

Search history

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Search 7: 5 and 6 (Results 31)

1) Family number: 19991784 (DE498520A)

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Title: KLEMME FUER ERDUNGSROHRE UND -LEITUNGEN MIT VERSCHIEDENEN DURCHMESSERN TERMINAL FOR GROUND PIPES AND PIPES WITH DIFFERENT DIAMETERS (Machine translation)

Abstract: Source: DE498520A (Claim 1) 1.PATENTANSPRUCH: Klemme fuer Erdungsrohre und -leitun- gen mit verschiedenen Durchmessern, bei der um ein Erdungsrohr ein Metallband gelegt ist, dessen eines Ende mit einer Klemmvorrichtung fuer den elektrischen Stromleiter verbunden ist, waehrend das andere Ende mittels einer Aussparung mindestens an einer Nase der Klemmvorrichtung angebracht ist, dadurch gekenn zeichnet, daB die Klemmvorrichtung aus zwei Klemmbacken (7, 8) besteht, zwi schen die der elektrische Stromleiter ge legt ist, und dass an ider oberen Klemm backe (7) beide Bandenden befestigt sind, waehrend die untere Klemmbacke (8) Ge winde fuer mindestens eine sich mit ihrer Spitze gegen das Erdungsrohr abstuetzende Klemmschraube besitzt, so dass beim An ziehen von mindestens einer Klemm schraube.sowohl das Band als auch der zwischen der Klemmvorrichtung liegende Stromleiter zu gleicher Zeit festgeklemt werden.

Machine translation: (Claim 1) 1.PATENTANSPRUCH: terminal for grounding pipes and cables gene with different diameters, placed in a ground tube is a metal strip having one end for a clamping device the electric current conductor is connected, while the other end is by means of a recess on at least one nose of the Klemmvor mounted device, characterized in the clamping device dab of two clamping jaws (7, 8), intermediate that of the electric current conductor GE sets, and in that at ider upper clamping jaw (7) both band ends are fixed, while the lower jaw (8) Ge threaded for at least one has with its tip against the grounding tube supporting clamping screw, so that during start pull of at least one clamping schraube.sowohl the tape and between the clamping device lying current conductor are clamped at the same time.

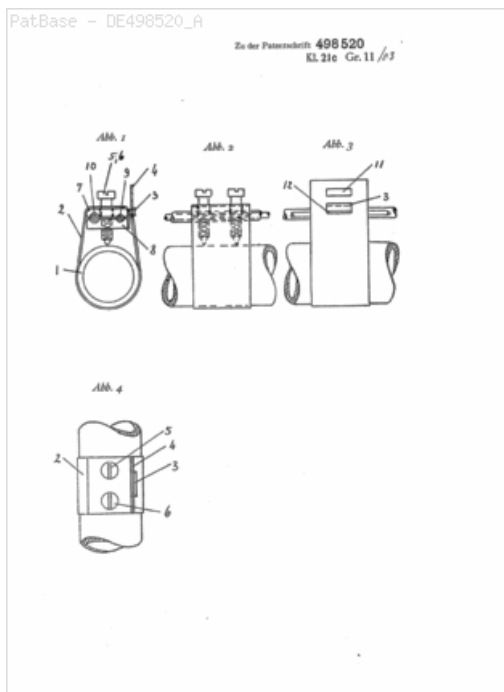
Classifications:

International (IPC 8-9): H01R4/60 H01R4/64 (Advanced/Invention);
H01R4/58 H01R4/64 (Core/Invention)

International (IPC 1-7): H01R4/60 H01R4/64

CPC: H01R4/60 H01R4/643

European: H01R4/60 H01R4/64B



Family:

Publication number	Publication date	Application number	Application date
DE498520 A	19300523	DE1927G071654D	19271103

Priority:

DE1927G071654 19271103 DE1927G071654 19271103 DE1927G071654 19271103

Probable Assignee:

EMIL GUBLER

Assignee(s): (std):

EMIL GUBLER

Title: ELECTRICAL GROUND CONNECTION

Abstract: Source: US1772976A 1. In combination, a base, a Hexihle strip of greater length than the base overlying the latter, a socket overlying one end of _the strip and the base, mcansbtor securing san; soeli_lit;et to the strip and the ase in any one 0 a p urality of angular positions, said base having two longitudinal rows of holes extending through the same at the other_cnd, and a clamping device including a pair of screws to dngagc corresponding holes in said rows for engaging with the free end of Sill; strip and drawinfr it about a pipe or the li e.

Classifications:

International (IPC 8-9): H01R4/60 H01R4/64 (Advanced/Invention);

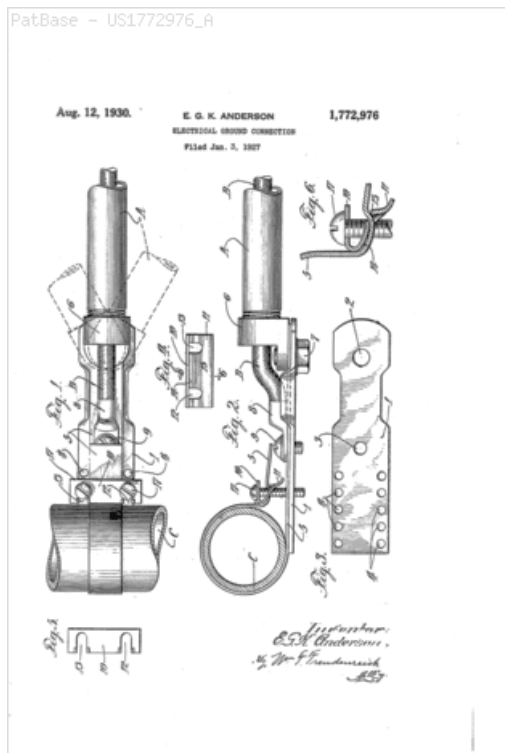
H01R4/58 H01R4/64 (Core/Invention)

International (IPC 1-7): H01R4/60 H01R4/64

CPC: H01R4/60 H01R4/643

European: H01R4/60 H01R4/64B

US: 439/208



Family:

Publication number	Publication date	Application number	Application date
US1772976 A	19300812	US19270158540	19270103

Priority:

US19270158540 19270103

Probable Assignee:

APPLETON ELECTRIC CO

Assignee(s): (std):

APPLETON ELECTRIC CO

Assignee(s):

APPLETON ELECTRIC COMPANY

Inventor(s): (std):

ANDERSON ERNST G K

Title: EINRICHTUNG MIT VERSTELLBARER, METALLENER BRIDE ZUM ANSCHLUSS EINER ERDLEITUNG AN EIN METALLROHR.
DEVICE WITH ADJUSTABLE METAL LENER BRIDE FOR CONNECTING AN EARTH ON A METAL PIPE. (Machine translation)

Abstract: Source: CH169153A PATENTANSPRUCH: Einrichtung mit verstellbarer, metallener Bride zum Anschluss einer Erdleitung an ein Metallrohr, dadurch gekennzeichnet, dass die Bride Schlitze aufweist, die mindestens drei Streifen bilden, welche abwechselnd an der einen und der entgegengesetzten Seite' der Erdleitung anliegen und letztere beim Anzug der Bride auf dem Metallrohr zwischen sich einklemmen. UNTERANSPRUCH: Einrichtung nach Patentanspruch, dadurch gekennzeichnet, dass der Streifen, welcher zwischen Rohr und Draht zu liegen kommt, beidseitig des Drahtes Erhöhungen zwecks genauer Einstellung des Drahtes aufweist. CLAIM: device with adjustable, metallic Bride to connect a ground wire to a metal pipe, characterized in that the Bride slots which form at least three strips which are applied alternately to one side and the opposite side 'of the ground line and the latter at the suit of the Bride clamp on the metal tube between them. BELOW RIGHT: A device according to claim, characterized in that the strip, which comes to rest between the pipe and wire on both sides of the wire increases has for accurate adjustment of the wire.

Classifications:

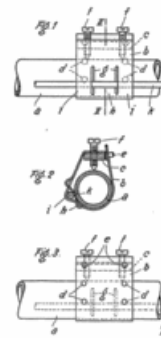
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H01R4/64 (Core/Invention)

International (IPC 1-7): H01R4/64

CPC: H01R4/643

European: H01R4/64B

**Family:**

Publication number	Publication date	Application number	Application date
CH169153 A	19340515		19330529

Priority:

19330529

Probable Assignee: HASLER AG**Assignee(s):** (std): HASLER AG

Assignee(s): HASLER A G VORMALS TELEGRAPHENWERKSTAETTE VON G HA ; HASLER A G VORMALS TELEGRAPHENWERKSTAETTE VON G HASLER ; HASLER A G WAS TELEGRAPHENWERKSTAETTE VON G HASLER..

Inventor(s): (std): HASLER HASLER A G VORMALS TELE ; HASLER HASLER A G WAS TELE

Inventor(s): HASLER A G VORMALS TELEGRAPHENWERKSTAETTE VON G HA ; HASLER A G VORMALS TELEGRAPHENWERKSTAETTE VON G HASLER ; HASLER A G WAS TELEGRAPHENWERKSTAETTE VON ; HASLER A G WAS TELEGRAPHENWERKSTAETTE VON G HASLER..

4) Family number: 21216452 (DE1927667U)

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Title: ERDUNGSANSCHLUSS FUER WELLROHRHOHLLEITER UND -KABEL. GROUND CONNECTION FOR PIPE CORRUGATED WAVEGUIDE AND CABLE. (Machine translation)

Abstract: Source: DE1927667U (Claim 1) 1. Feuchtigkeitsdichter Erdungsanschluss fuer Kunststoff oder Kautschuk ummantelte Wellrohrhohlleiter und -kabel elliptischen oder runden Querschnitts, die aus einer geteilten Breitbandschelle, einer drehbaren, geteilten axial nicht verschiebbaren Spannschelle aus einem hartelastischen Werkstoff und einem Erdungsband besteht, dadurch gekennzeichnet, dass zwischen dem Erdungsband und dem in der Breite des Erdungsbandes abgemantelten Wellrohr eine die Wellentaeler des Wellrohres nahezu ausfuellende Metallschicht und ueber dem Erdungsband e

Machine translation: (claim 1) 1 Moisture-proof earthing connection for plastic or rubber coated corrugated tube waveguide and cables, elliptical or round cross section, which characterized a shared broadband clamp, a rotatable split not axially displaceable clamping mechanism made of a hard elastic material and a ground strap consists, in that between the ground strap and in the width of the ground band stripped the corrugated tube, a tube of corrugated Wellentaeler nearly filling metal layer and above the ground strap e

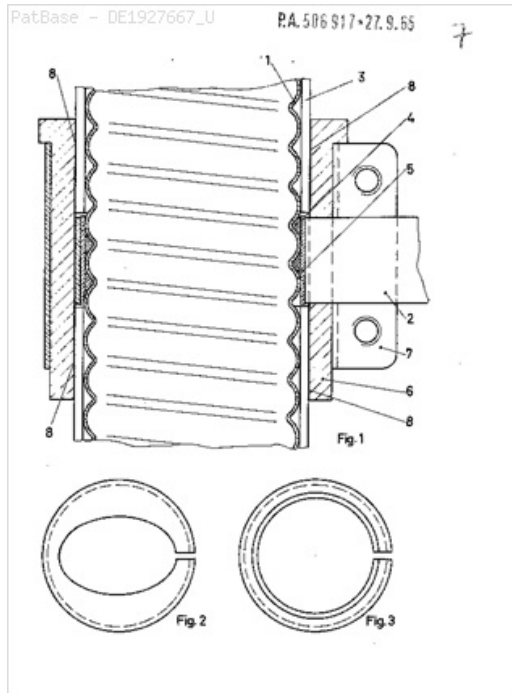
Classifications:

International (IPC 8-9): H01R11/11 (Advanced/Invention);

H01R11/11 (Core/Invention)

CPC: H01R11/11

European: H01R11/11



Family:

Publication number	Publication date	Application number	Application date
DE1927667 U	19651125	DE1965H053278U	19650927

Priority:

DE1965H053278U 19650927

Probable Assignee: HACKETHAL DRAHT AND KABELWERK AG

Assignee(s): (std): HACKETHAL DRAHT AND KABELWERK AG

Assignee(s): HACKETHAL DRAHT UND KABEL WERKE AKTIENGESELLSCHAFT

5) Family number: 21924556 (US3846208A)

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Title: COMBINATION PIPE FUSION UNIT

Abstract: Source: US3846208A ABSTRACT OF THE DISCLOSURE

This invention describes a combination pipe fusion apparatus in which heat fusible pipes can be joined coaxially (butt-joints) or at right angles (sidewall fillings). It comprises a frame having two axially aligned pipe clamps. One of the clamps is fixed to the frame and the other is axially movable toward or away from the other. There is a third pipe clamp which is fixed to the frame adapted to hold a pipe perpendicular to the longitudinal axis of the frame and to the axis of the first and second clamps. By the use of the first and second clamps one pipe can be fixed in the first clamp and another pipe can be fixed in the second clamp and be movable with respect to the first pipe to form a longitudinal in-line joint. By the use of the second and third clamps a pipe can be fixed transverse to the longitudinal axis in the third clamp and a second pipe fixed in the movable clamp and the two can be joined to form a right angle joint or connection. CROSS REFERENCE TO RELATED APPLICATION This application is a continuation-in-part of and an improvement upon the copending application of the same inventor Ser. No. 121,791, filed Mar. 8, 1971, now U.S. Pat. 3,729,360, entitled "Portable Thermostatic Pipe Fusion Apparatus," and is incorporated herein by reference as necessary. B

Classifications:

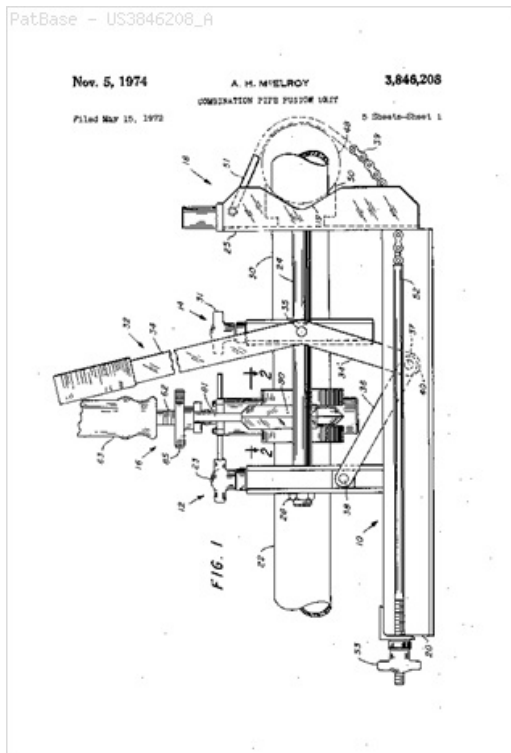
International (IPC 8-9): B25B11/02 B25B5/14 B29C65/00 B29C65/20 B29C65/78 F16L47/26 H01R29/00 (Advanced/Invention); B25B11/00 B25B5/00 B29C65/00 B29C65/18 B29C65/78 F16L47/00 H01R29/00 (Core/Invention)

