially the same diameter (e.g., jack-type plug)

Having coupling contact requiring successive relative motions in different directions to complete the coupling

Having bayonet-coupling contact

Bayonet-coupling contact comprises cylindrically-shaped ring or shell

Having plural bayonet-coupling contacts

Polarized

Having annular, push-pull-engaging contact concentrically disposed about longitudinal axis of engagement

Having push-pull-engaging contacts spaced along planar side wall transverse to longitudinal engagement axis (e.g., telephone jack or plug)

Polarized

By asymmetric disposition or asymmetric shape of duplicate contacts

By having or receiving contacts of similar type which are unequal in size or shape

By key or guideway

User adjustable key or guideway
...Receptacle for receiving plug having spaced, longitudinally engaging, prong-like contacts

...Adapted to receive base connector of electron tube

...Receptacle body formed of thin, superposed plates or discs of insulation

...Having only three prong-receiving recesses arranged to define apices of a triangle

...Having multipart insulating body or casing

......Divided parallel to longitudinal engagement axis (e.g., formed of two casing halves)

......Formed of superposed planar sheets or plates of insulation

......Planar insulating cover overlying insulating body or casing

......Insulating parts secured together by screw-threaded means

......Having additional resilient member cooperating with contact to increase grip on contact of mating plug

...Plug having spaced, longitudinally engaging, prong-like contacts

......With insulative covering about part of protruding portion of each contact

......Having wire conductor receiving passageway extending perpendicular to longitudinal axes of contacts

......Having multipart insulating body

......Divided parallel to longitudinal engagement axis (e.g., formed of two casing halves)

......Having means other than screw-threaded means for securing wire-type conductor to contact

...Receptacle for transversely receiving elongated fuselike component having contact at each end thereof

...Having only two duplicate contacts arranged bilaterally symmetric about longitudinal axis of engagement

...Lamp-receiving socket

...Having spring-biased, plunger-type contact movable along line parallel to longitudinal axis of engagement

...Having modular or multipart insulating body

...Insulating body comprising or for use with cylindrical cap and shell type lamp receptacle casing

...Insulating lining or contact support within separable, metallic cap and shell casing

...Insulating lining or contact support within metallic cap casing

...Insulating lining or contact support within metallic shell casing

...Insulating lining for interior of metallic cap or shell casing

...Separable insulating cap and shell casing

...Insulating body providing direct contact or engagement of duplicate terminals or conductors

...Insulating body having plural mutually insulated terminals or contacts (e.g., terminal block)

...Duplicate insulating blocks or boards interconnected by frangible or severable part

...With common operator for simultaneously securing separate contacts thereof to separate external contacts or conductors

...Modular or multipart insulating body

...Relatively movable insulating body parts

...Formed of three or more thin, flat, superposed layers, plates, or sheets of insulation

...Modular insulating block or board
...With support track for receiving plural insulating blocks or boards

...Having integral means to interlock or interfit with a duplicate insulating block or board

...Having protective cover formed from insulating material

..With conductor fanning means

..Terminals or contacts secured by permanently bending or deforming metallic part onto insulation

...Having three or more spaced, electrically interconnected, duplicate terminals or contacts

..Terminals or contacts embedded in insulating body

..Insulating body with spaced, electrically interconnected, duplicate terminals or contacts

..Modular or multipart insulating body

..Having movable insulated part for securing conductor or mating connector thereto

..Clamp-type connector for storage battery post

..Screw-thread-operated securing part

...With spring operating on conductive clamp portion of securing part

...Spring-operated or resilient securing part

..Terminal connector having insulating tube or sleeve adapted to be crimped or heat-shrunk onto wire conductor

..Insulating body divided parallel to longitudinal axis of engagement (e.g., formed of two casing halves)

..Interfitting or abutting insulating bodies carried by separate mating connectors

..Metallic connector or contact secured to insulation

..Annular or center contact secured to lamp-type insulating receptacle or base

...Screw-threaded contact having mutilated, irregular, interrupted, or discontinuous screw thread

..Secured by heat-molding or cold-deforming insulation or by casting, welding, or cementing

..Secured to insulation by screw-threaded means

...Insulating tube, sleeve, or cap concentrically surrounding part of connector

...Including resilient or spring-biased part for securing wire-conductor or mating connector thereto

..Secured to insulation by bayonet engagement

..Secured by permanently bending, deforming, or crimping metallic part

...Having separate bendable or deformable securing part (e.g., rivet)

