

Search history

Search IC=(H01R4) (Results 100690)
1:
Search 1 and ((interior or inner) near wall) (Results 6333)
2:
Search 2 and hole* (Results 3531)
3:
Search 3 and bolt* (Results 776)
4:
Search 4 and diameter (Results 425)
5:
Search 5 and length (Results 292)
6:
Search 6 and (isolation or insulating) (Results 181)
7:
Search 7 and connector (Results 141)
8:
Search 8 and PD<20181207 (Results 141)
9:
Search PN=(WO2013036494) (Results 1)
10:
Search [SP]: electrical connector, an insert for an electrical connector and an electrical assembly an electrical connector, an insert for an electrical connector, and an electrical assembly are disclosed. the electrical connector includes a conductive housing and a conductive insert positioned within the conductive housing. the conductive housing includes a configuration for receiving a conductor and being in electrical communication with the conductor through the insert. (Results 500)
11:
Search 11 and ((interior or inner) near wall) (Results 181)
12:
Search 12 and (isolation or insulating) (Results 139)
13:
Search 13 and hole* (Results 120)
14:
Search 14 and bolt* (Results 50)
15:
Search 14 and (connect* near (cable* or wire*)) (Results 105)
16:
Search 15 and (connect* near (cable* or wire*)) (Results 46)
17:
Search 17 and PD<20181207 (Results 46)
18:
Search RF=(NC20180013299) (Results 5)
19:

Title: CABLE FLUID INJECTION SLEEVE

Abstract: A connector for repairing and connecting at least one section of a first electrical cable having an outer surface, an interior end, an exterior end, and a central conductor portion. The connector includes a sleeve having first and second open ends, and a hollow interior to permit the passage of fluid therethrough. The connector also includes a port providing fluid communication with the hollow interior of the sleeve and into the central conductor portion of the first electrical cable. The sleeve is capable of receiving and forming a fluid-tight seal with the interior end of the first electrical cable.

Classifications:

International (IPC 8-9): H01B7/28 H01R13/52 H01R4/70 H01R9/05 H02G1/16 H02G15/02 H02G15/08 H02G15/105 (Advanced/Invention); H01R13/52 H02G15/02 H02G15/105 (Advanced/Non-invention); H02G15/08 H02G15/10 (Core/Invention)

International (IPC 1-7): H01B7/28 H01R13/52 H01R4/70 H02G15/02 H02G15/08 H02G15/10 H02G15/105

CPC: H01R4/20 H02G1/14 H02G15/02 H02G15/08 H02G15/105 H02G15/24 H01R4/36 H01R4/70 H01R13/5216 H02G15/103 H02G15/26

European: H01R4/20 H01R4/70 H02G1/14 H02G15/02 H02G15/08 H02G15/103 H02G15/105 H02G15/24 H02G15/26 T01R13/52M T01R4/36 T01R4/70

US: 174/74 174/74.00R 174/74.00RP 174/74R 174/76 174/84 174/84.00RP 174/84R

PatBase - US2002046865_AA

Patent Application Publication Apr. 25, 2002 Sheet 1 of 15 US 2002/046865 A1

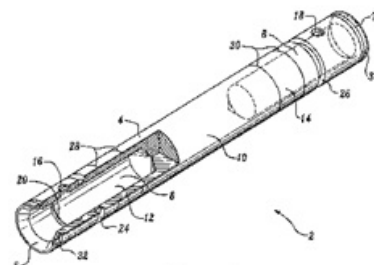


Fig. 1

Family:

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AT328387 E	20060615	AT19980906483T	19980212
AT538523 E	20120115	AT19980020059T	19980212
AU199861697 A1	19980908	AU19980061697	19980212
AU199942081 A1	19991213	AU19990042081	19990526
AU2003204613 AA	20030724	AU20030204613	20030610
BRPI9910722 A	20010130	BR1999PI10722	19990526
CA2280899 AA	19990811	CA19982280899	19980212
CA2280899 C	20060530	CA19982280899	19980212
CA2333370 AA	20001124	CA19992333370	19990526
DE69834730 D1	20060706	DE19986034730T	19980212
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DE69834730 T2	20070606	DE19986034730T	19980212
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DK1008217 T3	20061002	DK19980906483T	19980212
EP1008217 A1	20000614	EP19980906483	19980212
EP1008217 A4	20000614	EP19980906483	19980212
EP1008217 B1	20060531	EP19980906483	19980212
EP1082796 A1	20010314	EP19990925880	19990526
EP1617536 A2	20060118	EP20050020059	19980212
EP1617536 A3	20080702	EP20050020059	19980212
EP1617536 B1	20111221	EP20050020059	19980212
ES2267177 T3	20070301	ES19980906483T	19980212
KR100521612 B1	20051012	KR20007013198	19990526
KR20010070950 A	20010728	KR20007013198	19990526
NZ508348 A	20031128	NZ19990508348	19990526
PT1008217 T	20060929	PT19980906483T	19980212
US2002046865 AA	20020425	US19990471816	19991222
US2004256137 AA	20041223	US20040792019	20040303
US2006169475 AA	20060803	US20050195345	20050802
US5907128 A	19990525	US19970799547	19970213
WO9836482 A1	19980820	WO1998US03016	19980212
WO9962156 A1	19991202	WO1999US11637	19990526