International (IPC 1-7): B29C17/02 B29C27/02 B29C27/06 B32B31/12 B32B31/18 B32B31/20 B32B35/00 F16L47/02 H01R29/00 H02B1/00

CPC: B29C66/861 B29L2023/22 H01R29/00 B25B5/147 B25B11/02 F16L47/26 B29C66/5221 B29C66/81422 B29C66/81423 Y10T156/1066 Y10T156/14 B29C66/1142 B29C65/2092 B29C65/7802 B29C66/80 B29C66/8242 B29C66/8414 B29C66/91421 B29C66/91431 B29C66/91641 B29C2793/0081 B29K2023/06 B29C66/71 B29C65/7841 B29C66/8652

European: B25B11/02 B25B5/14D B29C65/20 B29C65/78D B29C66/1142 B29C66/5221 B29C66/5224 B29C66/80 B29C66/8242 B29C66/8414 F16L47/26 H01R29/00 L29C65/20 L29C65/20H L29C66/81422 L29C66/81423 L29C66/861 L29C793/001 L29K23/06 L29L23/22

US: 156/153 156/158 156/258 156/293 156/322 156/49.9 156/499 156/507 156/508 156/509 156/535 219/228 219/243 361/679.4 361/686 361/803 361/805 439/43 439/81

**Family:**

Publication number	Publication date	Application number	Application date
AU197359776 A1	19750306	AU19730059776	19730829
AU207359776 A1	19750306	AU19730059776	19730829
AU480751 A1	19750306	AU19730059776	19730829
BE860924 A7	19780316	BE19770182698	19771117
BE860924 Q	19780316	BE19770182698	19771117
BE860925 A7	19780316	BE19770182699	19771117
BE860925 Q	19780316	BE19770182699	19771117
DE2346391 A1	19750327	DE19732346391	19730914
FR2245466 A1	19750425	FR19730034945	19730928
FR2245466 B1	19770527	FR19730034945	19730928
US3246208 A	19660412	US19620220610	19620831
US3729360 A	19730424	US19710121791	19710308
US3846208 A	19741105	US19720253179	19720515

Priority:

AU19730059776 19730829	BE19770182698 19771117	BE19770182699 19771117
DE19732346391 19730914	FR19730034945 19730928	US19620220610 19620831
US19710121791 19710308	US19720253179 19720515	

Probable Assignee: PHILLIPS PETROLEUM CO**Assignee(s):** (std): MCELROY A ; MCELROY A H ; MCELROY ARTHUR H ; MCELROY ARTHUR ; LEEDS AND NORTHRUP CO**Assignee(s):** MCELROY AH ; LEEDS AND NORTHRUP COMPANY ; ARTHUR HAMILTON MCELROY ; PHILLIPS PETROLEUM CO ; MCELROY MFG ; MCELROY A US ; MCELROY ARTHUR HAMILTON ; MCELROY ARTHUR US ; MCELROY MFG INC**Inventor(s):** (std): ARTHUR HAMILTON MCELROY ; LEX JR ROWLAND G ; MCELROY A ; MCELROY ARTHUR HAMILTON ; ROSS RAYMOND W ; WYNNE WILLIAM T**Inventor(s):** MCELROY A US ; HAMILTON MCELROY ARTHUR ; JR ROWLAND G LEX**6) Family number: 1027268 (US3699494A)**

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Title: GROUNDING CONNECTOR

Abstract: Source: US3699494A A grounding assembly for use in completing a high strength solderless connection between conductive means and a grounding conductor supported in the earth, such as a pipe or stake. Either single or multiple solderless terminal units can be held captive adjustably along a single clamping band. The solderless terminal units can also be used alone or in multiple to provide assurance of a better and a higher capacity connection with the ground stake or pipe. These terminal units also include tempered sharp edges in high pressure contact with both the ground wire and the ground stake.

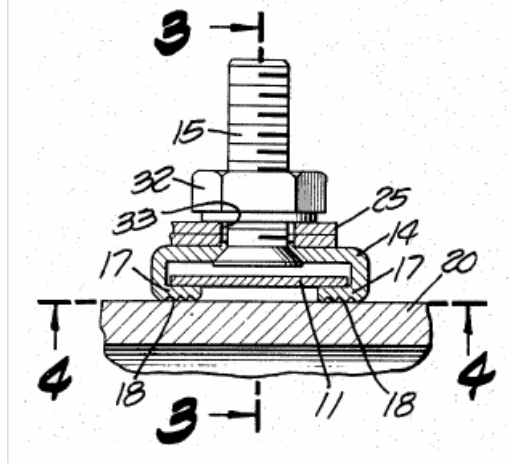
Classifications:

International (IPC 8-9): H01R4/60 H01R4/64 (Advanced/Invention);
H01R4/58 H01R4/64 (Core/Invention)

International (IPC 1-7): H01R13/24 H01R3/06 H01R4/60 H01R4/64
CPC: H01R4/60 H01R4/643

European: H01R4/60 H01R4/64B

US: 439/100 439/800

**Family:**

Publication number	Publication date	Application number	Application date
US3699494 A	19721017	US19700080994	19701015

Priority:

US19700080994 19701015

Probable Assignee: GILLEMOT GEORGE W**Assignee(s):** (std): GILLEMOT GEORGE W ; THOMPSON JOHN T**Assignee(s):** GEORGE W GILLEMOT ; JOHN T THOMPSON**Inventor(s):** (std): GILLEMOT GEORGE W ; THOMPSON JOHN T**Inventor(s):** GEORGE W GILLEMOT ; JOHN T THOMPSON**7) Family number: 3549176 (FR2305872A)**

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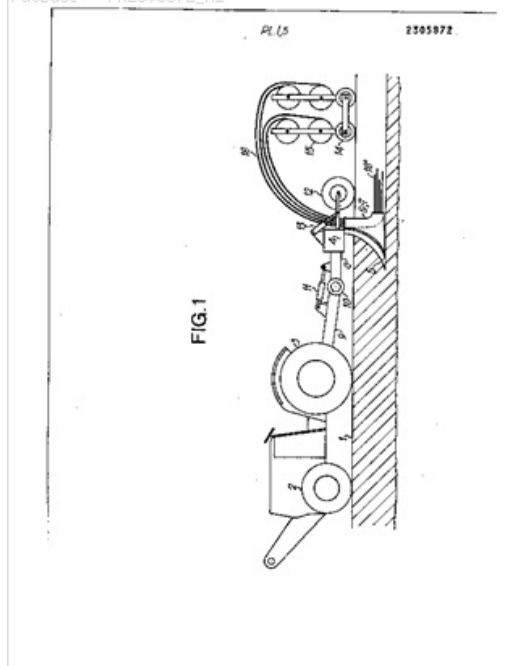
Title: VEHICULE DE POSE DE CANALISATIONS ELECTRIQUES A LAME VIBRANTE UNDERGROUND TELEPHONE CABLE LAYING MACHINE - HAS VIBRATING PLOUGH ARTICULATED TO TRACTOR WITH HYDRAULIC RAMS TO VARY WORKING DEPTH

Abstract: Source: FR2305872A (Claim 1) 1 - Vehicule de pose de canalisations ou cables electriques souples en pleine terre comportant, une partie tractrice ayant au moins deux paires de roues, une lame vibrante amovible pouvant estre un. - rendue solidaire d'une piece porte-goulottes guides-cles, / genera- teur de vibrations commandant ladite lame, un bati renfermant ledit generateur et fixe a ladite lame, des moyens de roulement connectes audit bati, un chariot porte-tourets muni de tourets sur lesquels sont enroules lesdits cables, ce vehicule etant caracterise en ce qu'il comporte une articulation de commande de la lame vibrante deplacable en hauteur et reliee par l'intermediaire de poutres audit bati et a une deuxieme articulation connectee a la partie tractrice. The underground cable laying machine, for e.g. telephone cables, has a vibrating plough blade cutting a trench into which the cable is fed. The plough is pulled by a tractor and the cables are uncoiled from drums towed behind the plough assembly. The plough and its vibrator are articulated (10) to the rear of the tractor. This articulated joint can be rotated by a hydraulic piston (11) above it so that the plough can be tilted to plough deeper or shallower as required by the terrain.

Classifications:**International (ipc 8-9):** E02F5/10 E02F5/12

H02G1/06 (Advanced/Invention);

E02F5/02 E02F5/10 H02G1/06 (Core/Invention)

International (ipc 1-7): E02F5/02 H02G1/06**CPC:** H02G1/06 E02F5/101 E02F5/103 E02F5/12**European:** E02F5/10B2 E02F5/12 H02G1/06**Family:**

Publication number	Publication date	Application number	Application date
FR2305872 A1	19761022	FR19750009122	19750324
FR2305872 B1	19780203	FR19750009122	19750324

Priority:

FR19750009122 19750324

Probable Assignee:

FRANCE ETAT

Assignee(s): (std):

FRANCE ETAT

Assignee(s):

ETAT FRANCAIS

Inventor(s): (std):

BARSE CHARLES ; RIBIERAS ALFRED

Inventor(s):

ALFRED RIBIERAS ET CHARLES BARSE

8) Family number: 1776660 (DE2904712A1)

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Title: STECKVERBINDUNGEN UND DOSEN DOMESTIC PLUG AND SOCKET - USES ADAPTOR TO CONCEAL EDGE OF FLUSH-MOUNTED HOUSING AND SUPPORT INTERNAL FITTINGS

Abstract: Source: DE2904712A1 A S S system Steckverbindungen Schutzansprueche: neu und zu schuetzen wird beantragt, dass Eingips-Aussendosen in einen Dosenring mit offenen Kanalanschlussen und in ein Bodenteil zerlegt wurden, welches letzteres durch seinen vorspringenden unterem Rand im Gips festgehalten wird 2) dieser Bodenteil so dick ist, dass in diesem die Gegenkontakte der Steckstifte gut unterbringbar sind, aber trotzdem die Dose insgesamt noch im Putz unterbringbar bleibt 3) dieses dicke Bodenteil (aber ohne Rand unten) ist etwas geaendert auch durch sich spreizende Feder einklemmbar 4) in beiden Ballen ueber den Boeden keine stoerenden Klemmvorrichtungen vorhanden aber dafuer mehr Platz und keinerlei Draehte an irgendeiner Stelle nicht vom Auge kontrollierbar waeren, Alles Sichtbar Sicher = ASS 5) die Draehte in eine genuegend lang herausschraubbare Schraube eingehaengt werden koennen, deren Kopf an einer senkrechten rrofilwand gleitet,sodass die Drahtschlinge nie herausgehen kann 6) eine Fuellschraube die Nut herkoemmlicher Steckdosen verschliesst, eine Abschleigung einer Steckfuehrung stets nur in gleicher Form einfuehrbarmacht, unterstuetzt durch flache und runde lochung der inneren Dose, 70) die Kontaktvorrichtungen nur das Einfuehren des passenden Steckers erlauben, zumindest geht der flache nicht in den platz desdickeren durch entsprechend dimensionierten Platz i m Bodenteil 8) - der Umbau vom Schutz- zum Schutzgeraetestecker den Einbau einer Feinsicherung im Steckerteil (also jeweils auf die angeschlossenen Ver- braucher genau abgestimmt). The plug and socket system with recesses in the wall for the sockets, uses a housing for each socket with the rim flush with the plaster surface. Inside this fits an adaptor which can be fitted into a recess in the plaster so as to cover the rim, and give a finished appearance, forming a cover, with a hole for insertion of the plug. This can also rest on the surface of the plaster projecting from it. Inside the adaptor is mounted a base block with recesses for the contact pins, and also with a U-shaped spring clip screwed to the top surface, to retain the plug after insertion. An alternative design uses spring strips instead of the base block.

Classifications:

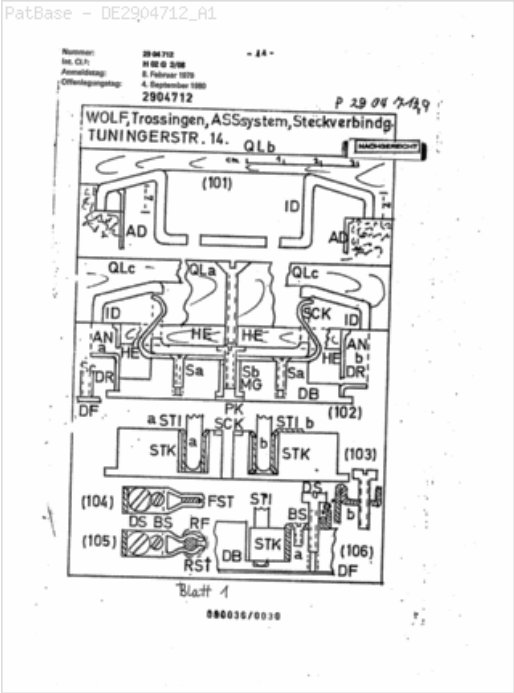
International (IPC 8-9): H02G3/18 (Advanced/Invention);

H02G3/18 (Core/Invention)

International (IPC 1-7): H02G3/06 H02G3/08

CPC: H02G3/18

European: H02G3/18



Family:

Publication number	Publication date	Application number	Application date
DE2904712 A1	19800904	DE19792904712	19790208

Priority:

DE19792904712 19790208

Probable Assignee:

WOLF OSKAR

Assignee(s): (std):

WOLF OSKAR

Inventor(s): (std):

WOLF OSKAR

9) Family number: 1384169 (US4346254A)

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Title: Test station apparatus for flush mounting

Abstract: Source: US4346254A An electrical current of potential is fed to or measured in test leads associated with underground piping, casings and the like through the use of a cathodic test station for flushing mounting in the ground. The test station includes a hollow cylindrical housing having a flanged upper end and an implanted lower end receiving test leads and anchored in the ground by a bar extending therethrough and by ribs projecting radially from the outer surface of the housing. A carrier forms an airtight pocket within side walls projecting from a solid end wall having a flange extending

outwardly for recessed support on a shelf in the flanged upper end of the housing. A clamp within the airtight pocket of the carrier supports a terminal block. In one form, the clamp is produced by protrusions from the side wall of the carrier and in another form, a clip extends across the face of the end wall of the carrier. Ends of the clip are spaced from the end wall to support a mounting wall of a terminal block member. The mounting wall has a configuration to pass beyond the protrusions or ends of the clip so that rotation of the terminal block member moves an inclined support surface into a tightly-fitting engagement between the end wall and the protrusions or clip. Entrapped air in the airtight pocket of the carrier prevents ingress of water. A fastener releasably secures the carrier to the housing. A strip of oil impregnated felt, sponge rubber or foamed plastic is used to release oil to suppress vaporization and condensation of subsurface water.