...Resilient or spring-biased socket contact or connector

..Secured by resiliently biased part latching behind shoulder or into recess

...Separate latching part secured to contact prior to engagement with insulation

...Latching part unitary with metallic connector or contact

....Coupling part type contact inserted into insulation from coupling end

....Resilient socket contact for surrounding or engaging opposed surfaces of mating plug contact

.....Adapted to have secured wire conductor extending transverse to longitudinal coupling axis

..Insulating tube, sleeve, or cap concentrically surrounding part of connector

..Secured by part resiliently gripping insulation

..Secured by superposition of insulating body parts

..With guiding means for inserted contact

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CLASS 439 ELECTRICAL CONNECTORS

753 CYLINDRICAL METALLIC CAP AND SHELL TYPE LAMP RECEPTACLE CASING

754 METALLIC CLAMP-TYPE CONNECTOR FOR STORAGE BATTERY TERMINAL

755 For threaded-receptacle type terminal flush with battery wall (e.g., for side terminal type battery)

756 Common securing means for post and conductor

757 Clamp secured to and separated from post by same screw-threaded member

758 Spring-actuated or resilient clamp

759 With reinforcing insert

760 Deformable C- or U-clamp

761 Screw-thread operated

762 With plural conductor terminals

763 With means for removably securing conductor thereto

764 Screw-thread operated

765 Screw or nut coaxial with post

766 Post between and transverse of plural screws

767 Eye bolt type

768 Clamping cam or wedge

769 Screw axis intersects post axis (e.g., set screw)

770 Clamping lever, cam, or wedge

771 Rotary or swinging cam

772 Sliding wedge

773 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

778 Externally threaded, bifurcated bolt for joining conductors having like cross-sectional shape

779 With nut retainer

780 With slidable conductive element between conductors

781 Bolt or screw between and transverse of parallel conductors

782 With means to maintain assembly of clamp part and bolt or screw

783 Cam or wedge between conductors

784 Screw-threaded securing means coaxial with elongated conductors joined in axially aligned relationship

785 Parallel elongated conductors between and transverse of plural screws (e.g., U-bolt)

786 Resilient or spring-operated securing means joining plural conductors

787 Conductors secured in duplicate receiving means

788 With helical spring

789 Hinged jaw type having alignable conductor receiving bores

790 Single operator for securing and joining plural conductors

791 Single screw-threaded operator

792 Conductors secured in direct contact with one another

793 Single screw axis intersects axes of conductors joined parallel to one another

794 Conductors secured in duplicate receiving means

795 Screw-threaded operator circumferentially tensions flexible strap or band

796 Duplicate receiving means having independently operated securing means for joining plural conductors

797 Screw-thread operated securing means for each receiving means

798 For joining three or more conductors

799 Circumferentially tensioned flexible strap or band

800 Tensioning screw intersects longitudinal axis of encircled conductor

801 Screw-thread operated securing part

802 Screw-threaded lamp-shell type contact having resilient or spring biased securing part

803 C-clamp type
Single conductor between and transverse of plural screws (e.g., U-bolt)  
Nut, bolt, or screw coaxial with elongated conductor  
Clamping lever  
With screw-thread operated cam or wedge  
With strand coiling or loop forming means  
With means confining strand or wire loop about screw  
Screw axis intersects conductor axis (e.g., set screw)  
With movable clamp jaw between conductor and screw or nut (e.g., slidable follower)  
Clamp jaw movably secured to screw or nut  
Captive screw or nut  
Set screw type  
Screw or nut moves resilient or resiliently biased securing part  
Spring actuated or resilient securing part  
Compression spring axis transverse of and intersecting conductor axis  
Spring biases detent member to form snap-latch type securing part  
Separate spring means moves rigid nonresilient clamping part into securing condition  
Spring biases slidable wedge-shaped or wedge-operated jaw  
Socket connector having three or more annularly arranged duplicate grip elements  
Hinged clamping part (i.e., clamping lever)  
Socket or pin connector having small radially biased clamping or detenting element  
Spring-biased butt contact  
Plug having means for resiliently engaging opposed interior surfaces of mating socket connector (e.g., banana plug)  
Also having means for resiliently engaging exterior surfaces of the socket connector  
Having separate resilient means extending externally around or outwardly through rigid plug body  
Having resilient clamping finger crossing plane of opposed clamping member while in clamping condition  
Hand-grip type  
For receiving end contact of elongated fuselike component inserted transverse to longitudinal axis of component (e.g., fuse clip)  
With contact rejection feature or adaptor  
With movably attached user manipulated locking, contact retaining, or spring spreading means  
With separate means to increase clamping pressure of spring clip  
Clamping pressure provided by cantilevered finger resiliently urged away from opposed clamping member  
With movably attached user manipulated means or having user grippable means for manually distorting resilient part  
Slidably mounted cam or wedge locks or places resilient securing part into securing condition  
With additional spring means to operate slidable cam or wedge  
Pivotally or rotatably mounted member locks or places securing part into securing condition  
With additional reinforcing spring means  
Helically coiled spring forms securing part  
Adapted to receive elongated contact or conductor by insertion along axis passing through spring coils  
Socket adapted to receive push-pull-engaging elongated contact by insertion along longitudinal axis of contact
CLASS 439 ELECTRICAL CONNECTORS