Priority:

US19970799547 19970213	EP19980906483 19980212	EP20050020059 19980212
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Probable Assignee: UTILX CORP

Assignee(s): (std): BERTINI GLEN J ; CHAU ALBERT W ; GRAVE BERND ; LANAN KEITH ; STAGI WILLIAM R ; UTILX CORP ; UTILX CORP

Assignee(s): UTILX CORP KENT ; TRAFFORD CORP ; WILLBROS GROUP INC ; MIDCAP FINANCIAL TRUST ADMINISTRATIVE AGENT AS ; BANK OF AMERICA NA AGENT AS ; CREDIT AGRICOLE CORPORATE AND INVESTMENT BANK COLLATERAL AGENT AS ; CREDIT SUISSE CAYMAN ISLANDS BRANCH ADMINISTRATIVE AGENT AS ; KEYBANK NATIONAL ASSOCIATION ADMINISTRATIVE AGENT AS ; JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS ; CREDIT SUISSE CAYMAN ISLANDS BRANCH AS ADMINISTRAT ; KEYBANK NATIONAL ASSOCIATION AS ADMINISTRATIVE AGE ; KEYBANK NATIONAL ASSOCIATION ADMINISTRATIVE AGE AS ; CREDIT SUISSE CAYMAN ISLANDS BRANCH ADMINISTRAT AS ; CREDIT SUISSE CAYMAN ISLANDS BRANCH ADMINISTRATIVE ; KEYBANK NATIONAL ASSOCIATION ADMINISTRATIVE AGENT ; CREDIT AGRICOLE CORPORATE AND INVESTMENT BANK C AS ; CREDIT AGRICOLE CORPORATE AND INVESTMENT BANK COLL ; CHAN ALBERT W

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Inventor(s): GREN J BERTINI ; STAGI WILLIAM ; STAGI WILLIAM R SEATTLE ; BERTINI GLEN ; LANAN KEITH SE RENTON ; CHAU ALBERT ; CHAU ALBERT W WOODINVILLE

Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD; HERBERT SMITH FREEHILLS; SMART AND BIGGAR; GULDE AND PARTNER PATENT U RECHTSANWALTSKANZLEI MBB; TRANTER ANDREW DAVID; CHRISTENSEN OCONNOR JOHNSON KINDNESS PLLC

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZA ZW

Title: ELECTRICAL CONNECTOR, AN INSERT FOR AN ELECTRICAL CONNECTOR AND AN ELECTRICAL ASSEMBLY

Abstract: An electrical connector, an insert for an electrical connector, and an electrical assembly are disclosed. The electrical connector includes a conductive housing and a conductive insert positioned within the conductive housing. The conductive housing includes a configuration for receiving a conductor and being in electrical communication with the conductor through the insert.

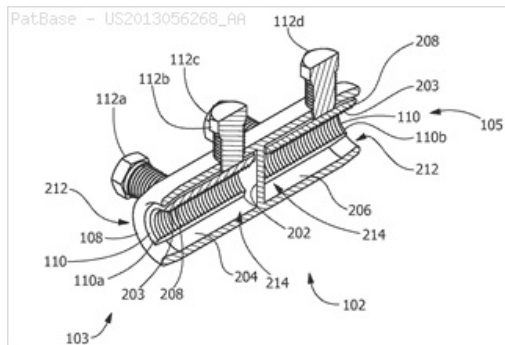
Classifications:

International (IPC 8-9): H01R11/11 H01R4/00 H01R4/26 H01R4/36 H01R4/38 (Advanced/Invention);

H01R11/11 H01R4/50 (Advanced/Non-invention)

CPC: H01R4/363 H01R4/5091 H01R11/11 H01R4/26

US: 174/84R 174/94R 439/411 439/775



Family:

Publication number	Publication date	Application number	Application date
BR112014005207 A2	20170321	BR20141105207	20120905
CA2845925 AA	20140219	CA20122845925	20120905
CA2845925 C	20160419	CA20122845925	20120905
CL2014000527 A1	20141003	CL20140000527	20140304
CL57065 B	20190222	CL20140000527	20140304
CN103782451 A	20140507	CN201280043353	20120905
CN103782451 B	20161012	CN201280043353	20120905
CO6900121 A2	20140320	CO20140046130	20140304
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MX2014002784 A1	20140611	MX20140002784	20120905
PE19332014 A1	20141217	PE20140000310	20120905
US2013056268 AA	20130307	US20110226620	20110907
US8987595 BB	20150324	US20110226620	20110907
WO13036494 A1	20130314	WO2012US53717	20120905

Priority:

US20110226620 20110907 EP20120762132 20120905 WO2012US53717 20120905

Probable Assignee: TE CONNECTIVITY LTD

Assignee(s): (std): BUMGARNER DAVID ; TYCO ELECTRONIC CORP ; TYCO ELECTRONICS CORP

Assignee(s): TYCO ELECTRONICS CORP1050 WESTLAKES DRIVEBERWYNPA19312US ; TYCO ELECTRONICS BERWYN CORP ; TE CONNECTIVITY CORP ; TE CONNECTIVITY LTD

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Inventor(s): BUMGARNER DAVIDUS ; BUMGARNER DAVID MILLERS CREEK

Agent(s): SMART AND BIGGAR; ESTUDIO FEDERICO VILLASECA Y CIA; JERONIMO CASTILLO BONILLA; JOHNSTONE DOUGLAS IAN; OAKES BRIAN C ET AL

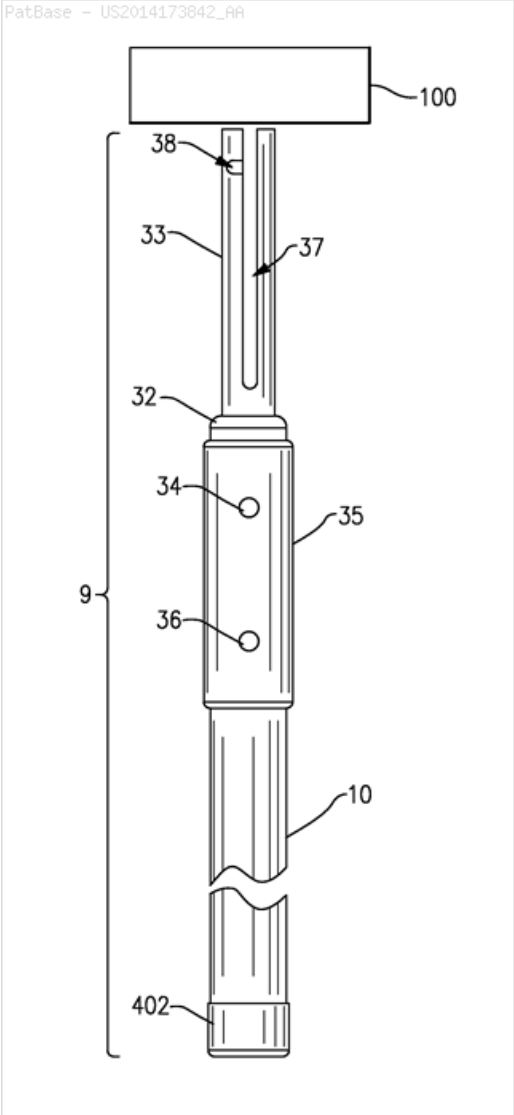
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Title: CONDUCTOR CLEANING BRUSH ASSEMBLY FOR OVERHEAD ELECTRIC POWER LINES

Abstract: An electric power line conductor cleaning brush assembly includes a tubular housing having a longitudinal opening. A multitude of open disc brushes having bristles are located within an interior of the tubular housing and normal to the tubular housing.