Classifications:

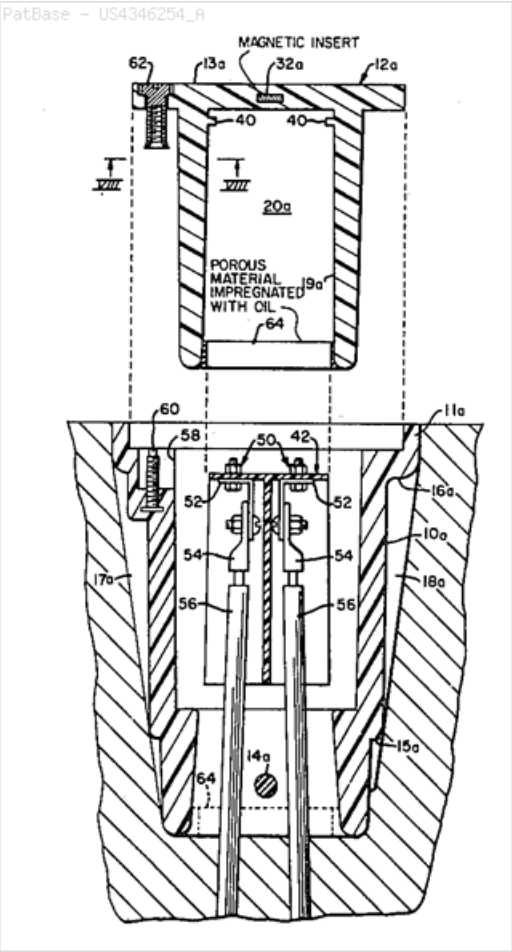
International (IPC 8-9): C23F13/00 G01N27/28 G01R1/04 G01R1/06 G01R31/02 H02G9/00 H02G9/10 (Advanced/Invention); C23F13/00 G01R1/02 G01R1/06 G01R31/02 H02G9/00 (Core/Invention)

International (IPC 1-7): C23F13/00 G01N27/28 G01R1/04 G01R31/00 G01R31/02 H01R9/00 H02B H02G15/06 H02G9/00 H02G9/10

CPC: H02G9/10

European: H02G9/10

US: 174/37 174/59 422/43



Family:

Publication number	Publication date	Application number	Application date
AU198055788 A1	19800918	AU19800055788	19800221
AU520502 B2	19820204	AU19800055788	19800221
CA1135391 A1	19821109	CA19800346930	19800304
DE3062105 D1	19830331	DE19803062105	19800310
DK104480 A	19800913	DK19800001044	19800311
EP0015579 A1	19800917	EP19800101192	19800310
EP0015579 B1	19830223	EP19800101192	19800310
GB2050075 A1	19801231	GB19800007344	19800304
GB2050075 B2	19830202	GB19800007344	19800304
JP1186113 C3	19840120	JP19800030424	19800312
JP55131220 A2	19801011	JP19800030424	19800312
JP58020529 B4	19830423	JP19800030424	19800312
NO800689 A	19800915	NO19800000689	19800311
SG8390278 A	19840419	SG19830090278	19830520
US4346254 A	19820824	US19800145941	19800502

Priority:

CA19800346930 19800304 US19790019989 19790312 US19800145941 19800502

Probable Assignee: BORIN FW THOMAS JG

Assignee(s): (std): BORIN FRANK WILLIAM ; BORIN F W ; THOMAS J G ; THOMAS JEFFREY G

Assignee(s): JEFURII JII TOMASU ; BORIN F W THOMAS J G ; BORIN FRANK W ; BORIN FW THOMAS JG ; FRANK WILLIAM BORIN ; FURANKU UIRIAMU BOORIN ; JEFFREY G THOMAS

Inventor(s): (std): BORIN F W ; BORIN FRANK W ; BORIN FRANK WILLIAM ; FURANKU UIRIAMU BOORIN ; JIEFURII JII TOMASU ; THOMAS J G ; THOMAS JEFFREY G

Inventor(s): J G THOMAS ; JEFFREY G THOMAS ; JEFURII JII TOMASU ; F W BORIN ; FRANK W BORIN

Agent(s): MACRAE AND CO

Designated states: BE CH DE LU NL SE

Abstract: Source: DE3201669A1 Lines which are guided from the roof of a house to the ground, such as antenna lines and especially lightening conductors, are advantageously attached to rain-water drainpipes. The previously known clamps for this purpose are extremely heavy, expensive and difficult to fit. In addition, a separate clamp is required for every type of down-line and for virtually every pipe diameter. The invention specifies a relatively easily constructed clamp which, as a result of this easy construction, can be fitted very simply and can be attached to rain-water drainpipes of different diameter. Nevertheless, this clamp is extremely stable by virtue of its construction and, in addition, has an extremely long life. This is achieved by the attachment means for the down-lines being attached to an angle piece, and the angle piece being inserted with a tongue into pockets in the clamping strip.

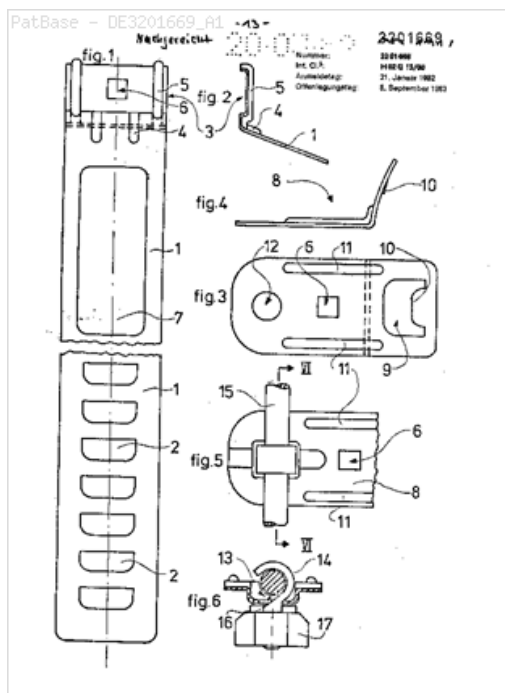
Classifications:

International (IPC 8-9): F16L3/06 H02G13/00 (Advanced/Invention); F16L3/02 H02G13/00 (Core/Invention)

International (IPC 1-7): F16L3/08 H02G13/00

CPC: H02G13/40 F16L3/06 H02G13/00

European: F16L3/06 H02G13/00



Family:

Publication number	Publication date	Application number	Application date
CH658950 A	19861215	CH19830000229	19830117
DE3201669 A1	19830908	DE19823201669	19820121

Priority:

DE19823201669 19820121

Probable Assignee: BS PLASTIKVERARBEITUNG GMBH
Assignee(s): (std): BS PLASTIKVERARBEITUNG GMBH
Assignee(s): B S PLASTIKVERARBEITUNG GMBH
Inventor(s): (std): SCHMIDT HENNING

11) Family number: 29614164 (US5014946A)

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Title: HOLDING, RETAINING AND ADHERING MEANS

Abstract: Source: US5014946A A holding, retaining and adhering means comprises a holding member characterized by a flexible plate connected to the bottom surface of a comparatively rigid holding member at a fastening point located at an inner surface of the flexible plate. The flexible plate is adaptable to an unevenness of surface upon which it is placed such that when a tilting or tipping force is applied, a drawing-off force is likewise applied to the rigid holding member.

Classifications:

International (IPC 8-9): A47B13/16 A47G23/02 A47G23/03 A47G23/06 A47G29/00 A47K1/09 B25J15/00 B43K23/00 B43K23/04 B43M99/00 E01F9/00 F04B43/02 F04B9/14 F16B1/00 F16B47/00 F16F7/10 F16K15/02 F16M11/00 F16M13/00 F16M7/00 G05D19/02 H02K7/06 (Advanced/Invention);

A47G23/06 F16B1/00 (Advanced/Non-invention); A47G23/00 A47G29/00 A47K1/08 B43K23/00 E01F9/00 F04B43/02 F04B9/00 F16B47/00 F16F7/10 F16M11/00 F16M13/00 F16M7/00 G05D19/00 (Core/Invention); A47G23/00 F16B1/00 (Core/Non-invention)

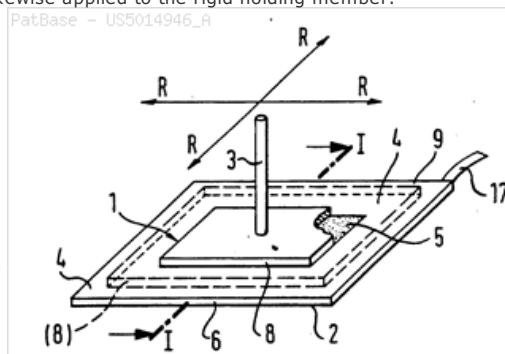
International (IPC 1-7): A45B23/00 A46B17/00 A47B23/00 A47B31/00 A47G1/17 A47G23/02 A47G23/03 A47G23/06 A47G29/00 B01L9/00 B05C17/00 B06B1/02 B06B1/06 B06B1/16 B06B3/00 B25B11/00 B41K1/58 B43K23/00 B43K23/04 B43K9/00 B43L25/00 B43M17/00 B63B21/27 B65D51/24 B65G21/20 B65G27/00 B65G47/91 B65G7/00 B66D3/00 F04B43/02 F04F7/00 F16B47/00 F16K15/00 F16M11/20 F16M13/00 F16M5/00 F16M7/00 F16S5/00 G05B17/00 H01R25/00 H04R17/00 H04R7/00

CPC: F16B1/00 H02K7/061 F16B47/00 F16B47/003 B43M99/003 A47G23/02 A47G23/06 B25J15/00 F16K15/02 A47B13/16 A47G23/0241 F16M11/041 F16M13/022 B43K23/04 F16B2001/0035 F16F7/10 G05D19/02 F04B9/14 F04B43/02 F16M7/00 F16M11/22 A47G23/0216 A47G2023/0666 A47G2200/106 A47K1/09 B43K23/002 F16M13/00 F16M2200/08

European: A47B13/16 A47G23/02 A47G23/02A2 A47G23/02B A47G23/06 A47K1/09 B25J15/00 B43K23/04 B43M99/00B2B E01F9/00 F04B43/02 F04B9/14 F16B1/00 F16B47/00 F16B47/00B F16F7/10 F16K15/02 F16M11/00 F16M11/22 F16M13/00 F16M7/00 G05D19/02 H02K7/06B K47G200/10P K47G23/06M R16B1/00F R16M200/08

US: 248/205.3 248/205.9 248/206.5

Family:



Publication number	Publication date	Application number	Application date
DE3840727 A1	19900222	DE19883840727	19881202
DE3908278 A1	19900301	DE19893908278	19890314
DE3908278 C2	20031127	DE19893908278	19890314
DE3908279 A1	19900503	DE19893908279	19890314
DE3908280 A1	19900503	DE19893908280	19890314
DE3908280 C2	19980430	DE19893908280	19890314
DE3915147 A1	19900222	DE19893915147	19890509
DE3915908 A1	19900301	DE19893915908	19890516
DE3919595 A1	19900222	DE19893919595	19890615
DE3926969 A1	19900405	DE19893926969	19890816
DE3927177 A1	19900222	DE19893927177	19890817
DE4015458 A1	19910117	DE19904015458	19900514
DE8909307 U1	19901206	DE19890009307U	19890516
DE8909308 U1	19901129	DE19890009308U	19890509
DE8909309 U1	19901213	DE19890009309U	19890314
DE9005281 U1	19900906	DE19900005281U	19900509
DE9005480 U1	19910314	DE19900005480U	19900514
DE9006676 U1	19901129	DE19900006676U	19900613
EP0355700 A2	19900228	EP19890115122	19890816
EP0355700 A3	19940126	EP19890115122	19890816
JP2195098 A2	19900801	JP19890212029	19890817
US5014946 A	19910514	US19890395684	19890817

Priority:

DE19880016285U 19880817	DE19880016333U 19880817	DE19883844521 19880817
DE19880016333U 19880817	DE19883840727 19881202	DE19883827832 19880817
DE19893908280 19890314	DE19883944521 19880817	DE19890009307U 19890516
DE19890009308U 19890509	DE19890009309U 19890314	DE19893908278 19890314
DE19893908279 19890314	DE19893915147 19890509	DE19904015458 19900514
DE19900005281U 19900509	DE19893919595 19890615	DE19893927177 19890817
DE19893926969 19890816	DE19893915908 19890516	

Probable Assignee: GRUBER BRUNO

Assignee(s): (std): BURUUNO GURUUBERU ; GRUBER BRUNO

Assignee(s): GRUBER BRUNO 8037 OLCHING DE ; GRUBER BRUNO 82140 OLCHING DE

Inventor(s): (std): BURUUNO GURUUBERU ; GRUBER BRUNO

Inventor(s): GRUBER BRUNO 82140 OLCHING DE ; GRUBER BRUNO 8037 OLCHING DE

Designated states: AT BE CH DE ES FR GB GR IT LI LU NL SE

12) Family number: 6099659 (DD288700A)

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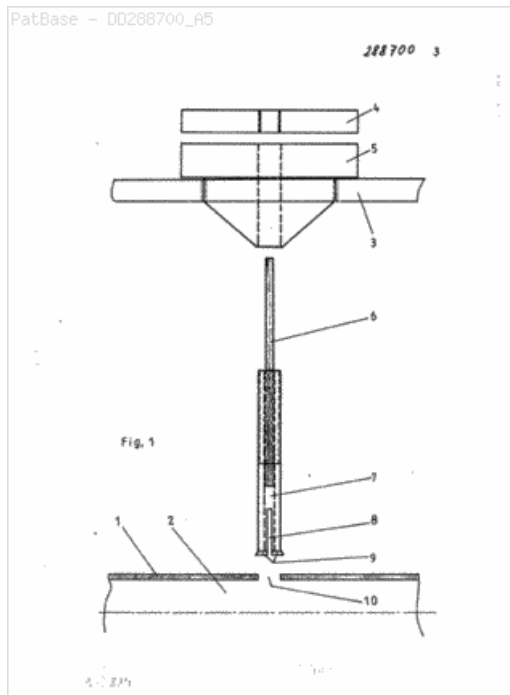
Title: VERFAHREN UND VORRICHTUNG ZUR BEARBEITUNG VON OEFFNUNGEN ZUR TRAENKMASSENACHSPEISUNG AM METALL-MANTEL VON STARKSTROM-MASSE-KABELN, INSBESONDERE VON ALUMINIUMMANTEL-KABELN PROCESS AND APPARATUS FOR MACHINING OF HOLES TO THE SOAKING GROUND MAKE-UP ON THE METAL SHEATH OF POWER GROUND CABLES, IN PARTICULAR FROM ALUMINIUM SHEATH CABLES (Machine translation)

Abstract: Source: DD288700A [Source: Claim 1] 1. Verfahren zur Bearbeitung von oeffnungen zurTraenkmassenachspeisung am Metall-Mantel von Starkstrom-Masse-Kabeln, Insbesondere von Aluminium-Kabeln, wobei In den Mantel eine Bohrung eingebracht, danach ein Adapter befestigt und ein Behaelter zurTraenkmassenachspeisung ueber eine druckdichte Verbindung angeschlossen wird, gekennzeichnet dadurch, dass gleichzeitig zur Beseitigung des inneren Bohrlochgrates eine Aufweitung sowie eine Anhebung der Mantelbohrung durchgefuehrt wird. [Source: claim 1] 1 procedure for handling of openings zurTraenkmassenachspeisung of the metal mantle of power ground cables, particularly of aluminium cables, where a hole an adapter inserted into the mantle, then attached and a container zurTraenkmassenachspeisung connected, identified through a pressure-tight connection by the fact that at the same time to eliminate the inner hole Ridge an expansion as well as raising the coat bore runs.