843 ...Having separate gripping spring means located within or extending into rigid socket body

844 ...Adapted to be mounted to flat panel with longitudinal axis of socket perpendicular to plane of panel

845 ...Adapted to receive thin blade contact (e.g., spade receiving)

846 ...Separate spring means forms snap-latching detent

847 ...Spring means mounted on exterior of and extends into rigid socket body

848 ...Having latching detent or means operated by mating contact to lock or manipulate resilient part

849 ...Adapted to receive thin blade contact (e.g., spade receiving)

850 ...Resilient channel-like socket for receiving thin blade contact (e.g., spade receiving)

851 ...Socket comprises tubular body having resilient means for gripping inserted elongated contact (includes split or slotted tube)

852 ...Having resilient cantilevered clamping finger located within tubular body

853 ...With means for mounting to flat panel

854 ...Tubular socket perpendicular to wire-securing barrel (e.g., right-angle connector)

855 ...Socket perpendicular to wire-securing barrel (e.g., right-angle connector)

856 ...Having opposed cantilevered clamping fingers resiliently urged toward one another

857 ...Allochiral cantilevered clamping fingers

858 ...Having cantilevered clamping finger resiliently urged toward rigid clamping jaw

859 ...Adapted to resiliently engage end face and inner annular shoulder of headed terminal

860 ...Comprising conductor-encircling resilient wire loop or comprising slotted or apertured resilient plate

861 ...Having cantilevered clamping finger resiliently urged toward opposed clamping jaw

862 ...Having cantilevered spring contact finger

863 ...Clamping cam or wedge

864 ...Rotary or swinging

METALLIC CONDUCTOR TERMINAL
HAVING CONDUCTOR SHEATH ENGAGING MEANS

865 ...Pin or plug type terminal

866 ...Resilient or spring-biased socket or clip type terminal

867 ...Slotted or apertured disc or plate type terminal (e.g., ring terminal)

METALLIC CONNECTOR OR CONTACT HAVING MEANS FOR SECURING TO INSULATION OTHER THAN CONDUCTOR SHEATH

868 ...Adapted to be secured by permanently bending or deforming metallic part

869 ...Adapted to be secured by resiliently biased part latching behind shoulder

870 ...Latching part unitary with metallic connector or contact

871 ...Adapted to be secured by part resiliently gripping insulation

METALLIC CONNECTOR OR CONTACT HAVING PART PERMANENTLY SECURED TO CONDUCTOR USING FUSED OR MOLDED MATERIAL

872 ...Having duplicate locations for permanently securing individual conductors thereto

873 ...Adapted to be secured to conductor formed on printed circuit board

METALLIC CONNECTOR OR CONTACT ALSO HAVING SECURING PART ADAPTED TO BE CRIMPED, DEFORMED, OR BENT ONTO CONDUCTOR

874 ...Securing part crimped or bent onto looped end of wire conductor

875 ...Multipart assembly
.Having duplicate receiving means for permanently securing individual conductors thereto

.Wire conductor secured transverse to contact portion (e.g., right-angle connector)

.Wire conductor secured within ferrule having series of preformed wire gripping means therein

METALLIC CONNECTOR OR CONTACT COMPRISING A SLOTTED OR APERTURED DISC OR PLATE

CONTACT TERMINAL

.Strip of detachable contacts

.Having treated (e.g., coated) surface or distinct contact surface layer

.Of particular metal or alloy

.Having provision for retaining to mating wire (e.g., wire wrap)

.Having provision for retaining to mating contact

.For functioning electrical component, (e.g., tube, lamp, fuse, spark plug, etc.)

.Multipart contact prong

DISTINCT COVERING MEANS

.Covering functioning electrical component (e.g., tube, lamp, fuse, spark plug, etc.)