Classifications:

International (ipc 8-9): A46B15/00 A46B9/00 A46B9/02 B08B1/00 G01B11/06 G01B11/22 G01D11/00 G01D11/30 G01I1/02 G01I1/42 G01K1/02 G01K1/08 G01K1/14 G01K13/00 G01N21/552 G01N27/22 G01R1/02 G01R1/04 G01R1/20 G01R1/22 G01R15/18 G01R19/00 G01R19/32 G01R21/02 G01R21/14 G01R31/00 G01R31/02 G01R31/08 G01R31/40 G01R5/26 G01S7/481 G01W1/00 G01W1/14 G08B21/00 G08B3/00 G08C15/06 G08C19/04 G08C19/16 H01F27/02 H01F27/22 H01F38/30 H01R4/28 H02G1/02 H02G13/00 H02G15/08 H02G3/02 H02G7/00 H02G7/05 H02G7/16 H02H3/18 H02J13/00 H02J17/00 H02J3/00 H02S20/30 H04N5/225 H04N7/18 H04N9/47 H05K9/00 (Advanced/Invention); G01R15/18 G01R25/00 G01R31/00 H01L31/0232 H02G7/00 (Advanced/Non-invention)
CPC: H02G1/02 A64B9/028 A46B2200/3073 Y10T29/49117 A46B9/028 G01B11/0616 G01D11/30 G01K13/00 G01N27/223 G01R1/20 G01R1/22 G01R15/186 G01R19/0084 G01R19/0092 G01R31/08 G01R31/086 G01R31/40 G01W1/14 H01F27/02 H01F27/22 H01F38/30 H01R4/28 H04N5/2252 H04N7/181
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Family:

Publication number	Publication date	Application number	Application date
CA2831225 AA	20140621	CA20132831225	20131029
CA2834064 AA	20140621	CA20132834064	20131118
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US2014174170 AA	20140626	US20130108613	20131217
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US9380857 BB	20160705	US20130092022	20131127

Priority:

US20120740517P	20121221	US20130046242	20131004	US20130059483	20131022
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Probable Assignee: DAVIS MURRAY W

Assignee(s): (std): DAVIS MURRAY W

Assignee(s): DAVIS MURRAY W471 RENAUD ROADGROSSE POINTE WOODSMI48236US

Inventor(s): (std): DAVIS MURRAY W

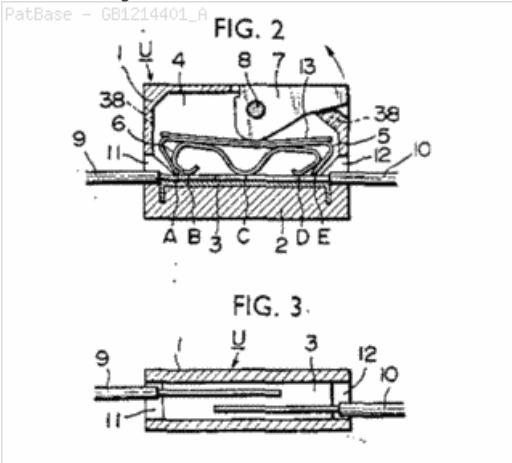
Inventor(s): DAVIS MURRAY W471 RENAUD ROADGROSSE POINTE WOODSMI48236US

Agent(s): GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; CARLSON GASKEY AND OLDS PC

Title: IMPROVEMENTS IN OR RELATING TO ELECTRIC WIRE CONNECTORS

Abstract: 1,214,401. Electric couplings. H. NAGANO. 29 March. 1968 2 S pt., 1968; 23 Sept., 1967; 30 Oct., 1967; 31 Oct., 1967; 11 Dec., 1967 13 Dec., 1967; 29 Jan., 1968; 23 Feb., 1968], No. 15289/68. Heading H2E. An electrical connector comprises an insulating housing 1 having a conductive plate 3 against which wires 9, 10 are pressed by a clamping spring 6 and a retaining spring 5, at least the latter having its ends turned in by more than 90 degrees. The ends of spring 5 bite into the conductors at A and E to prevent their being pulled out and also to assist the spring 6 in clamping the wires on to the plate 3. The wires are released by pivoting a lever 7 anti-clockwise. An auxiliary spring 13 may be provided. Plate 3 is preferably roughened. Apertures 38 allow the insertion of test leads (not shown). In Figs. 4, 5, 6 (not shown) lever 7 is replaced by a rotatable bolt-shaped member (14). In Fig. 7 (not shown), two such members (14) are provided for two clamping springs (6) to allow the wires to be individually inserted and removed. In Figs. 8 to 11 (not shown) two retaining springs (51, 52) are provided, one inside the other. In Figs. 12, 13, 14 (not shown), an insulating housing (1) contains two conductive plates (31, 32) each provided with retaining and clamping springs and each extending through the housing for connection to the ends of, for example, a fuse or neon lamp. The housing (1) has projections and recesses (81, 82, 81a, 82a) to enable an assembly of such housings to be constructed. In Figs. 15 to 20 (not shown) an insulating housing (1), containing a trough-shaped conductive plate (3) and clamping and retaining springs, has one side wall missing which is closed by the wall of an adjacent similar housing. An assembly of such housings is constructed having a retaining block (23) at each end, and a single shaft (8) on which all the operating levers (7) are pivoted. In Figs. 21, 22 (not shown), two clamping springs (6) and two retaining springs or a bifurcated retaining spring are provided to connect wires of different diameters. In Figs. 23, 24 (not shown), support pins (101, 102) are provided for the retaining springs, the retaining spring in Fig. 24 comprising two angled end members and two flat central members sandwiching the ends of the angled members.