Classifications:

International (IPC 8-9): H02G1/10 (Advanced/Invention); H02G1/10 (Core/Invention)

International (IPC 1-7): H02G1/10

**Family:**

Publication number	Publication date	Application number	Application date
DD288700 A5	19910404	DD19890333874	19891025

Priority:

DD19890333874 19891025

Probable Assignee: VOELKERFREUNDSCHAFT KRAFTWERKE**Assignee(s):** (std): KRAFTWERKE VOELKERFREUNDSCHAFT ; VOELKERFREUNDSCHAFT KRAFTWERKE**Assignee(s):** VEB KRAFTWERKE VOELKERFREUNDSCHAFT DE**Inventor(s):** (std): POSCHKA KLAUS ; SCHMIDT REINER**Inventor(s):** SCHMIDT REINER DD ; POSCHKA KLAUS DE**13) Family number: 11726285 (US5723819A)**

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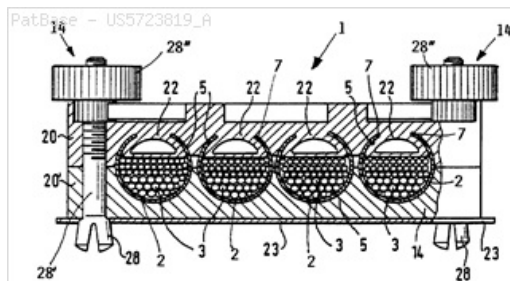
Title: CONDUCTOR CHANNEL FOR INSTALLING INSULATED ELECTRICAL CONDUCTORS

Abstract: Source: US5723819A A conductor channel is used for the laying of insulated electrical conductors (3) in an air- or spacecraft, whereby the channel can be integrated into a conductor channel system. The conductor channel is made of at least one open hollow section (2), wherein the conductors (3) are held by a retaining strip (8) held in place by edges (7) of the hollow section (2). The strip (8) closes the hollow section. A tension relief element (11) for the conductors (3) is arranged at each channel end. A mounting (13) having upper and lower parts (20, 20') for electrically grounding the hollow section (2) is installed to hold the hollow section (2) next to each tension relief element (11). Spacers (14) may be distributed between the two mountings (13) along the length of the hollow section (2). The mountings (13) are fastened to a support (23). The hollow section (2) is fixed in and fastened to the mountings (13), whereby the free ends of the hollow section (2) may engage a projection (22) of an upper mounting part (20) which snaps in between the edges (7). The projection (22) projects into the hollow section (2) to provide a sufficient stability. Electrically conducting material is used for channel components for including these channels into a protective system against electrical dangers with a mass or ground connector, which is connected to the grounding mounting (13). Transition pieces (12) mounted to the hollow section (2) allow the further connection to another electrical and/or protective conductor system.

Classifications:

International (ipc 8-9): F16L3/24 H01B7/24 H02B1/20 H02G3/04 H02G3/38 H02G5/06 (Advanced/Invention);
F16L3/24 H01B7/18 H02B1/20 H02G3/04 H02G3/36
H02G5/00 (Core/Invention)

International (ipc 1-7): B64D47/00 B64G9/00 F16L3/24 H01B7/24 H02G13/00 H02G15/007 H02G3/04 H02G3/26 H02G3/28 H02G3/38 H02G5/06

CPC: H02B1/202**European:** H02B1/20B**US:** 174/70C 174/95 174/97 248/68.1 248/681**Family:**

Publication number	Publication date	Application number	Application date
DE4230771 A1	19940317	DE19924230771	19920915
DE4230771 C2	19960314	DE19924230771	19920915
DE59300946 D1	19951221	DE19935000946	19930902
EP0588174 A1	19940323	EP19930114069	19930902
EP0588174 B1	19951115	EP19930114069	19930902
JP3587543 B2	20041110	JP19930176942	19930716
JP6196026 A2	19940715	JP19930176942	19930716
RU2134008 C1	19990727	RU19930052704	19930914
US5723819 A	19980303	US19930121635	19930914

Priority:

DE19924230771 19920915

DE19935000946 19930902

Probable Assignee: DAIMLERCHRYSLER AEROSPACE AIRBUS GMBH**Assignee(s):** (std): DEUTSCHE AEROSPACE AIRBUS ; AEROSUPEESU AIRBUS GMBH DEUTSC ; DAIMLER BENZ AEROSPACE AIRBUS ; DOJCHE EHJROSPEJS EHJRBUS GMBK**Assignee(s):** DOJCHE EHJROSPEJS EHJRBUS GMBKH ; DAIMLER BENZ AEROSPACE AIRBUS GESELLSCHAFT MIT BES ; DAIMLER BENZ AEROSPACE AIRBUS GESELLSCHAFT MIT BESCHRAENKTER HAFTUNG ; DAIMLER BENZ AEROSPACE AIRBUS GMBH ; DAIMLERCHRYSLER AEROSPACE AIRBUS GMBH ; DEUTSCHE AEROSUPEESU AIRBUS GMBH ; DEUTSCHE AEROSPACE AIRBUS GMBH ; DEUTSCHE AEROSPACE AIRBUS GMBH 21129 HAMBURG DE ; DAIMLER BENZ AEROSPACE AIRBUS GMBH 21129 HAMBURG D ; DAIMLER BENZ AEROSPACE AIRBUS GMBH 21129 HAMBURG DE**Inventor(s):** (std): GUNDOLF F PAUL ; GUNDORUFU PAURU ; KIRMA SAFA ; KIRMA SAFA DIPL ING ; PAUL GUNDOLF ; PAUL GUNDOLF DIPL ING ; SAFA KIRMA ; ZAFUA KIRUMA**Inventor(s):** PAUL GUNDOLF DIPL ING 2087 BOENNINGSTEDT DE ; PAUL GUNDOLF DIPL ING 25474 BOENNINGSTEDT DE ; PAUL GUNDOLF D 25474 BOENNINGSTEDT DE ; KIRMA SAFA DIPL ING 2000 WEDEL DE ; KIRMA SAFA DIPL ING 22880 WEDEL DE ; KIRMA SAFA D 22880 WEDEL DE**Designated states:** DE FR GB**14) Family number: 17893248 (EP0744788A1)**

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Title: DEVICE FOR ELECTRICALLY CONTACTING A METALLIC PIPE

Abstract: A tube ae1ue used to carry a fluid or cables is of metal and is enclosed within a plastic sleeve ae3ue. In order that an electrical earthing connection is made with the tube a shell element ae2ue of metal is clamped to the tube at a specific location. The shell is in the form of an open circular clip having radially projecting flanges. These can be clamped together when the clip has been located on the tube and a copper insert ae4ue is provided for good contact. The ends have formed lips ae11, 12ue to locate the plastic tube. Fixing holes are provided for earthing clamps.

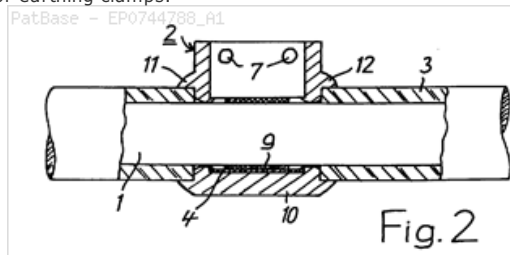
Classifications:**International (IPC 8-9):** F16L25/01 H01R4/60

H01R4/64 (Advanced/Invention);

F16L25/00 H01R4/58 H01R4/64 (Core/Invention)

International (IPC 1-7): H01R4/38 H01R4/42 H01R4/48 H01R4/60

H01R4/64 H01R4/66 H02G15/08

CPC: F16L25/01 H01R4/60 H01R4/643**European:** F16L25/01 H01R4/60 H01R4/64B**Family:**

Publication number	Publication date	Application number	Application date
AU199652172 A1	19961128	AU19960052172	19960509
AU199660759 A1	19961107	AU19960060759	19960729
AU691117 B2	19980507	AU19960060759	19960729
DE19528140 A1	19961121	DE19951028140	19950801
DE59602468 D1	19990826	DE19965002468	19960510
EP0744788 A1	19961127	EP19960107510	19960510
EP0744788 B1	19990721	EP19960107510	19960510
ES2134534 T3	19991001	ES19960107510T	19960510

Priority:

DE19951018562 19950520

DE19951028140 19950801

DE19965002468 19960510

Probable Assignee: ALCATEL**Assignee(s):** (std): ALCATEL KABEL AG ; ALCATEL NV ; CIT ALCATEL ; ALCATEL N V**Assignee(s):** ALCATEL KABEL AG AND CO ; ALCATEL KABEL AG AND CO 30179 HANNOVER DE ; ALCATEL**Inventor(s):** (std): FRANCOIS CAUDERAY ; HANS JURGEN SCHIEFER ; HORN THOMAS ; CAUDERAY FRANCOIS ; SCHIEFER HANS JUERGEN ; SCHIEFER HANS JURGEN ; THOMAS HORN**Inventor(s):** SCHIEFER HANS JUERGEN 30167 HANNOVER DE ; CAUDERAY FRANCOIS 30853 LANGENHAGEN DE ; HORN THOMAS 30165 HANNOVER DE**Agent(s):** ALCATEL AUSTRALIA LTD**Designated states:** DE ES FR GB IT NL SE**15) Family number: 10797168 (US6045373A)**

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Title: Connection terminal, in particular for connecting branch conduits to electric mains, as well as contact element for it

Abstract: Source: US6045373A The present invention relates to a connection terminal for connecting branch conduits to electric mains, preferably a ground lead. The connection terminal includes clamping elements which may be applied around the electric main, a contact element for establishing an electric contact between the electric main and the branch conduit, and a clamping device for clamping the clamping elements to each other and to the electric main in a safe position. The contact element includes an opening for inserting the branch conduit and a spring element having spring devices which are deformable by the branch conduit during insertion and which retain the position of the branch conduit as well as establish an electric contact between the contact element and branch conduit.

Classifications:**International (IPC 8-9):** H01R4/48 H01R4/64

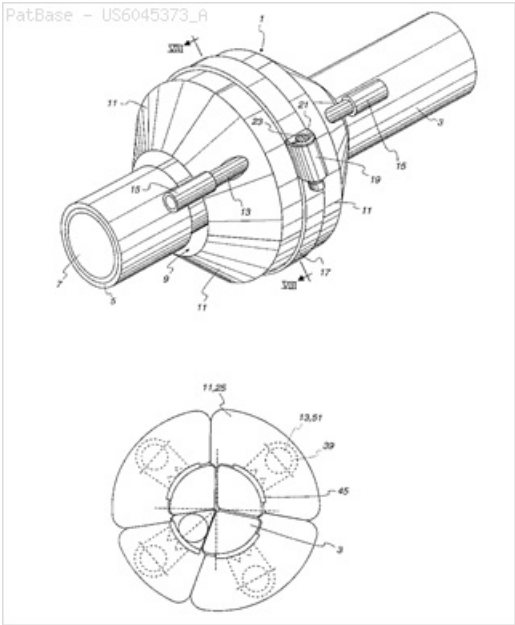
H01R9/03 (Advanced/Invention);

H01R4/48 H01R4/64 H01R9/03 (Core/Invention)

International (IPC 1-7): H01R4/24 H01R4/26 H01R4/48 H01R4/64

H01R4/66 H02G15/08

CPC: H01R4/2404 H01R4/26 H01R9/031 H01R11/20**European:** H01R11/20 H01R4/24A H01R4/26 T01R9/03D



Family:

Publication number	Publication date	Application number	Application date
AT408249 E	20080915	AT19960115829T	19961002
DE19539184 A1	19970424	DE19951039184	19951020
DE19539184 C2	19990311	DE19951039184	19951020
DE19539184 C3	20021212	DE19951039184	19951020
DE59611485 D1	20081023	DE19965011485	19961002
EP0769825 A2	19970423	EP19960115829	19961002
EP0769825 A3	19980225	EP19960115829	19961002
EP0769825 B1	20080910	EP19960115829	19961002
ES2332957 T3	20100215	ES19960115829T	19961002
US6045373 A	20000404	US19960733980	19961018

Priority:

DE19951039184 19951020

Probable Assignee: GERHARD PETRI GMBH AND CO KG

Assignee(s): (std): GERHARD PETRI GMBH AND CO ; GERHARD PETRI GMBH AND CO KG ; PETRI GERHARD GMBH AND CO KG ; GPH GMBH

Assignee(s): GERHARD PETRI GMBH ; GERHARD PETRI GMBH AND CO KG 95028 HOF DE ; GERHARD PETRI GMBH AND CO KG ELEKTROTECHNISCHE FAB ; GERHARD PETRI GMBH AND CO KG ELEKTROTECHNISCHE FABRIK

Inventor(s): (std): HARDT FALK ; HARDT FALK DIPL ING FH

Inventor(s): HARDT FALK 95176 KONRADSREUTH DE ; HARDT FALK DIPL ING

Agent(s): STROBEL WOLFGANG

Designated states: AT BE CH DE DK ES FR GB IT LI LU NL PT SE

16) Family number: 47948871 (KR19980061204U)

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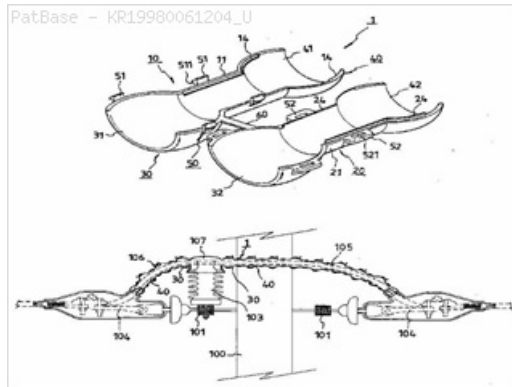
Title: Front protective cover (Machine translation)

Abstract: Source: KR19980061204U The present design is to be separated respectively by mankind is fixed clamp for interconnecting a ground line post insulator (LP) is the support on the insulators to protective cover for protecting the electric wire, and more particularly, relates to cover the wire clamp is provided between human bending in the form of wire which is connected to the connected to the free regardless of such as a short circuit or a poor insulation caused by an electric (??) wire to prevent accidents by relates to a protective cover, the present invention in order to achieve this, the cover line post insulators to cover and at the same time, while being connected to the line post, in which the protective cover is a wire for wire in forming the protective cover (1) inside the hollow type:, the support tube 11 (21) Cross-partition assembly is at both ends of the holder (30) of different sizes and , to form a semicircle sapseol part 40, 42 are integrally formed with the pipe body (31, 32)(41,; the pair of a pair of the cover body 10, the cover body 10 during assembly in order to prevent the nirvana sapseol unit 40 only the remaining region except the region to be formed with mutually corresponding plurality of protrusion piece 51 and the protruding pieces (52) (50); wherein the cover is made of a locking means (10, 20) integrally without being separated from each other The holder (30) connected to the support tube (31, 32) between the semicircular constituting a connection strip (60) is giving a speech in the configured regardless of the bent form to the wire insulation cover easily it can be simple.