MISCELLANEOUS

OBSERVATION AIDE, E.G., TRANSPARENT MATERIAL, WINDOW IN HOUSING

SAFETY, E.G., ELECTRICAL DISCONNECTION REQUIRED BEFORE OPENING HOUSING

CONDITION DETERMINING DEVICE, E.G., OXYGEN SENSOR, ACCELEROMETER, IONIZER CHAMBER, THERMOCOUPLE

FOR FLASHBULB OR CAMERA (INCLUDING FLASH CUBE)

AUXILIARY DEVICE FOR EXISTING PLUG ANTENNA

ALARM CIRCUIT, E.G., WINDOW AFFIXED FOIL

MULTILAMP VEHICLE PANEL

FOR TREATMENT BY ELECTRICAL CURRENT, E.G., MAGNET OR BATTERY CHARGER, HEATER, WELDER, ETC.

FOR INTERCONNECTING RIGID PIPELIKE BODIES, E.G., WAVE GUIDES

TRANSFORMER BUSHING TYPE OR HIGH VOLTAGE UNDERGROUND CONNECTOR

TELEPHONE SWITCHBOARD PROTECTOR

SEPARATION OR DISCONNECTION AID

CONTACTS ARRANGED FOR SEQUENTIAL CONNECTION

.FLOOR MOUNTED, E.G., UNDER CARPET WITHIN MACHINE CASING OR MOTOR HOUSING (CONNECTOR WITHIN CASING WALL)

CONDUCTIVE GASKET

MODULAR ELECTRICALLY INTERENGAGING PARTS, E.G., STOVE WITH REPLACEABLE HEATING ELEMENTS FORMED ON COUPLING PARTS

.CONNECTING BASE PLATE OR SHELF TYPE HOLDER

COUPLING PART WHEREIN CONTACT IS COMPRISED OF A WIRE OR BRUSH CONDUCTIVE COATING

HEAT SHRINK MATERIAL

SPECIAL INSULATION
934 .High voltage barrier (e.g., surface arcing or corona preventing insulator)
935 .Glass or ceramic contact pin holder
936 .Potting material or coating (e.g., grease, insulative coating, sealant or, adhesive)
937 .Plural insulators in strip form
938 .CATHODIC PROTECTION OF STRUCTURE (E.G., SHIP HULL) WITH GROUNDING TO METAL MOUNTING PANEL INCLUDING PROVISION FOR MECHANICAL LIFTING OR MANIPULATION (E.G., FOR VACUUM LIFTING)
939 CROSSTALK SUPPRESSION
940 COMBLIKE RETAINER FOR CONDUCTOR INCLUDING PROVISION FOR PRESSING CONTACT INTO PCB HOLE
941 COAXIAL CONNECTOR HAVING CIRCUIT-INTERRUPTING PROVISION EFFECTED BY MATING OR HAVING "DEAD" CONTACT ACTIVATED AFTER MATING ADAPTER FOR PCB OR CARTRIDGE MEMORY CARD CARTRIDGE PCB MOUNTED CONNECTOR WITH GROUND TERMINAL CONTACT OR CONNECTOR WITH INSERTION DEPTH LIMITER JUNCTION BOX WITH BUSBAR FOR PLUG-SOCKET TYPE INTERCONNECTION WITH RECEPTACLE ELECTRICAL CONNECTOR ADAPTED TO TRANSMIT ELECTRICITY TO MATING CONNECTOR WITHOUT PHYSICAL CONTACT (E.G., BY INDUCTION, MAGNETISM, OR ELECTROSTATIC FIELD) PCB HAVING DETAILED LEADING EDGE JUMPER FOR USE WITH SPECIFIC APPARATUS WITH LATCH ROD TO BE RETAININGLY RECEIVED BY OPENING OF MATING CONNECTOR SPECIAL ORIENTATION OF ELECTRICAL CONNECTOR INCLUDING ELECTRONIC IDENTIFIER OR CODING MEANS WITH MEANS TO ALLOW SELECTION OF DIVERSE VOLTAGE OR POLARITY
957 AUXILIARY CONTACT PART FOR CIRCUIT ADAPTATION

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 Collections 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.

FOR 100 WITH CIRCUIT COMPONENT OR COMPRISING CONNECTOR WHICH FULLY ENCIRCLES CIRCUIT COMPONENT (439/620)
FOR 101 .With or for fuse (439/621)
FOR 102 ..Comprising coupling part housing for enclosing fuse (439/622)
FOR 103 HAVING OR PROVIDING INDUCTIVE OR CAPACITIVE SHIELD (439/607)
FOR 104 .Conductive shielding material individually surrounding or interposed between mutually insulated contacts (439/608)
FOR 105 .Resilient conductive means providing additional electrical path between mating outer shield members (439/609)
FOR 106 .Having means for electrically connecting shield of shielded cable to connector shield member (439/610)