Classifications:
International (IPC 8-9): H01H85/20 H01R11/11 H01R4/48 H01R4/52 H01R9/24 (Advanced/Invention); H01H85/00 H01R11/11 H01R4/48 H01R4/52 H01R9/24 (Core/Invention)
International (IPC 1-7): H01R4/48 H01R4/52 H01R9/24
CPC: H01R4/489 H01R4/52 H01R9/2408 H01R11/11
European: H01H85/20L H01R11/11 H01R4/48Q H01R4/52 H01R9/24B



Family:

Publication number	Publication date	Application number	Application date
FR1573552 A	19690704	FR19680158529	19680709
GB1214401 A	19701202	GB19680015289	19680329
JP46026178 B4	19710729	JP19670056247	19670902

Priority:

JP19670056247 19670902	JP19670061125 19670922	JP19670069804 19671030
JP19670092339 19671031	JP19670103600 19671211	JP19670079877 19671213
JP19680005316 19680215	JP19680013086 19680223	GB19680015289 19680329
FR19680158529 19680709		

Probable Assignee: NAGANO HIDEO
Assignee(s): (std): NAGANO HIDEO
Assignee(s): HIDEO NAGANO
Inventor(s): (std): NAGANO HIDEO
Inventor(s): HIDEO NAGANO

Title: Elektrische Leiterschiene

Abstract: An electrical conductor system provides flexibility in lay-out by having a number of tubes (4) mechanically and electrically coupled together by connectors (6). A connector is inserted between tubes and has a clamping screw (8) supported in bushes (18). The ends of the threaded bar carries threaded nuts (20) with tapered ends (22). The bar locates within the tubes and when rotated forces the contact: surface of the nuts against the internal surface to establish a rigid contact. ADVANTAGE - Simplifies connection and coupling between conductor tubes.

Classifications:

International (IPC 8-9): F16B7/02 F21V21/34

H01R25/16 (Advanced/Invention);

F16B13/06 (Advanced/Non-invention);

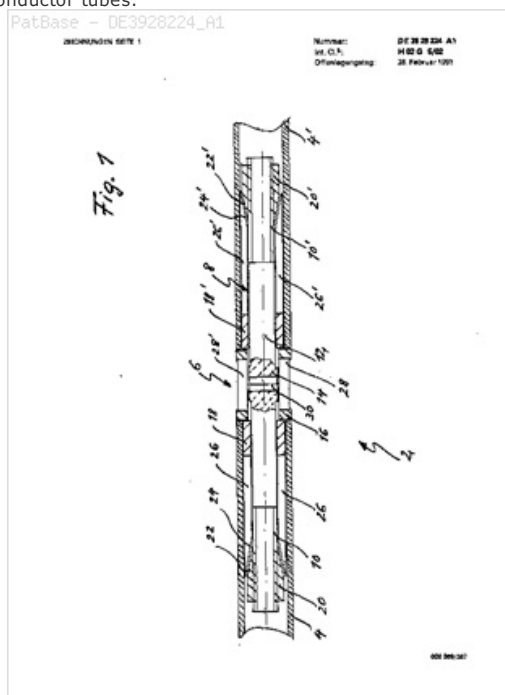
F16B7/00 F21V21/34 H01R25/00 (Core/Invention);

F16B13/06 (Core/Non-invention)

International (IPC 1-7): F16B7/04 F21V21/34 H01R25/14 H01R4/60 H02G5/02

CPC: H01R25/162 F16B7/025 F16B13/066 F21V21/35

European: F16B7/02K F21V21/34 H01R25/16D2 R16B13/06D4



Family:

Publication number	Publication date	Application number	Application date
DE3928224 A1	19910228	DE19893928224	19890825
DE3928224 C2	19920116	DE19893928224	19890825

Priority:

DE19893928224 19890825

Probable Assignee:

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