Classifications:

International (IPC 8-9): H02G7/00 (A dvanced/Non-invention)

International (IPC 1-7): H02G7/00



Family:

Publication number	Publication date	Application number	Application date
KR19980061204 U	19981105	KR19970005407U	19970321

Priority:

KR19970005407U 19970321

Probable Assignee: THREE WON INDUSTRIAL CO LTD

Assignee(s): THREE WON INDUSTRIAL CO LTD

17) Family number: 15036270 (US6222968B)

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Title: Cable fitting for a light waveguide cable, which is secured to a cable of a high-voltage overhead line

Abstract: Source: US6222968B The invention provides a cable fitting which receives light waveguide cables, which are supported by high-voltage overhead lines, or their light waveguide splices and excess lengths. The light waveguide cables are secured to a ground cable or a phase cable of a high-voltage overhead line by a bracket and are decoupled from the high-voltage via an insulator on a down-lead to the cable fitting.

Classifications:

International (IPC 8-9): G02B6/44 G02B6/48 H02G1/04 H02G15/08 H02G15/117 (Advanced/Invention);

H02G15/007 H02G7/00 (Advanced/Non-invention);

G02B6/44 G02B6/46 H02G1/04 H02G15/08

H02G15/10 (Core/Invention);

H02G15/007 H02G7/00 (Core/Non-invention)

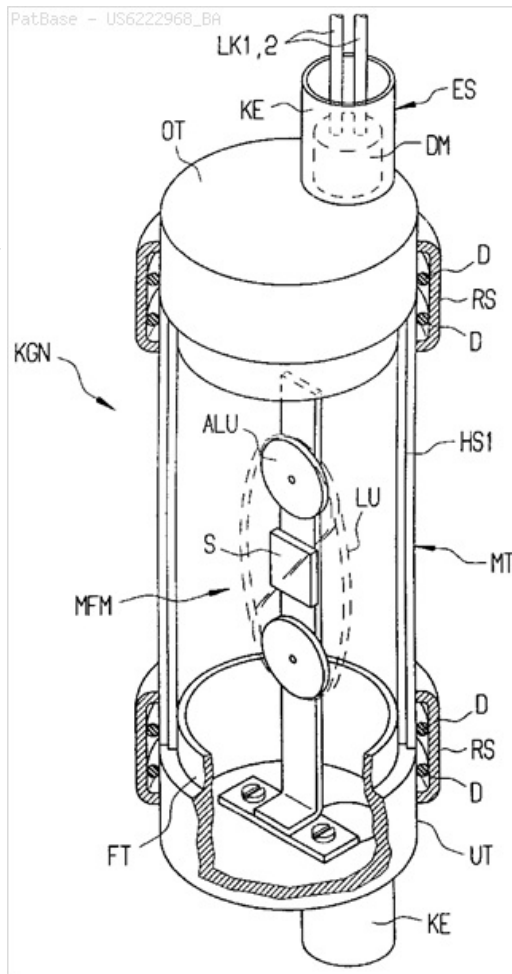
International (IPC 1-7): G02B6/36 G02B6/44 H02G15/08 H02G6/44 H02G7/05

CPC: G02B6/442 G02B6/4446 G02B6/483 H02G1/04 H02G7/00

H02G15/007 H02G15/08 H02G15/117

European: G02B6/44C6A1S G02B6/44C8A2K G02B6/48A H02G1/04 H02G15/08 H02G15/117 T02G15/007 T02G7/00

US: 174/70A 385/100 385/134 385/135



Family:

Publication number	Publication date	Application number	Application date
AR019446 AA	20020220	AR1999P103592	19990721
BRPI9902831 A	20000328	BR1999P102831	19990720
DE19832821 C1	19991202	DE19981032821	19980721
EP0974857 A1	20000126	EP19990112570	19990701
US6222968 BA	20010424	US19990358749	19990721

Priority:

DE19981032821 19980721

Probable Assignee: CCS TECHNOLOGY INC**Assignee(s):** (std): SIEMENS AG**Assignee(s):** SIEMENS AKTIENGESELLSCHAFT ; CCS TECHNOLOGY INC**Inventor(s):** (std): DOTZER PETER ; MAYR ERNST**Inventor(s):** PETER DOTZER ; ERNST MAYR**Designated states:** FR GB IT**18) Family number: 30089112** (US2002058430A)

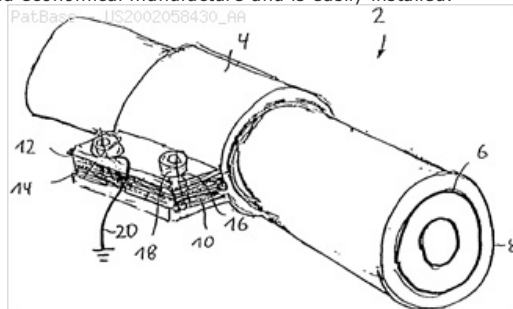
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Title: Device for contacting in particular elongated, illustratively substantially cylindrical bodies such as cables or pipes/tubes

Abstract: Source: US2002058430A A device, used to contact in electrically conducting manner an electrically conducting part of in particular an elongated, illustratively substantially cylindrical body such as a pipe or a cable, comprises a base structure fitted with a rest surface with which to rest against the body to be contacted and with contact means to set up an electrically conducting connection between the body to be contacted and a conductor, for instance a grounding cable. The device of the invention is characterized in that the base structure comprises at least one contact protrusion made of an electrically conducting material and projecting perpendicularly to and in the direction of the rest surface in such manner that in the assembly position it will rest against the electrically conducting part of the body to be contacted and in this manner will form the contact means. The device of the invention allows simple and economical manufacture and is easily installed.

Classifications:**International (IPC 8-9):** B60R25/04 B60R25/042 B60R25/044 F16L11/127 F16L25/00 F16L25/01 H01R13/64 H01R13/648 H01R4/60 H01R4/64 (Advanced/Invention);

F16L25/00 H01R4/60 (Advanced/Non-invention);

B60R25/04 F16L11/12 F16L25/00 H01R13/64 H01R13/648 H01R4/58 H01R4/64 (Core/Invention)**International (IPC 1-7):** F16L F16L011/127 F16L025/00 F16L11/127 F16L25/00 F16L25/01 H01L4/60 H01L4/64 H01R H01R004/60 H01R004/64 H01R4/00 H01R4/42 H01R4/48 H01R4/58 H01R4/60 H01R4/64 H01R4/66 H01R4/70 H02G15/08**CPC:** F16L25/01 H01R4/643**European:** F16L25/01 H01R4/64B**US:** 439/100 439/799 439/98**Locarno class:** 43/91**Family:**

Publication number	Publication date	Application number	Application date
AT201260 E	20010615	AT19990116376T	19990820
AU199955182 A1	20000314	AU19990055182	19990820
AU199955182 A5	20000314	AU19990055182	19990820
AU741852 B2	20011213	AU19990055182	19990820
BRPI9913657 A	20010605	BR1999PI13657	19990820
CA2340190 AA	20010212	CA19992340190	19990820
CN1210844 C	20050713	CN19991018140	19990824
CN1251473 A	20000426	CN19991018140	19990824
CZ12327 U1	20020814	CZ20010012470U	19990820
CZ16749 U1	20060913	CZ20060017534U	20060316
CZ20010640 A3	20011017	CZ20010000640	19990820
CZ294923 B6	20050413	CZ20010000640	19990820
DE19841199 A1	20000302	DE19981041199	19980909
DE19939331 A1	20000413	DE19991039331	19990819
DE29923517 U1	20001123	DE19992023517U	19990820
DE59900092 D1	20010621	DE19995000092	19990820
EP0982524 A1	20000301	EP19990116376	19990820
EP0982524 B1	20010516	EP19990116376	19990820
ES2158716 T3	20010901	ES19990116376T	19990820
HK1025431 A1	20051111	HK20000104543	20000724
ID28429 A	20010524	ID20010000629	19990820
KR20010072955 A	20010731	KR20017002390	19990820
PL197144 B1	20080331	PL19990346708	19990820
PL346708 A1	20020225	PL19990346708	19990820
RU2001107847 A	20030310	RU20010107847	19990820
RU2206812 C2	20030620	RU20010107847	19990820
TR200100572 T2	20010723	TR20010000572T	19990820
US2002058430 AA	20020516	US19990491841	19990823
US7018221 BB	20060328	US19990491841	19990823
VN3430 A1	20030526	VN20010000282	20010323
WO0011391 A1	20000302	WO1999EP06118	19990820
ZA200101400 A	20010919	ZA20010001400	20010220

Priority:

CZ20060017534U 20060316

DE19981041199 19980909

DE19982015063U 19980824

WO1999EP06118 19990820

DE19991039331 19990819

DE19992023517U 19990820

DE19995000092 19990820

Probable Assignee: DAUME PATENTBESITZGESELLSCHAFT MBH AND CO KG

Assignee(s): (std): DAUME PATENTBESITZGMBH AND CO KG ; KARIN DAUME MASCHINENTEILE GMB ; KARIN DAUME MASCHINENTEILE GMBH AND CO KG ; KARINDOMOR MECHANICAL ELEMENTS ; KUNA MILOS ; KARINDOMOR MECHANICAL ELEMENTS GMBH AND CO ; KARINDOMOR MECHANICAL ELEMENTS GMBH ; KARIN DAUME MASHINENTAJLE GMBKH UND KO KG ; KARIN DAUME MASHINENTAJLE GMBK ; DAUME BRITTA ; DAUME KARIN ; DAUME KARIN MASCHINENTEILE

Assignee(s): DAUME PATENTBESITZGESELLSCHAFT MBH AND CO ; DAUME PATENTBESITZGESELLSCHAFT MBH AND CO KG ; KARIN DAUME MASCHINENTEILE GMBH AND COKG

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Agent(s): FB RICE; FB RICE PTY LTD; DENNISON ASSOCIATES; SHLESINGER ARKWRIGHT AND GARVEY LLP

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM 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

19) Family number: 29687408 (US6968762B) © PatBase

Title: PIPE PREPARING TOOL V

Abstract: Source: US6968762B This invention relates to pipe preparing tools, and more particularly to a novel pipe preparing tool suitable for cutting, scoring or penetrating a surface of a plastics pipes.

Classifications:

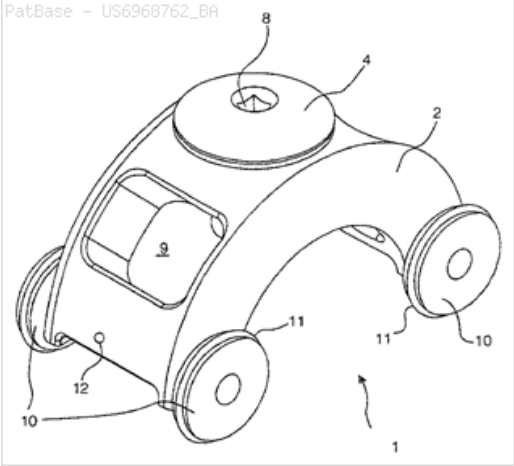
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International (IPC 1-7): B21F13/00 B23D21/10 B26D3/16 H02G1/12

CPC: Y10S83/924 H01L23/427 H01L2924/0002 B23D21/10 B26D3/001 B26D3/166 B26D3/169 B26D3/28 Y10T83/0304 Y10T83/0596

European: B23D21/10 B26D3/00B B26D3/16F B26D3/16H B26D3/28 H01L23/427

US: 257/E23.088 30/90.4 30/904 81/9.4 81/94 83/54 83/540 83/875 83/924



Family:

Publication number	Publication date	Application number	Application date
AT255480 E	20031215	AT20000931375T	20000519
AT275017 E	20040915	AT20000076034T	20000519
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AU200049334 A5	20001212	AU20000049334D	20000519
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DE60013493 D1	20041007	DE20006013493	20000519
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DK1181125 T3	20040405	DK20000931375T	20000519
DK1346791 T3	20041213	DK20000076034T	20000519
EP1181125 A1	20020227	EP20000931375	20000519
EP1181125 B1	20031203	EP20000931375	20000519
EP1346791 A1	20030924	EP20030076034	20000519
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ES2211547 T3	20040716	ES20000931375T	20000519
ES2225811 T3	20050316	ES20030076034T	20000519
GB2345875 A1	20000726	GB19990012091	19990525
GB2345875 B2	20010530	GB19990012091	19990525
GB9912091 A0	19990728	GB19990012091	19990525
PT1181125 T	20040430	PT20000931375T	20000519
PT1346791 T	20050131	PT20030076034T	20000519
US6968762 BA	20051129	US20000979364	20000519
WO0071288 A1	20001130	WO2000GB01840	20000519

Priority:

EP20000931375 20000519 GB19990012091 19990525 WO2000GB01840 20000519

Probable Assignee: RADIUS SYSTEMS LTD

Assignee(s): (std): FARRAR STEVEN GARFIELD ; MUCKLE DEREK ; LILLEY GORDON LESLIE ; MYERS PAUL NICHOLAS ; SMITH IAN ; UPONOR LTD ; UPONOR LIMITED ; CALDERVALE TECHNOLOGY LIMITED ; CALDERVALE TECHNOLOGY LTD

Assignee(s): CALDERVALE TECHNOLOGY LTD BATLEY ; CALDERVALE TECHNOLOGY LTD LIVERSEDGE ; RADIUS SYSTEMS LTD ; UPONOR LTD ALFRETON

Inventor(s): (std): FARRAR GARFIELD ; FARRAR STEVEN GARFIELD ; LILLEY GORDON LESLIE ; LILLEY LESLIE ; MUCKLE DEREK ; MYERS NICHOLAS ; MYERS PAUL NICHOLAS ; SMITH IAN ; STEVEN GARFIELD FARRAR ; PAUL NICHOLAS MYERS ; IAN SMITH ; GORDON LESLIE LILLEY ; DEREK MUCKLE

Agent(s): GRIFFITH HACK; FISH AND RICHARDSON PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ 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 MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Title: ELECTRICALLY CONDUCTIVE PIPE OR CABLE CLIP

Abstract: Source: US6910899B A device for forming an electrically conductive contact with an electrically conductive component of an elongated body is provided. The device includes a base structure for disposition on the body to be contacted, and a separate contact element for contacting the body in a contact mounting position for producing an electrically conductive connection between the electrically conductive component and a ground cable. The contact element is formed of profiled sheet metal. The base structure is comprised of an elastic material that on the side turned toward the contact element comprises a disposition surface for the disposition of the contact element thereon over substantially the entire length of the contact element.

Classifications:

International (IPC 8-9): F16L11/127 F16L25/00 F16L25/01 H01R4/28 H01R4/60 H01R4/64 H01R4/66 H01R9/05 H02G3/30 (Advanced/Invention);

F16L11/00 F16L11/12 F16L25/00 H01R4/00 H01R4/28 H01R4/58 H01R4/64 H01R4/66 H01R9/05 H02G3/30 (Core/Invention)

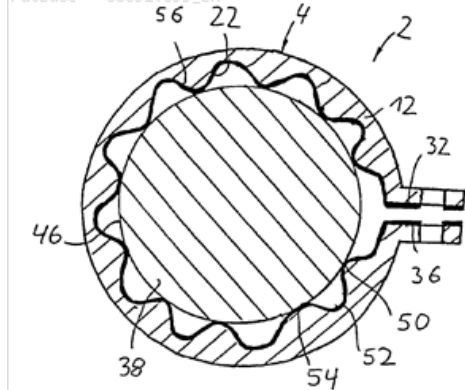
International (IPC 1-7): F16L F16L11/127 F16L25/00 H01R H01R13/648 H01R4/28 H01R4/48 H01R4/58 H01R4/60 H01R4/64 H01R4/66 H01R4/70 H02G15/02

CPC: F16L25/01 H01R4/60 H01R4/643 F16L11/127 H02G3/30

European: F16L11/127 F16L25/01 H01R4/60 H01R4/64B H02G3/30

US: 174/75C 174/78 174/84C 439/100

PatBase - US6910899_B0



Family:

Publication number	Publication date	Application number	Application date
AT255285 E	20031215	AT20000951365T	20000710
AT484860 E	20101015	AT20000954611T	20000809
AU200064333 A1	20010814	AU20000064333	20000710
AU200064333 A5	20010814	AU20000064333D	20000710
AU200067008 A1	20020114	AU20000067008	20000809
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BRPI0017087 A	20021105	BR2000PI17087	20000710
BRPI0017278 A	20060301	BR2000PI17278	20000809
CA2398455 AA	20020725	CA20002398455	20000710
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CZ20022578 A3	20030618	CZ20020002578	20000710
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DE20012363 U1	20011108	DE20002012363U	20000714
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PL201494 B1	20090430	PL20000357411	20000710
PL357411 A1	20040726	PL20000357411	20000710
RU2002123578 A	20040410	RU20020123578	20000710
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RU2265265 C2	20051127	RU20020123578	20000710
TR200201810 T2	20021223	TR20000001810T	20000710
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US6910899 BA	20050628	US20020312919	20021227
US6943299 BA	20050913	US20030181955	20030606
WO0157959 A1	20010809	WO2000EP06532	20000710
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Priority:

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WO2000EP06532 20000710	WO2000EP07722 20000809	

Probable Assignee: DAUME PATENTBESITZGESELLSCHAFT MBH

Assignee(s): (std): DAUME PATENTBESITZGESELLSCHAFT MBH ; KARIN DAUME MASCHINENTEILE GMB ; KALINDOWMO MALCHINERY FITTINGS ; KALINDOWMO MACHINERY FITTINGS ; DAUME PATENTBESITZGMBH ; DAUME PATENTBESITZGMBH AND CO KG ; DAUME BRITTA ; DAUME KARIN MASCHINENTEILE

Assignee(s): DAUME PATENTBESITZGES ; KARIN DAUME MASCHINENTEILE GMBH AND CO KG ; DAUME PATENTBESITZGESELLSCHAFT MBH AND CO ; KALINDOWMO MALCHINERY FITTINGS GMBH AND CO KG ; KALINDOWMO MACHINERY FITTINGS GMBH AND CO KG ; DAUME PATENTBESITZGESELLSCHAFT MBH AND CO KG

Inventor(s): (std): BREETA DOWMO ; BRITTA DAUME ; DAUME BRITTA ; DOWMO BREETA

Agent(s): DENNISON ASSOCIATES; WAGNER CARSTEN; BECKER ROBERT W; ROBERT W BECKER AND ASSOCIATES; ROBERT W; SHLESINGER ARKWRIGHT AND GARVEY LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ 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 MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

21) Family number: 30092564 (US2002040731A) © PatBase

Title: METHOD AND SYSTEM FOR INSTALLING CABLE IN PRESSURIZED PIPELINES

Abstract: Source: US2002040731A A method of introducing a fiber optic conduit into a pressurized gas pipeline includes the step of introducing a translating member into the pressurized gas pipeline via an entry port in a first drilling nipple attached to the pressurized gas pipeline. Tools are deployed within a first pressure lock housing attached to the first drilling nipple by using a first manipulator located in the first air lock housing. The duct rod is advanced within pressurized gas pipeline by a driving mechanism, until a second drilling nipple is reached. The translating member is attached to a fiber optic conduit. The duct rod and fiber optic conduit are then pulled back or pulled forward through the pressurized gas pipeline by the driving mechanism. A conduit is installed in a gas service line, to line the cable or conduit in a natural gas main pipeline to a telecommunications panel in a building.

Classifications:

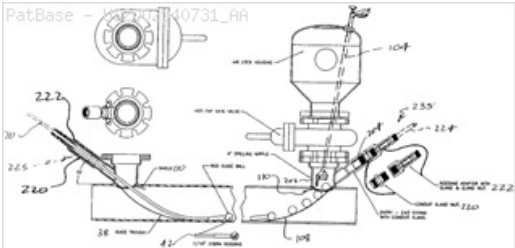
International (IPC 8-9): B65H59/00 F16K15/14 F16K43/00 F16K7/06 F16K7/20 F16L1/024 F16L1/028 F16L1/06 F16L55/124 F16L7/00 G02B6/44 G02B6/46 G02B6/50 H02G1/06 H02G1/08 H02G9/06 (Advanced/Invention); F16K7/00 F16L1/06 F16L55/10 F16L7/00 (Core/Invention)

International (IPC 1-7): B65H59/00 F16K15/14 F16K31/44 F16K43/00 F16K5/14 F16L1/024 F16L1/028 F16L37/08 F16L37/22 F16L37/28 F16L41/04 F16L55/128 F16L55/13 F16L55/18 G01M3/04 G01M3/24 G02B6/44 G02B6/46 G02B6/50 H02G1/06 H02G1/08 H02G9/06

CPC: H02G1/086 Y10T137/0458 Y10T137/0463 Y10T137/0469 Y10T137/612 Y10T137/6123 Y10T137/0419 Y10T137/4259 Y10T137/6969 Y10T137/8158 Y10T137/0441 F16K7/061 F16K7/20 F16L1/06 F16L7/00 F16L55/124 G02B6/00 H02G1/081

European: F16K7/06 F16K7/06B F16K7/20 F16L1/06 F16L55/124 F16L7/00

US: 134/166C 137/15.04 137/15.08 137/15.12 137/15.13 137/15.14 137/240 137/317 137/318 137/357 137/551 138/89 138/94 254/134 254/134.3FT 254/134.3R 254/134.4 254/134FT 285/308 285/316 285/317 385/100 405/154.1 405/156 405/174 405/183.5 405/184



Family:

Publication number	Publication date	Application number	Application date
AU2002237647 AA	20020521	AU20020237647	20011009
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AU200237647 A5	20020521	AU20020037647	20011009
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CA2425595 AA	20020516	CA20012425595	20011009
CN1238237 C	20060125	CN20018017142	20011009
CN1482992 A	20040317	CN20018017142	20011009
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EP1332103 A4	20040721	EP20010986450	20011009
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US2002040731 AA	20020411	US20010876802	20010607
US2002083976 AA	20020704	US20010973961	20011009
US2002189671 AA	20021219	US20020158414	20020529
US2002189672 AA	20021219	US20020159298	20020529
US2003201011 AA	20031030	US20020133239	20020426
US6536463 BA	20030325	US20000685236	20001010
US6681795 BB	20040127	US20010973961	20011009
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US6736156 BB	20040518	US20010876802	20010607
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WO237925 A3	20020829	WO2001US31468	20011009
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Priority:

US20000685236 20001010 US20010876802 20010607 US20010973961 20011009
US20020133239 20020426 WO2003US13075 20030425 WO2001US31468 20011009
US20020158414 20020529 US20020159298 20020529

Probable Assignee: ENOVA CORP

Assignee(s): (std): BEALS SCOTT A ; EVANS ROBERT E ; HAMMER RONALD D ; LEEDS KEVIN ; SEMPRA COMM ; SEMPRA FIBER LINKS ; SEMPRA COMMUNICATIONS

Assignee(s): SULLIVAN SR ; SULLIVAN BARRY F SR ; SULLIVAN SR BARRY F ; RICHARDSON JOHN L ; SEMPRA BROADBAND ; GASCONTROL SPOLECNOST S RO ; ENOVA CORP

Inventor(s): (std): BEALS SCOTT A ; BEALS SCOTT A EVANS ROBERT E H ; EVANS ROBERT E ; HAMMER RONALD D ; KEVIN LEEDS ; LEEDS KEVIN ; RICHARDSON JOHN L ; ROBERT E EVANS ; RONALD D HAMMER ; SCOTT A BEALS

Agent(s): SPRUSON AND FERGUSON; SMART AND BIGGAR

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

Title: Armored cable connector

Abstract: Source: US6398586B A combination of a connector (12) and an armored cable (14), where several inches of the front end of the cable armor tube (20) are stripped away to allow a front portion of the cable to bend up to about 90 Degrees. A flexible polymer overmold (50) is molded around the front of the armor tube and the rear of the connector and the several inches of wire extending forward of the armor tube. The wire front portions (54) are twisted at least a full turn about the cable axis (44) prior to the overmolding, to reduce wire tension when the front portion of the cable is bent. The overmold has flanges (102) that bottom on one another at a 90 Degrees bend of a moderate radius of curvature (R). A wire mesh braiding (80) has a rear end clamped (92) and soldered to the armor and a front end clamped (96) to the connector. An air valve (130) is automatically opened when connectors mate.

Classifications:

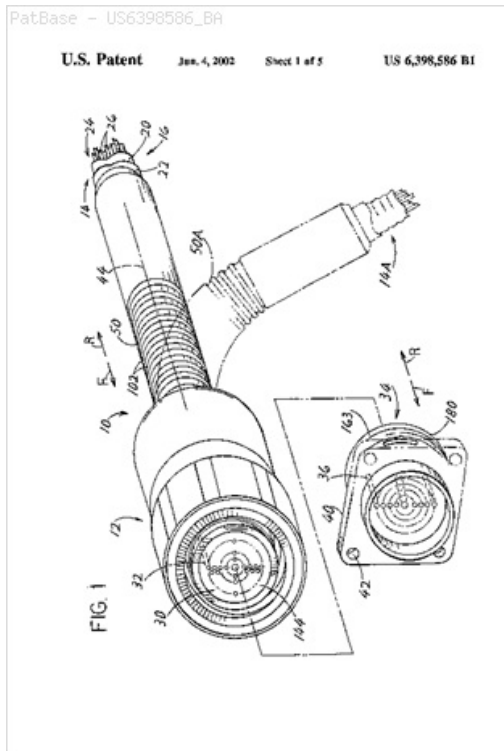
International (IPC 8-9): H01R13/00 H01R13/56 H01R9/03
H02G15/00 H02G15/007 (Advanced/Invention);
H01R13/622 (Advanced/Non-invention);
H01R13/00 H01R9/03 H02G15/00 H02G15/007 (Core/Invention);
H01R13/62 (Core/Non-invention)

International (IPC 1-7): H01R13/56 H02G15/007

CPC: H01R9/032 H01R13/005 H01R13/562 H01R13/622

European: H01R13/00C H01R13/56A H01R9/03S T01R13/622

US: 439/192 439/445 439/606 439/660



Family:

Publication number	Publication date	Application number	Application date
AT307400 E	20051115	AT20020008368T	20020412
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DE60206688 T2	20060713	DE20026006688T	20020412
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US6398586 BA	20020604	US20010847826	20010501

Priority:

US20010847826 20010501

Probable Assignee: ITT MFG ENTERPRISES INC

Assignee(s): (std): ITT MFG ENTERPRISES INC

Assignee(s): ITT MANU CTURING FA ; ITT MANUFACTURING ENTERPRISES INC ; ITT MFG

Inventor(s): (std): MUSZLAY STEVEN ZOLTAN ; MUSZLAY STEVEN ZOLTAN

Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Title: ABRAZADERA PARA ATERIZAMIENTO DE TUBOS PIPE CLAMP GROUND (Machine translation)

Abstract: Source: CO6050038U 1.- Abrazadera para aterrizamiento de tubos caracterizado por ser hecha totalmente en acero inoxidable austenítico tipo 304 como esta descrito en la Norma ASTM A240.2.- Abrazadera para aterrizamiento de tubos caracterizado por utilizar el acero que mejor maneja la corrosión atmosférica.3.- Abrazadera para aterrizamiento de tubos caracterizado por no presentar el fenómeno conocido como corrosión galvánica debido a la homogeneidad de todos sus componentes.4.- Abrazadera para aterrizamiento de tubos caracterizado por tener una vida útil mayor a 15 años.5.- Abrazadera para aterrizamiento de tubos caracterizada por permitir el uso de conductores de sección rectangular, como los flejes, en los cuales ambas superficies contribuyen a la conducción. Los rayos constituyen transientes que tienen una parte importante de su energía en frecuencias elevadas, por lo que la corriente eléctrica de la descarga viajara por la superficie del conductor, no por su núcleo.6.- Abrazadera para aterrizamiento de tubos caracterizada por utilizar un conector de tipo mecánico que permite el acoplamiento entre un fleje y/o alambre con un tubo (conector que no existe en el mercado). 1. grounding clamp tubes characterized by being entirely made in type 304 austenitic stainless steel as described in ASTM A240.2.- grounding clamp pipe characterized by using steel that best handles the corrosion atmosférica.3.- grounding clamp tubes characterized by not presenting the phenomenon known as galvanic corrosion due to the homogeneity of all componentes.4.- grounding clamp pipe characterized by having a longer life años.5.- clamp 15 characterized grounding tubes for allowing the use of rectangular section conductors such as strip, in which both surfaces contribute to conduction. The rays are transients that have a significant portion of their energy at high frequencies, so that the electric current discharge traveling across the surface of the conductor, not its núcleo.6.- grounding clamp tubes characterized by using a connector

allowing mechanical coupling between a strip and / or wire with a tube connector (not available on the market).

Classifications:

International (IPC 8-9): H02G3/00 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
CO6050038 U1	20090630	CO20080130340U	20081209

Priority:

CO20080130340U 20081209

Probable Assignee: FUSION INTERNACIONAL LTDA

Assignee(s): FUSION INTERNACIONAL LTDA

Inventor(s): GUY COMBEAU VILLARREAL

Agent(s): GUSTAVO ADOLFO ORTEGA HERNANDEZ

24) Family number: 54662993 (CN203166287U)

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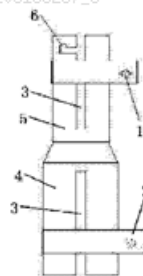
Title: GENERIC CONNECTION CASING FOR GROUNDING WIRE CLAMP AND ELECTROSCOPE

Abstract: Source: CN203166287U The utility model provides a generic connection casing for a grounding wire clamp and an electroscope. The generic connection casing comprises a connection pipe I and a connection pipe II; one ends, opposite to each other, of the connection pipe I and the connection pipe II are at least uniformly provided with two strip-shaped holes, and one ends, facing each other, of the connection pipe I and the connection pipe II are fixedly connected with each other; the strip-shaped holes are arranged along the axial directions of the connection pipe I and the connection pipe II; positioning hoop sleeves are sheathed outside the connection pipe I and the connection pipe II; and a bayonet communicated with the strip-shaped holes is arranged in the side wall of the connection pipe I. The connection pipe I is matched with a grounding wire clamp or a handle of an electroscope, the connection pipe II is matched with an insulated operating rod, and the diameters of pipe mouths of the connection pipe I and the connection pipe II can be adjusted according to different connecting pieces. The generic connection casing has a high degree of integration, the number of tools that workers carry is effectively reduced, the generic connection casing is convenient to assemble, and the operation efficiency is improved.

Classifications:

International (IPC 8-9): H01R43/00 H02G1/02 (Advanced/Invention)

PatBase - CN203166287_U



Family:

Publication number	Publication date	Application number	Application date
CN203166287 U	20130828	CN201320180007U	20130411

Priority:

CN201320180007U 20130411

Probable Assignee: STATE GRID CORP CHINA

Assignee(s): (std): BINZHOU POWER SUPPLY CO LTD OF SHANDONG ELECTRIC POWER CORP ; STATE GRID CORP CHINA ; STATE GRID CORP OF CHINA

Assignee(s): STATE GRID OF CHINA CORP ; BINZHOU POWER SUPPLY CO

Inventor(s): (std): WANG LIHUA

25) Family number: 57803971 (US2016204527A)

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Title: APPARATUS FOR MAKING ELECTRICALLY CONDUCTIVE CONTACT

Abstract: Source: US2016204527A Apparatus for making electrically conductive contact with an electrically conductive, elongated, body, for example a pipe or cable. Apparatus includes a base body having a metal carrier element configured as a clamp clampable around body to be contacted, and open in circumferential direction. Apparatus includes a connecting device with a connecting member, by which ends of carrier element are connectable or connected to one another when mounted. Apparatus has a contact device for establishing electrically conductive connection between body contacted and conductor, such as grounding cable. A connecting member configured for cooperating with a guide device for guiding

translatory motion of connecting member, and situated at free ends of carrier element so that in mounted position of apparatus, translatory motion of the connecting member between a guide start and a guide end of guide device achieves a nondestructively detachable form fit, connecting free ends of the carrier element.

Classifications:

International (IPC 8-9): F16L25/01 H01R4/50 H01R4/60 H01R4/64

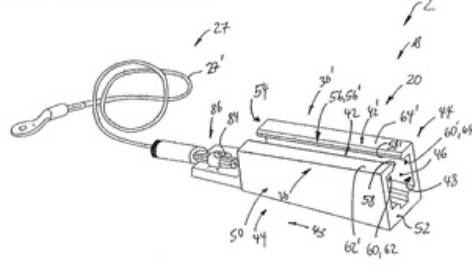
H01R4/66 (Advanced/Invention);

H01R4/50 (Advanced/Non-invention)

CPC: H01R4/646 H01R4/5016 H01R4/643 H01R4/60

US: 439/100

PatBase - US2016204527_AA



Family:

Publication number	Publication date	Application number	Application date
DE102013107430 A1	20150129	DE201310107430	20130712
DE202014103187 U1	20141127	DE201420103187U	20140711
EP3020095 A1	20160518	EP20140739047	20140711
US2016204527 AA	20160714	US20160993910	20160112
US9722329 BB	20170801	US20160993910	20160112
WO15003813 A1	20150115	WO2014EP01906	20140711

Priority:

DE201310107430 20130712 DE201420103187U 20140711 WO2014EP01906 20140711

Probable Assignee: QUESY GMBH AND CO KG

Assignee(s): (std): DAUME BRITTA ; QUESY GMBH AND CO KG

Inventor(s): (std): DAUME BRITTA

Agent(s): WAGNER CARSTEN; SHLESINGER ARKWRIGHT AND GARVEY LLP; WAGNER DR HERRGUTH

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

26) Family number: 59755891 (US2016091147A)

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Title: LED TUBE LAMP

Abstract: Source: US2016091147A A light-emitting diode (LED) tube lamp comprises a lamp tube, a first rectifying circuit, a filtering circuit and an LED driving module. The lamp tube has a first pin and a second pin for receiving an external driving signal. The first rectifying circuit is coupled to the first and second pins, for rectifying the external driving signal to produce a rectified signal. The filtering circuit is coupled to the first rectifying circuit, for filtering the rectified signal to produce a filtered signal. The LED driving module is coupled to the filtering circuit to receive the filtered signal for emitting light. Wherein, the filtering circuit includes a capacitor and an inductor connected in parallel and between one of the first and second pins and the first rectifying circuit, and the parallel-connected capacitor and inductor are configured for presenting a peak equivalent impedance to the external driving signal at a specific frequency.

Classifications:

International (IPC 8-9): A23L11/00 A23N12/02 B05D3/02 B23K1/00

B23K3/047 C09J11/04 C09J161/06 C09J193/02 C09J193/04

F16B11/00 F21K9/20 F21K9/23 F21K9/232 F21K9/235 F21K9/237

F21K9/238 F21K9/27 F21K9/272 F21K9/275 F21K9/278 F21K9/60

F21K9/65 F21K9/66 F21K9/68 F21K9/90 F21K99/00 F21S2/00

F21S4/00 F21S4/24 F21S4/28 F21S9/00 F21V1/00 F21V11/00

F21V13/02 F21V15/00 F21V15/015 F21V15/02 F21V17/00 F21V17/08

F21V17/10 F21V17/12 F21V17/16 F21V19/00 F21V19/02 F21V21/00

F21V21/002 F21V21/096 F21V21/22 F21V21/34 F21V23/00

F21V23/02 F21V23/04 F21V23/06 F21V25/00 F21V25/02 F21V25/04 F21V25/10 F21V25/12 F21V29/00 F21V29/10 F21V29/503

F21V29/508 F21V29/70 F21V29/71 F21V29/74 F21V29/83 F21V29/85 F21V29/87 F21V29/89 F21V29/90 F21V3/00 F21V3/02

F21V3/04 F21V31/00 F21V5/00 F21V5/08 F21V7/00 F21V7/10 F21V7/20 F21V7/22 F21V9/08 F21Y101/02 F21Y103/00

F21Y103/10 F21Y103/37 F21Y115/10 H01J13/46 H01J17/34 H01J19/78 H01J23/16 H01J29/96 H01J7/44 H01K1/62 H01L33/60

H02H3/16 H05B33/08 H05B37/00 H05B37/02 H05B39/00 H05B41/00 H05B41/14 H05B41/16 H05B41/24 H05B6/10 H05K1/02

H05K1/11 H05K1/18 H05K3/34 H05K3/36 (Advanced/Invention);

B23K101/42 C03C21/00 C03C27/04 F21K9/27 F21K9/272 F21K9/275 F21K9/278 F21K9/66 F21V15/015 F21V17/10

F21V23/00 F21V23/02 F21V25/04 F21V29/70 F21V29/83 F21V3/02 F21V3/04 F21V7/00 F21V7/22 F21Y101/00 F21Y101/02

F21Y103/00 F21Y103/10 F21Y103/37 F21Y113/10 F21Y115/10 F21Y2103/10 F21Y2115/10 H01L33/20 H01L33/48 H01R11/30

H01R13/62 H05B33/08 H05K1/11 H05K1/18 (Advanced/Non-invention);

F21K F21S F21V (Subclass/Invention);

F21Y (Subclass/Non-invention)

CPC: H01L33/486 H01L33/60 F21V9/08 H01L2224/45147 F21V17/00 F21V17/08 F21V21/00 F21V13/02 F21K9/90 F21V3/0427

H01L2224/48091 F21V3/049 F21V23/026 Y02B20/383 Y02B20/386 H05B33/0857 F21V5/00 H01R13/6205 H01R11/30

H01L33/20 F21K9/17 F21V19/001 F21V15/00 F21V17/10 F21V23/005 F21V23/004 F21K9/238 F21K9/237 F21Y2105/12

F21K9/232 F21V25/00 H05B33/083 F21V19/02 F21V5/04 F21V29/767 H05B33/0827 F21V31/03 H01L2924/00014 F21V25/02

F21Y2101/02 F21Y2103/003 F21V29/89 H05K1/00 F21K9/60 H05K1/147 H05K2201/10295 F21S2/00 F21V7/00 F21S4/24

F21V23/002 F21S4/10 F21V25/10 F21V29/10 F21V31/005 B23K2201/42 B23K1/0016 F21V23/003 F21V29/70 F21K9/68

F21Y2113/10 F21V17/12 F21K9/235 F21Y2103/00 F21V15/015 H05B33/0818 C03C21/002 C03C27/048 F21K9/1375 F21V7/22

F21Y2101/00 F21K9/175 F21V7/005 F21V17/101 F21V23/06 F21V3/00 F21V15/02 F21V23/00 F21V21/22 F21V23/04

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Y02B20/343 Y02B20/345 F21K9/66 F21V3/02 F21V29/508 H05K2201/10106 H05B33/0821 H05B33/089 F21V29/83

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F21V19/009 H05B6/105 H05B33/0809 H05B37/0218 F21K9/278 F21K9/272 F21K9/27 F21V25/04 F21Y2103/10 F21Y2115/10

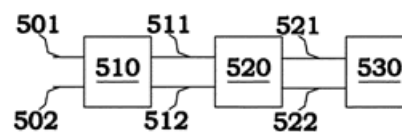
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B23K3/047 F21V3/0418 F21V3/0472 H05B33/0803 H05B33/0815 F21V3/0436 Y02B20/341 B23K3/04 B23K3/08 F21V29/503

US: 1/1 315/119 315/121 315/123 315/127 315/200R 315/205 362/217.01 362/217.02 362/217.05 362/217.17 362/218

362/221 362/222 362/223 362/235

PatBase - US2016091147_AA



Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: JIAXING SUPER LIGHTING ELECTRIC APPLIANCE CO LTD

Assignee(s): (std): CHONGQING YONGCHUAN FERMENTED SOY BEAN FOOD CO LTD ; JIAXING SUPER LIGHT ELECTRIC APPLIANCE CO LTD ; JIAXING SUPER LIGHTING ELECTRIC APPLIANCE CO LTI ; JIAXING SUPER LIGHTING ELECTRIC APPLIANCE CO LTD ; JIAXING SUPER LIGHTING ELECTRIC APPLIANCE CO LTD ; JIAXING SUPER LIGHTING ELECTRIC APPLIANCE CO ; ZHEJIANG SUPER LIGHTING ELECTRIC APPLIANCE CO LTD ; SHANGHAI MINGSHI PHOTOELECTRIC SCIENCE AND TECHNOLOGY CO LTD ; ZHEJIANG SUPER LIGHTING APPLIANCE CO LTD

Assignee(s): ZHEJIANG SUPER LIGHTING APPLIANCE CO ; SHANGHAI MINGSHI PHOTOELECTRIC SCIENCE AND TECHNOLOGY CO ; ZHEJIANG SUPER LIGHTING ELECTRIC APPLIANCE CO ; ZHANG YUEQIANG ; YE QIFENG ; JIAXING SUPER LIGHTING ELECTRIC APPLIANCE COLTD ; XIONG AIMING ; SUN XIAO ; LIU XINTONG ; YANG CHANG ; YAO WENTAO ; XU HONG ; SHANGHAI MING WING OPTOELECTRONICS TECHNOLOGY CO ; JIAXING SUPER LIGHT ELECTRIC APPLIANCE CO ; JIANG TAO ; HU HECHEN ; HU CHANGWEI ; JIAXING SUPER LIGHTING ELECTRIC APPLIANCE CO ; JIANG WENJANG ; CHONGQING YONGCHUAN TEMPEH FOOD CO LTD ; JIAXING SHAN PO LIGHTING CO LTD ; CHEN SHAULIANG ; CHONGQING YONGCHUAN FERMENTED SOY BEAN FOOD CO

Inventor(s): (std): CHANG YANG ; CHEN JUNREN ; CHEN SHAU LIANG ; CHEN ZHONG ; FEI HEPING ; FENG ZOU ; HONG XU ; LIQIN LI ; OTA GIGYO ; SHAO LIANG CHEN ; SHAULIANG CHEN ; SHUANG LIANG LI ; TAO JIANG ; WANG CAIHUA ; WANG DING KAI ; WENJANG JIANG ; WENTAO YAO ; WENZHANG JIANG ; WU XIAOJIA ; XIAOSU YANG ; YAN RONG YIH ; ZHANG YUE QIANG ; YE QIFENG ; YAO GUOHAI ; YANG XIAO SU ; YANG JUN ; YANG CHANG ; XIONG AIMING ; XIANG ZHANGYONG ; WANG CHENG ; WANG BAO ; SUN XIAO ; OTA NOBUTAKA ; LIU XINTONG ; LI LI QIN ; JIANG WEN JANG ; HU HECHEN ; HU CHANGWEI ; CHEN SHAULIANG ; ZOU FENG ; ZHANG YUEQIANG ; ZHANG KANGHONG ; ZENG FANYU ; YAO WENTAO ; YE JIFENG ; YAO WENTAO ; XU HONG ; XINTONG LIU ; XIAOJIA WU ; WANG XUERONG ; WANG DINGKAI ; TANG QICHENG ; QIU JI ; OTA YOSHIKO ; OTA YOSHIGYO ; LI LIQIN ; KANGHONG ZHANG ; JIANG WENZHANG ; JIANG WENJANG ; JIANG TAO ; GUO ZHI ; GIGYO OTA ; DING KAI WANG ; CHEN SHAULIANG ; AIMING XIONG ; ZHU WEIJUN ; ZENG ZHIXIANG ; YANG XIAOSU ; YAN RONGYI ; LIN ZHAOSONG ; LI SHUANG LIANG ; ZHIXIANG ZENG ; ZHAOSONG LIN ; YUEQIANG ZHANG ; WEIJUN ZHU ; SHUANG LIANG LI ; QIFENG YE ; DINGKAI WANG

Agent(s): FISHER ADAMS KELLY CALLINANS; GOWLING WLG CANADA LLP; VON KREISLER SELTING WERNER PARTNERSCHAFT VON PATENTANWALTEN U RECHTSANWALTEN MBB; JOHN STEFANO PASQUALE; ROBERTS MLOTKOWSKI SAFRAN COLE AND CALDERON PC; ANDREW M; MUIR PATENT LAW PLLC; COLE AND CALDERON PC; ROBERTS MLOTKOWSKI; CHINA SINDA INTELLECTUAL PROPERTY LTD; BEIJING EAST IP LTD

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

27) Family number: 63500685 (CN205565008U)

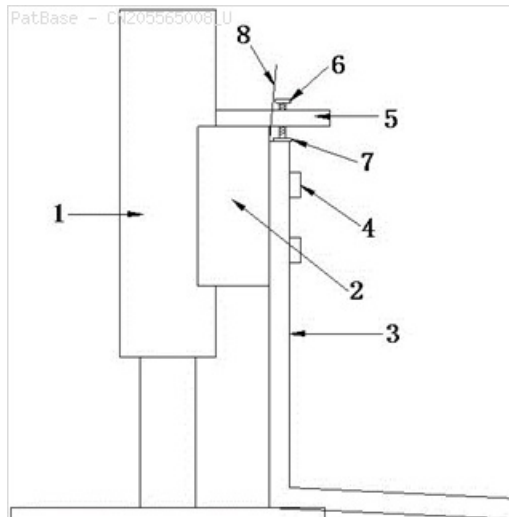
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Title: NOVEL NOT FRAME PIPE CONNECTOR GROUND DEVICE

Abstract: Source: CN205565008U The utility model discloses a novel not frame pipe connector ground device, it relates to earthing device technical field, the side welding of scaffold frame pipe has the channel -section steel, is provided with the adjustment tank on the channel -section steel, and the ground connection band iron passes through the lock plunger to be fixed in the adjustment tank, and the earth connection setting is between channel -section steel and ground connection band iron, and the fixed plate is installed in the upper end of channel -section steel, installs clamp bolt on the fixed plate, and the pressure strip is installed to clamp bolt's lower extreme, and pressure strip and ground connection band iron match, the utility model discloses make ground contact area big, actual measurement ground resistance value satisfies the designing requirement, and ground connection is pleasing to the eye, reaches the requirement of ground connection codes/standards, and be convenient for realize quick adjustment, convenient to use, easy and simple to handle, work efficiency is high, saves time.

Classifications:

International (IPC 8-9): H01R4/66 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN205565008 U	20160907	CN201620229609U	20160324

Priority:

CN201620229609U 20160324

Probable Assignee: STATE GRID CORP CHINA

Assignee(s): (std): STATE GRID CORP CHINA ; STATE GRID CORP OF CHINA ; STATE GRID SHANDONG ELECTRIC POWER CO RIZHAO POWER SUPPLY CO

Assignee(s): STATE GRID OF CHINA CORP ; STATE GRID ELECTRIC POWER CO SHANDONG RIZHAO POWER CO

Inventor(s): (std): CHEN LIANG ; DAI WEI ; HUANG QINGQIANG ; HE JUN ; JIN YU ; SHANG XIN ; ZHOU SHENGLIANG ;

28) Family number: 59602827 (GB2539315A)

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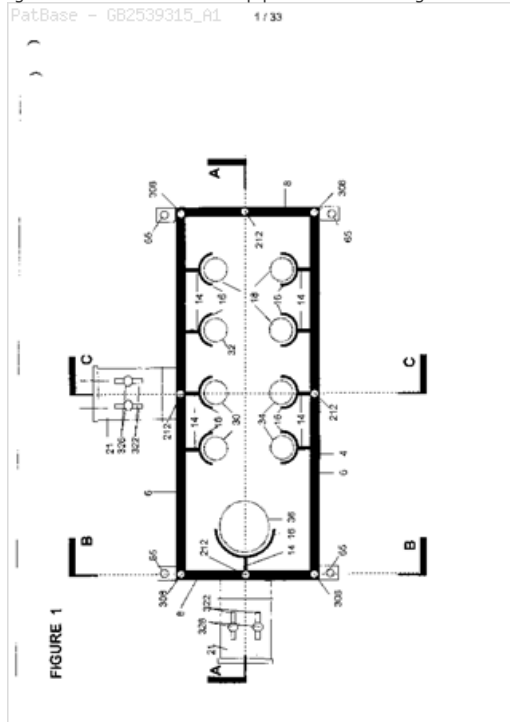
Title: CONSTRUCTION EQUIPMENT AND METHODS (LOCATOR)

Abstract: Source: GB2539315A The building services locator unit includes a body adapted to be attached to a surface of a building and portions which hold at least three elongate building services ducts/pipes 18, 30, 34, 36 in a spaced relationship within the unit. The ducts could relate to electric cabling, gas pipes or other conduits for fluids, liquids. The locator unit has position reference points, such as pins on the body, spaced apart on the body. The locator may include a frame 4 and may allow adjustment of the holding parts. The adjustment may include a part cylindrical guide for abutment and attachment to a building service duct or pipe. The body may include a block structure having recesses to accommodate the elongate building services, and can have a clamp to hold the services. A method of constructing a services unit comprises fixing the unit utilising the position reference points spaced on the body, and attaching three or more ducts or pipes to the holding means.

Classifications:

International (IPC 8-9): E04C2/52 E04F15/02 E04F17/08 E04F19/08 F16L3/22 F16L3/227 F16L5/00 F16L5/02 H02G15/013 H02G3/22 (Advanced/Invention)

CPC: E04F19/08 E04F17/08 F16L3/22 F16L3/227 F16L5/00 F16L5/08 E04C2/521 F16L5/10 F16L5/02 H02G3/22 E04F15/02 H02G3/32 F16L5/14 H02G15/013

**Family:**

Publication number	Publication date	Application number	Application date
GB201506249 A0	20150527	GB20150006249	20150413
GB201506250 A0	20150527	GB20150006250	20150413
GB201506251 A0	20150527	GB20150006251	20150413
GB201506253 A0	20150527	GB20150006253	20150413
GB2537375 A1	20161019	GB20150006251	20150413
GB2537376 A1	20161019	GB20150006253	20150413
GB2537599 A1	20161026	GB20150006249	20150413
GB2537600 A1	20161026	GB20150006250	20150413
GB2539081 A1	20161207	GB20160006390	20160413
GB2539315 A1	20161214	GB20160006389	20160413

Priority:

GB20150006249 20150413 GB20150006250 20150413 GB20150006251 20150413
GB20150006253 20150413

Probable Assignee:

RISER LTD E

Assignee(s): (std):

E RISER LTD ; RISER LTD E

Inventor(s): (std):

ROGER ERIC WALKER

29) Family number: 63879315 (CN205666343U)

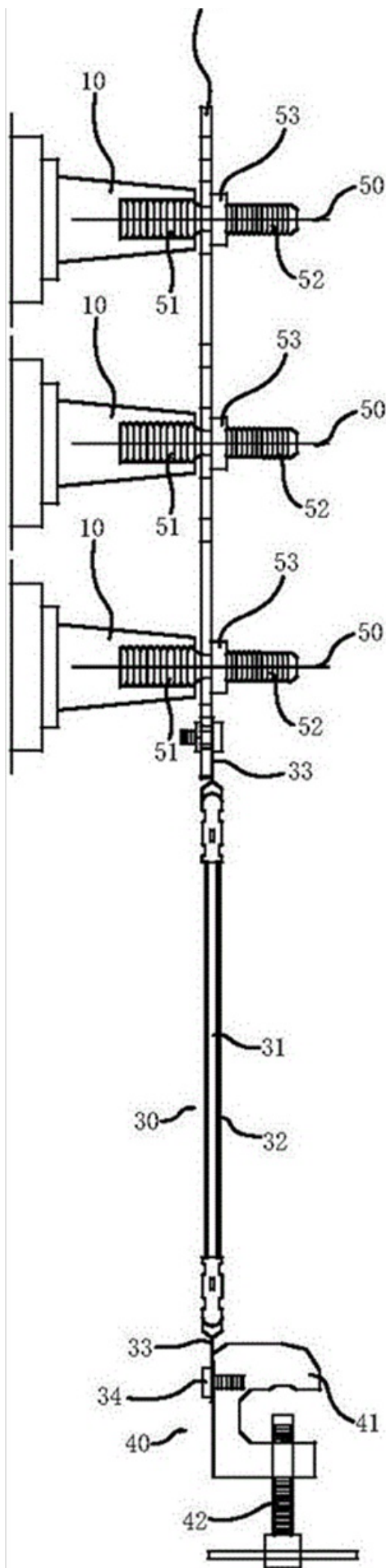
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Title: MODULAR LOOPED NETOWRK CABINET EARTHING DEVICE

Abstract: Source: CN205666343U The utility model relates to a modular looped netowrk cabinet earthing device, including being used for the wire busbar be connected with looped netowrk cabinet cable terminal sleeve pipe electricity, the one end of wire busbar is connected with the one end of earth connection electricity, the other end and the earth clamp electricity of earth connection are connected, the earth clamp is connected with the ground connection stake or the inside earthing conductor electricity of looped netowrk cabinet of the place ground setting of looped netowrk cabinet, looped netowrk cabinet cable terminal sleeve pipe interval is provided with threely, the wire busbar is for the strip slice and be provided with the through -hole, the face and the laminating of cable terminal sleeve pipe pipe end of wire busbar, and be connected through connecting bolt between through -hole and the cable terminal sleeve pipe, it is adj. Tabular that the wire busbar is the strip, can be with the adj. Tabular busbar snap -on of strip in the looped netowrk cabinet on the elbow type cable terminal sleeve pipe through connecting bolt, conveniently realize the ground connection operation of looped netowrk cabinet, and then the ground connection operation on the spot of looped netowrk cabinet power failure spaced has been realized, ensure the safety of the maintainer at operation interval.

Classifications:

PatBase - CN205666343_U 20



Family:

Publication number	Publication date	Application number	Application date
CN205666343 U	20161026	CN201620509291U	20160530

Priority:

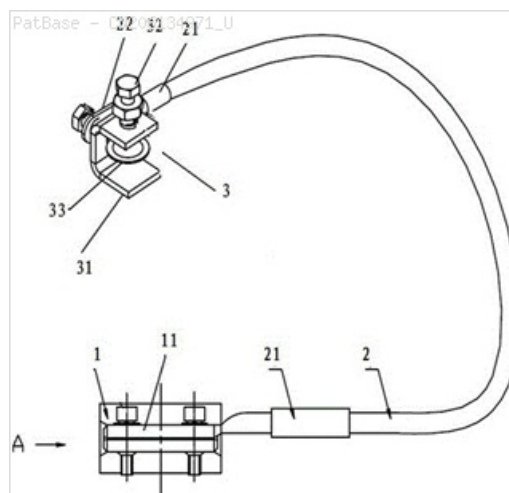
CN201620509291U 20160530

Probable Assignee: STATE GRID CORP CHINA**Assignee(s):** (std): CHUZHOU POWER SUPPLY CO OF STATE GRID ANHUI ELECTRIC POWER CO ; STATE GRID CORP CHINA ; STATE GRID CORP OF CHINA**Assignee(s):** STATE GRID ELECTRIC POWER CO CHUZHOU ANHUI POWER CO ; STATE GRID OF CHINA CORP**Inventor(s):** (std): DAI FANG ; FANG ZHONG ; HUANG WEI ; HUANG YANYUAN ; LI SHUGUI ; LIU YANGYANG ; WANG WENJUN ; WANG YANBANG ; WEI DUJUAN ; WU LAN ; WU ZONGBING ; XU FENG**30) Family number: 65545431 (CN206134971U)**

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Title: GROUND CONNECTION FIXTURE

Abstract: Source: CN206134971U The utility model relates to a ground connection fixture, its innovation point lies in: embrace clamp, cable and connection ground connection including rubber and arrange the device, rubber is embraced to press from both sides and is connected the both ends at the cable respectively with connection ground connection row device, through adopting extra long braid over braid to make the braid over braid fold into a plurality of layers, contact resistance has been reduced to it is better with cable shield layer's contact effect to make rubber embrace the clamp, adopt the elongated area and glued the pyrocondensation pipe, strengthened the waterproof performance of cable, be the waterproof stripe of 360 degrees tight distributions on the rubber armful through -hole inner wall that presss from both sides, improved waterproof grade greatly.

Classifications:**International (IPC 8-9):** H01R11/11 H01R4/48
H01R4/66 (Advanced/Invention)**Family:**

Publication number	Publication date	Application number	Application date
CN206134971 U	20170426	CN201621096499U	20160930

Priority:

CN201621096499U 20160930

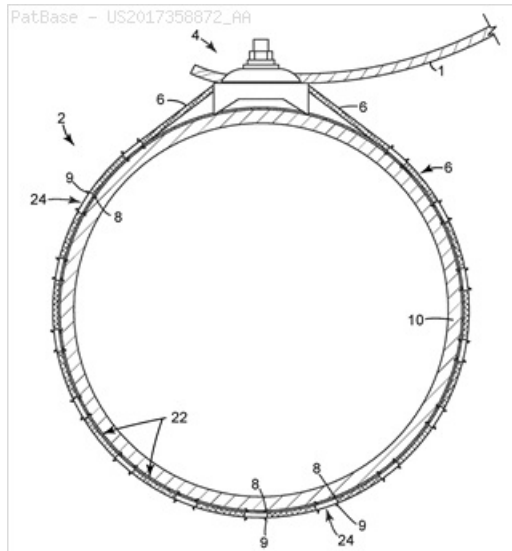
Probable Assignee: JIANGSU HUACAN TELECOMMUNICATION CO LTD**Assignee(s):** (std): JIANGSU HUACAN TELECOMMUNICATION CO LTD**Assignee(s):** JIANG SUHUA CAN TELECOM CO LTD ; JIANGSU HUACAN TELECOMMUNICATION CO**Inventor(s):** (std): SHEN HAIJUN**31) Family number: 67832319 (US2017358872A)**

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Title: CLAMPING ASSEMBLY FOR ATTACHING A GROUNDING CONDUCTOR TO A PIPE HAVING A PROTECTIVE COATING

Abstract: Source: US2017358872A A clamping assembly for attaching a grounding conductor to a pipe having a protective coating includes an elongate conductive strap and a clamp. The conductive strap is sufficiently long to circumferentially surround the pipe and has longitudinally spaced sharp projections that are sufficient to penetrate the protective coating around the pipe to make an electrical coupling between the strap and a conductive part of the pipe beneath the protective coating. The clamp is coupled to the grounding conductor and clamps the conductive strap to the pipe at a tension sufficient to maintain an electrical connection between the conductive part of the pipe and the grounding conductor without the need for any welding of the grounding conductor to the pipe and without the need for any stripping of the protective coating from the pipe.

Classifications:**International (IPC 8-9):** H01R13/621 H01R13/655
H01R4/24 (Advanced/Invention)**CPC:** H01R4/2408 H01R13/6215 H01R13/655 H01R4/26 H01R4/60
H01R4/643 H01R4/66

**Family:**

Publication number	Publication date	Application number	Application date
US2017358872 AA	20171214	US20160176927	20160608
WO17214317 A1	20171214	WO2017US36421	20170607

Priority:

US20160176927 20160608

Probable Assignee: HUBBELL INC**Assignee(s):** (std): HUBBELL INC**Inventor(s):** (std): TROMBLEY LOGAN M**Agent(s):** WISSING GERARD M

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW