

PatBase - Search results 06 August 2018

Search query (3): fn=(53482737 or 53482737 or 55257509 or 55828670 or 65874903 or 48787668 or 54364060 or 41998936 or 54364060 or 54364060 or 28242252 or 31370462 or 32131240 or 24683401 or 34116717 or 34517195 or 42524601 or 41949908 or 28242252 or 42118735 or 49455819 or 53121832 or 56781262 or 53672210 or 54364060 or 55001277 or 59449334 or 55971179 or 62233793 or 62233793 or 59719718 or 20366396 or 28611722 or 28194789 or 32617177 or 28821267 or 28846225 or 28242252 or 31383306 or 29112755 or 31370462 or 40456156 or 42524601 or 28242252 or 34116717 or 47944596 or 34517195 or 41949908 or 28242252 or 56781262 or 53121832 or 54364060 or 53672210 or 64615599 or 55001277 or 55971179 or 62233793 or 55891912 or 67133085 or 59449334 or 64532740 or 28821267 or 29112755 or 41998936 or 56972255 or 55257509 or 67325157 or 67133085 or 17864738 or 21066492 or 14877885 or 6113501 or 22498178 or 22869236 or 22500802 or 933365 or 980747 or 18937444 or 18937444 or 18937444 or 11355608 or 9120507 or 9067966 or 10767775 or 18897606)

Results: 56**Search history**

Search PN=(WO2017182895) (Results 1)

1:

Search fn=(45091096 or 30425037 or 32393081 or 18937444 or 11379917) (Results 5)

2:

Search fn=(53482737 or 53482737 or 55257509 or 55828670 or 65874903 or 48787668 or 54364060 or 41998936 or 54364060 or 54364060 or 28242252 or 31370462 or 32131240 or 24683401 or 34116717 or 34517195 or 42524601 or 41949908 or 28242252 or 42118735 or 49455819 or 53121832 or 56781262 or 53672210 or 54364060 or 55001277 or 59449334 or 55971179 or 62233793 or 62233793 or 59719718 or 20366396 or 28611722 or 28194789 or 32617177 or 28821267 or 28846225 or 28242252 or 31383306 or 29112755 or 31370462 or 40456156 or 42524601 or 28242252 or 34116717 or 47944596 or 34517195 or 41949908 or 28242252 or 56781262 or 53121832 or 54364060 or 53672210 or 64615599 or 55001277 or 55971179 or 62233793 or 55891912 or 67133085 or 59449334 or 64532740 or 28821267 or 29112755 or 41998936 or 56972255 or 55257509 or 67325157 or 67133085 or 17864738 or 21066492 or 14877885 or 6113501 or 22498178 or 22869236 or 22500802 or 933365 or 980747 or 18937444 or 18937444 or 18937444 or 11355608 or 9120507 or 9067966 or 10767775 or 18897606) (Results 56)

1) Family number: 21066492 (DE604761A)

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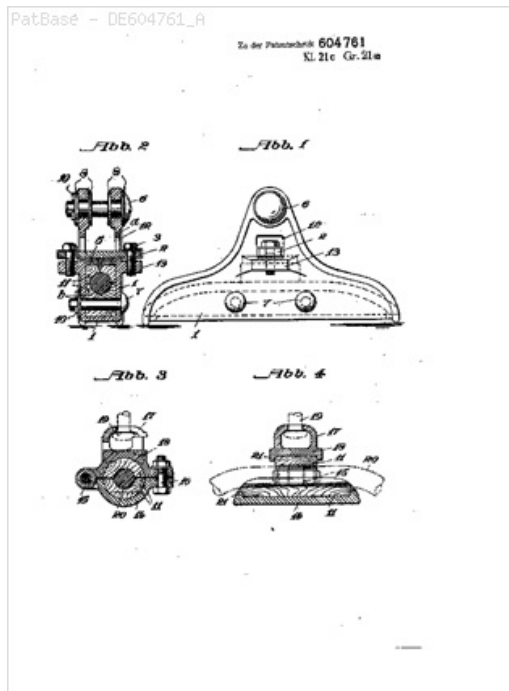
Title: TRAGKLEMME FUER SELBSTTRAGENDE LUFTKABEL UND SEILE MIT KLEMMFUTTERSTUECKEN SUPPORT TERMINAL FOR SELF-SUPPORTING AIR CABLES AND ROPES KLEMMFUTTERSTUECKEN (Machine translation)

Abstract: Source: DE604761A [DE] (Claim 1) 1. PATENTANSPLTUCII: Tragklemme fuer selbsttragende Luft kabel und Seile mit Klemmfutterstuecken, dadurch gekennzeichnet, dass die Futter stuecke zwecks genauer Anpassung an den ganzen Umfang des Luftkabels oder Seiles aus- getraenktem Holz, Pressstoffe oder aehn- lichem festen, aber leicht bearbeitbarem Material bestehen.

Machine translation: (claim 1) 1 PATENTANSPLTUCII: cable carrier terminal for self-supporting air and ropes Klemmfutterstuecken, characterized in that the food chunks in order to more accurately adapt to the full extent of the air cord or rope Aeus-soaked wood, Pressstoffe or `click-Lichem solid, but easily processable material exist </p>
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Classifications:**International (IPC 8-9):** H02G7/05 (Advanced/Invention);

H02G7/00 (Core/Invention)

International (IPC 1-7): H02G7/05**CPC:** H02G7/053**European:** H02G7/05B**Family:**

Publication number	Publication date	Application number	Application date
DE604761 A	19341027	DE1929S093542D	19290824

Priority:

DE1929S093542 19290824

Probable Assignee: SIEMENS AG**Assignee(s):** (std): SIEMENS AG**Assignee(s):** SIEMENS AND HALSKE AKT GES

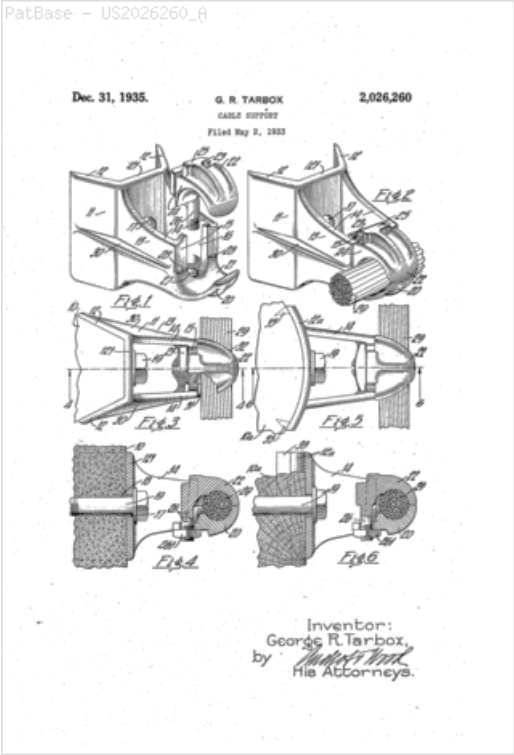
2) Family number: 22498178 (US2026260A) © PatBase

Title: CABLE SUPPORT

Abstract: 1. In a device of the character described, a base element adapted to be secured to a post, a cable supporting element comprising two cooperative sections the first of which is integral with said base element and the second of which is removable therefrom, said base element being provided with inwardly projecting spaced flanges, said second section being provided with portions engaging behind and in front of said Ranges for guiding said second section into cable embracing position, and means for securing said second section to said support.

Classifications:

International (IPC 8-9): E01F15/06 (Advanced/Invention);
E01F15/02 (Core/Invention)
International (IPC 1-7): E01F15/00
CPC: E01F15/06 Y10T24/3964
European: E01F15/06
US: 24/135L 248/66 248/74.4



Family:

Publication number	Publication date	Application number	Application date
US2026260 A	19351231	US19330669025	19330502

Priority:

US19330669025 19330502

Probable Assignee: TARBOX GEORGE R
Assignee(s): (std): TARBOX GEORGE R
Inventor(s): (std): TARBOX GEORGE R

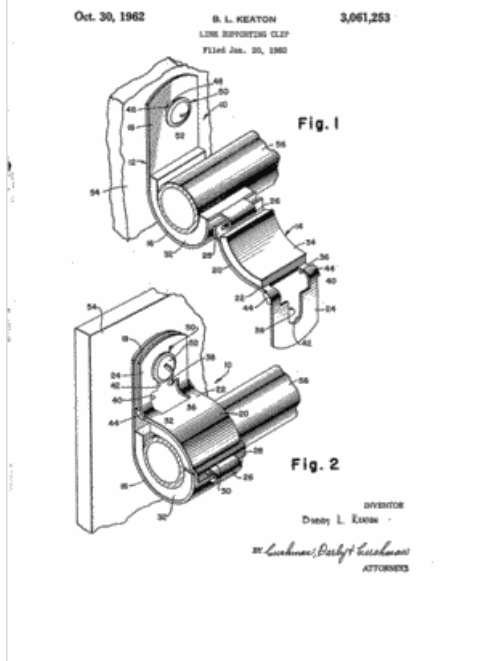
3) Family number: 22869236 (US3061253A) © PatBase

Title: LINE SUPPORTING CLIP

Abstract: (Claim 1) 1. A conduit supporting clip comprising a first cushioned strap section having a semicircular portion and a straight attaching portion extending tangentially from one end of said semi-circular portion, said attaching portion having an opening extending therefrom for receiving a fastening element to suspend said first strap section from a vertically extending support surface with said semi-circular portion operating upwardly, a second cushioned strap section having an arcuate portion of quadrant extent, a straight intermediate portion extending tangentially from one end of said arcuate portion and a straight attaching portion extending substantially perpendicularly from said intermediate portion, the opposite ends of said semi-circular and arcuate portions being loosely hingedly interconnected about an axis extending generally parallel to the axis of said semi-circular portion and disposed generally in a plane passing through the latter and the opposite end of said semi-circular portion whereby said second strap section is movable with respect to said first strap section between an open position wherein the upwardly facing semi-circular portion of said first strap section is unobstructed so as to receive a conduit therein when suspended by a fastening element and a closed position wherein the arcuate portion of said second strap section cooperates with the semicircular portion of said first strap section to enclose the conduit received in the latter and said attaching portions are disposed in superposed relation with respect to each other, the intermediate portion of said second strap section having an opening formed therein intermediate the side edges thereof and adjacent to the attaching portion extending therefrom, the attaching portion of said second strap section having an opening formed therein communicating at one end with said intermediate portion opening and extending along the length of said second section attaching portion a distance sufficient to register with said first section attaching portion opening when said second section is disposed in said closed position, the registering portion of said second section attaching portion opening having a width less than the width of said intermediate portion opening.

Classifications:

International (IPC 8-9): F16L3/10 (Advanced/Invention);
F16L3/10 (Core/Invention)
International (IPC 1-7): F16B7/08
CPC: F16L3/1075 F16L55/035
European: F16L3/10L F16L55/035
US: 248/74.1 D25/68

**Family:**

Publication number	Publication date	Application number	Application date
US3061253 A	19621030	US19600003547	19600120

Priority:

US19600003547 19600120

Probable Assignee:

GEN METALS CORP

Assignee(s): (std):

GEN METALS CORP

Assignee(s):

GENERAL METALS CORP

Inventor(s): (std):

KEATON BOBBY L

4) Family number: 22500802 (US3274654A)

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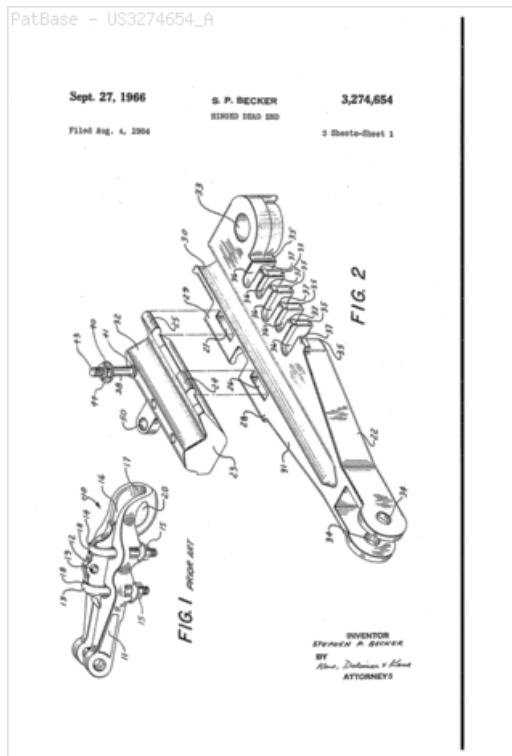
Title: HINGED DEAD END

Abstract: (Claim 1) 1. A dead end connector for a transmission cable including an elongated body, a cable-receiving longitudinal channel formed in said body, a pressure pad, a flange projecting from said body, a slot provided in said flange, an underlying first contact surface at the free end of said flange, a hook member projecting from said pressure pad and through said slot, a second contact surface formed on said hook member engaging said first contact surface in the closed position of said pressure pad, one of said contact surfaces being arcuate and the other -of said contact surfaces being pointed forming a hinged connection, and first and second cooperating coupling means attached to said pressure pad and said body respectively with said channel between said hinged connection and said second coupling means whereby said pressure pad overlies said channel when said first and second coupling means are in cooperative relationship.

Classifications:**International (IPC 8-9):** H02G7/05 (Advanced/Invention);

H02G7/00 (Core/Invention)

International (IPC 1-7): F16G11/12 H02G7/05**CPC:** H02G7/056 Y10T24/3936 Y10T24/3956 Y10T403/51**European:** H02G7/05B3**US:** 24/132R 24/132WL 403/287

**Family:**

Publication number	Publication date	Application number	Application date
US3274654 A	19660927	US19640387387	19640804

Priority:

US19640387387 19640804

Probable Assignee:

FARGO MFG CO INC

Assignee(s): (std):

FARGO MFG CO INC

Assignee(s):

FARGO MFG COMPANY INC

Inventor(s): (std):

BECKER STEPHEN P

5) Family number: 933365 (US3547386A)

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Title: HINGED SUSPENSION CLAMP

Abstract: (Claim 1) 1. A suspension clamp for an electric cable comprising a first jaw, a second jaw hinged to said first jaw, hinge means hingedly connecting said first jaw to said second jaw, clamping means spaced from said jaw to said second jaw, clamping means spaced from said hinge means manipulatable to clamp said jaws in a closed position, each of said jaws being formed with a cable seat between said hinge means and said clamping means, the cable seat of each jaw being adapted to cooperate with the cable seat of the other jaw to embrace and retain a cable when said jaws are in a closed position ! said first jaw being formed with mounting means for suspending said clamp, said jaws being of cast or forged metal and presenting rounded edges when in a close position whereby to reduce loss in use, said mounting means being generally below the upper contour of said clamp when said jaws are closed, said second jaw being formed with a depression.

Classifications:

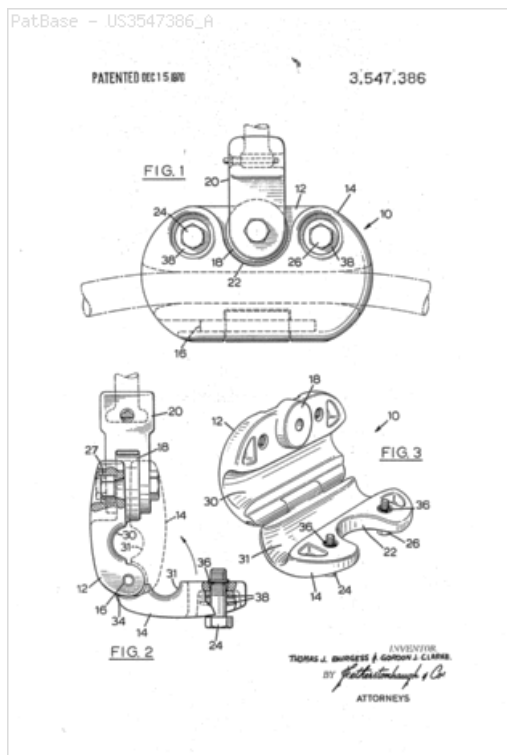
International (IPC 8-9): F16L3/14 H02G7/05 (Advanced/Invention);
F16L3/14 H02G7/00 (Core/Invention)

International (IPC 1-7): F16B7/08 F16L3/08 F16L3/14 H01B17/00
H02G7/00 H02G7/05

CPC: F16L3/14 H02G7/053

European: F16L3/14 H02G7/05B

US: 174/144 174/40R 248/63 248/74.1

**Family:**

Publication number	Publication date	Application number	Application date
US3547386 A	19701215	US19690809703	19690324

Priority:

US19690809703 19690324

Probable Assignee: LACAL IND LTD**Assignee(s):** (std): LACAL IND LTD**Inventor(s):** (std): BURGESS THOMAS J ; CLARKE GORDON J**Inventor(s):** GORDON J CLARKE ; THOMAS J BURGESS**6) Family number: 980747** (US3623687A)

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Title: INSULATOR TOP CLAMP

Abstract: (Claim 1) 1. 1. An insulator top clamp including, in combination, an elongated body having a "U"-channel formed therein throughout its length, first and second ends of said "U"-channel, first and second lips respectively formed on said first and second ends, each of said lips providing a depressed base of said channel with widened sidewalls, said first lip occupying a greater portion of said body than said second lip, transverse turrets projecting from said body at said first lip, said turrets having cylindrical surfaces formed to cooperate with complementary surfaces of said insulator allowing pivotal movement of said body in a vertical plane with said channel facing upwardly, a cooperating jaw member overlying a portion of said channel, and means for moving said jaw member toward and away from said body, same means allowing unobstructed access to said

Classifications:**International (IPC 8-9):** F16L3/08 H01B17/22

H01R4/38 (Advanced/Invention);

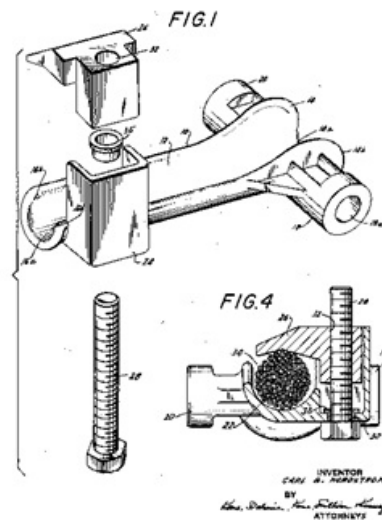
F16L3/08 H01B17/00 H01R4/38 (Core/Invention)

International (IPC 1-7): F16L3/10 H01R4/38**CPC:** F16L3/08 H01B17/22 H01R4/38**European:** F16L3/08 H01B17/22 H01R4/38**US:** 174/169 248/74.1 248/74R

PATENTED NOV 30 1971

3,623,687

SHEET 1 OF 2

**Family:**

Publication number	Publication date	Application number	Application date
CA923577 A1	19730327	CA19710115354	19710610
US3623687 A	19711130	US19700046251	19700615

Priority:

US19700046251 19700615

Probable Assignee:

FARGO MFG CO INC

Assignee(s): (std):

FARGO MFG CO INC

Assignee(s):

CARL B NORDSTROM ; FARGO MFG CO

Inventor(s): (std):

NORDSTROM C B ; NORDSTROM CARL B

Inventor(s):

CARL B NORDSTROM

7) Family number: 6113501 (FR2558015A)

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Title: Device intended to support, without damaging them, overhead telecommunication or electrical-current transporting (power) cables

Abstract: The said device essentially consists of a stirrup clamp 13 supporting a part 14 made from flexible material gripped by means of a stirrup-clamp counter-element 18. The extensions 15-15' integral with the part 14 constitute a bend limiter which clamps around, over its entire length, the cable 1 to be supported.

Classifications:

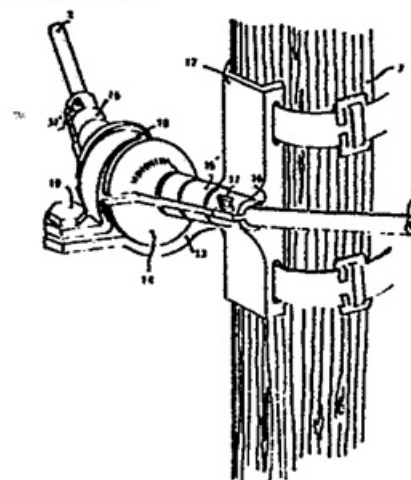
International (IPC 8-9): H02G7/05 (Advanced/Invention);
H02G7/00 (Core/Invention)

International (IPC 1-7): H01B17/58 H02G7/05

CPC: H02G7/05 H02G7/053

European: H02G7/05 H02G7/05B

PatBase - FR2558015_A1

**Family:**

Publication number	Publication date	Application number	Application date
FR2558015 A1	19850712	FR19830009793	19830614
FR2558015 B1	19890804	FR19830009793	19830614
FR2569912 A2	19860307	FR19840013335	19840829

Priority:

FR19830009793 19830614 FR19840013335 19840829

Probable Assignee: GORO SA**Assignee(s):** (std): GORO SA**Inventor(s):** (std): SCHICK JEAN FRANCOIS**Inventor(s):** JEAN FRANCOIS SCHICK**8) Family number: 18937444** (US5014941A)

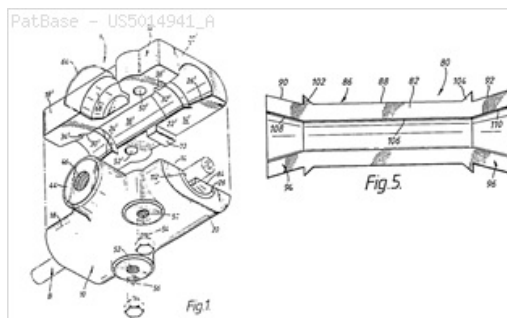
© PatBase

Title: CABLE SUPPORT ASSEMBLY

Abstract: A cable support assembly including first and second generally mating body members formed of a rigid, dielectric material. A bore defined between the mating body members to receive a cushion member is formed of a dielectric material substantially less rigid than the body member material. Outwardly extending flanges on the cushion member prevent axial movement relative to the body. Similarly, a cooperating tab and notch prevent axial movement between the mating body members. An enlarged boss is formed entirely within the first body member to facilitate a method of stringing cable. The first body member is secured to an associated support structure and the second body member positioned in close proximity. A cable is strung between the body members, the cushion member then received around the cable, and the first and second body members brought into mating engagement.

Classifications:

International (IPC 8-9): F16B2/12 G02B6/36 G02B6/44 G02B6/48 H02G1/04 H02G7/05 (Advanced/Invention); G02B6/36 G02B6/44 G02B6/46 H02G1/04 H02G7/00 (Core/Invention)
International (IPC 1-7): B23P19/04 F16B2/12 F16L3/00 G02B6/44 H02G1/02 H02G7/00 H02G7/05
CPC: Y10T24/3962 Y10T29/49838 Y10T29/49893 H02G7/053 G02B6/4439 G02B6/4471 G02B6/4473 G02B6/48 H02G1/04
European: G02B6/44C8 G02B6/44C8Z G02B6/44C8Z1D G02B6/48 H02G1/04 H02G7/05B
US: 24/135K 248/63 248/74.4 29/433 29/463 D8/356

**Family:**

Publication number	Publication date	Application number	Application date
AU198931143 A1	19890914	AU19890031143	19890308
AU605027 B2	19910103	AU19890031143	19890308
BRPI8901170 A	19891031	BR1989PI01170	19890313
CA1314598 A1	19930316	CA19890593317	19890310
GB2216734 A1	19891011	GB19890005259	19890308
GB2216734 B2	19920219	GB19890005259	19890308
GB8905259 A0	19890419	GB19890005259	19890308
IE60720 B	19940810	IE19890000784	19890310
IE890784 L	19890911	IE19890000784	19890310
MX164201 B	19920723	MX19890015228	19890310
US5014941 A	19910514	US19880167039	19880311
US5141187 A	19920825	US19900552149	19900712
US5146667 A	19920915	US19910807785	19911211
ZA8901731 A	19891129	ZA19890001731	19890307

Priority:

US19880167039 19880311 CA19890593317 19890310 US19900552257 19900712
 US19900552149 19900712 US19910807785 19911211

Probable Assignee: PREFORMED LINE PRODUCTS CO**Assignee(s):** (std): PERFORMER LINE PRODUCTS CO ; PREFORMED LINE PRODUCTS CO ; PREFORMED LINE PRODUCTS COMPANY**Assignee(s):** SHERMAN THOMAS EUGENE ; PREFORMED LINE PRODUCTS CO AN OHIO CORP**Inventor(s):** (std): SHERMAN THOMAS E ; SHERMAN THOMAS EUGENE ; THOMAS EUGENE SHERMAN**Agent(s):** SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; GOWLING LAFLEUR HENDERSON LLP**9) Family number: 11355608** (US5261633A)

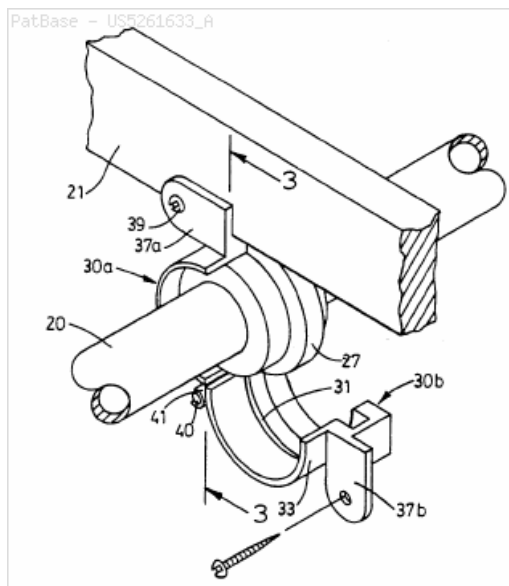
© PatBase

Title: Pipe support system

Abstract: A carrier unit for securely holding a pipe so as to isolate the pipe to prevent transmission of sound or heat, which unit provides a significant degree of float or play in the movement of the pipe in the event of settling, shifting or earthquake. The invention also includes a support system for the holding of one or more of the subject carrier units so that a plurality of pipes may be installed in a single system thereby saving considerable time and manpower costs.

Classifications:

International (IPC 8-9): F16L3/18 (Advanced/Invention); F16L3/16 (Core/Invention)
International (IPC 1-7): F16L3/08
CPC: F16L3/18
European: F16L3/18
US: 248/68.1 248/681 248/74.1 248/741



Family:

Publication number	Publication date	Application number	Application date
US5261633 A	19931116	US19920992626	19921217

Priority:

US19920992626 19921217

Probable Assignee:

MASTRO RONALD J

Assignee(s): (std):

MASTRO RONALD J

Inventor(s): (std):

MASTRO RONALD J

10) Family number: 9067966 (US5435507A)

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Title: CABLE SUPPORT

Abstract: An easily-installable support capable of accommodating a wide variety of fiber optic cables is disclosed. The fiber optic cable support uses a one-piece, variable diameter mechanism for cushioning and spacing the supported cable. The support is also contoured to increase the surface area available to contact a utility pole or other structure and includes one or more cleats or gains which provide additional contact strength by biting into and gripping wooden or similar poles. The support is designed to provide approximately constant compressive pressure to the supported sections of a length of cable and sufficient pressure to avoid the need to apply grit or other loose friction-increasing substances to the cushion interior. Because it is of relatively constant or slowly varying cross-section, the support can be die formed with minimal disruption of the fluid flow within the die.

Classifications:

International (ipc 8-9): F16L3/10 (Advanced/Invention);

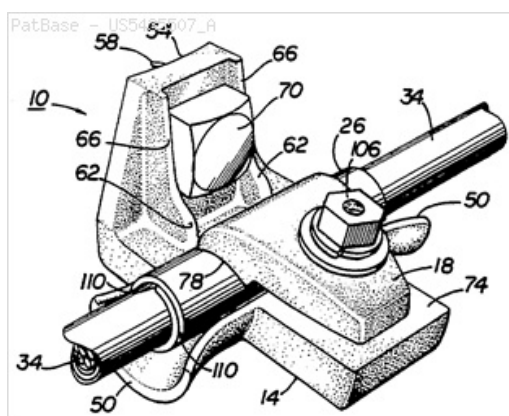
F16L3/10 (Core/Invention)

International (ipc 1-7): F16L3/10

CPC: Y10T24/3962 F16L3/1033 F16L3/10

European: F16L3/10 F16L3/10D

US: 174/40R 24/135K 248/74.4 248/744



Family:

Publication number	Publication date	Application number	Application date
CA2086072 AA	19940424	CA19922086072	19921222
US5435507 A	19950725	US19940210069	19940317

Priority:

US19920965188 19921023

CA19922086072 19921222

US19940210069 19940317

Probable Assignee: MORGAN CRUCIBLE CO

Assignee(s): (std): MORGAN CRUCIBLE CO PLC TH ; MORGAN CRUCIBLE CO

Assignee(s): MORGAN CRUCIBLE CO PLC ; MORGAN CRUCIBLE CO PLC THE ; MORGAN CRUCIBLE COMPANY PLC THE ; TYCO ELECTRONICS LOGISTICS AG ; THE MORGAN CRUCIBLE COMPANY PLC ; MURPHY MAURICE W

Inventor(s): (std): MURPHY MAURICE W

Agent(s): OSLER HOSKIN AND HARCOURT LLP

Title: CONCEALED SELF-CLOSING HINGE WITH INTEGRAL HINGE PIN MEANS

Abstract: A concealed self-closing hinge for mounting a door on a frame. The door member of the hinge includes a cup formed with vertically aligned slots. The frame member of the hinge includes an arm whose free end is formed with integral pintles which are pivotally received in the slots. A plastic cam is adapted to be slipped onto the free end portion of the arm between the pintles and coacts with a leaf spring to hold the pintles in assembled relation with the slots and also to effect self-closing of the door.

Classifications:

International (IPC 8-9): E05D11/10 E05D3/00 (Advanced/Invention);
E05F1/12 (Advanced/Non-invention);
E05D11/00 (Core/Invention);
E05F1/00 (Core/Non-invention)

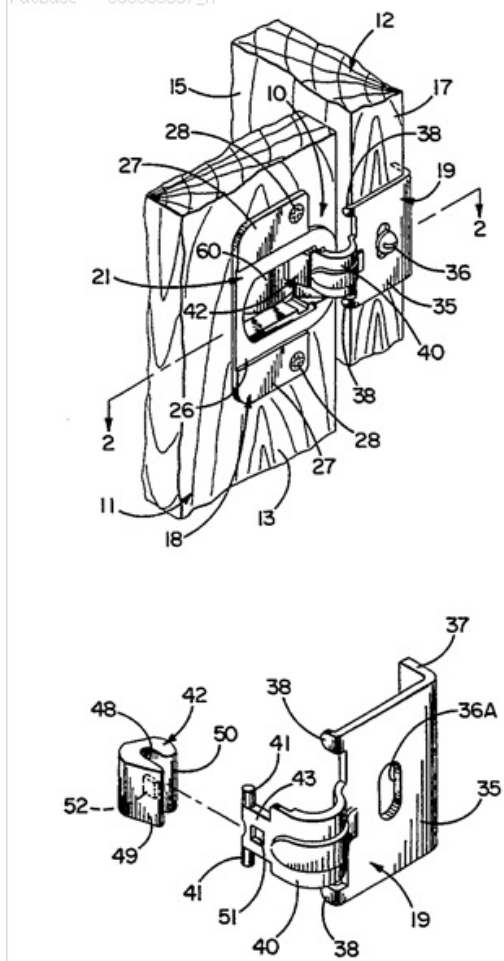
International (IPC 1-7): E05D3/00 E05F1/08

CPC: Y10T16/5383 Y10T16/53848 Y10T16/5385 Y10T16/5387
Y10T16/54029 E05D11/1014 E05D11/105 E05F1/1284 E05Y2900/20

European: E05D11/10D P05D11/10E3 P05F1/12E P05Y900/200

US: 16/286 16/296 16/297 16/303 16/335

PatBase - US5355557_A



Family:

Publication number	Publication date	Application number	Application date
CA2106031 AA	19941119	CA19932106031	19930913
CA2106031 C	19960213	CA19932106031	19930913
US5355557 A	19941018	US19930063032	19930518

Priority:

US19930063032 19930518 CA19932106031 19930913

Probable Assignee: NEWELL OPERATING CO

Assignee(s): (std): AMEROCK CORP ; NEWELL OPERATING CO

Assignee(s): BOWERS MICHAEL J ; CRESS DAVID R ; KING A RAYMOND IV

Inventor(s): (std): BOWERS MICHAEL J ; CRESS DAVID R ; KING A RAYMOND IV ; KING IV A RAYMOND

Agent(s): MACRAE AND CO

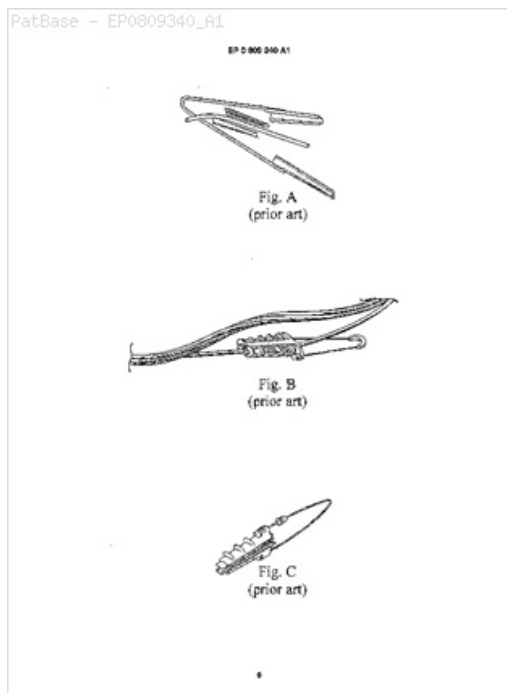
Title: ASSEMBLY FOR THE OVERHEAD SUPPORTING OF CABLES, IN PARTICULAR FOR TELECOMMUNICATIONS

Abstract: The present invention relates to an assembly for the overhead supporting of cables, in particular for telecommunications, comprising substantially an internally hollow body (2) formed by a pair of casings (3, 4) provided with a longitudinal seat (7) designed to receive an overhead cable (10), a closing device (6) designed to clamp the casings (3, 4) together and a fastening member (23) mounted on the closing device (6) for connecting the assembly (1) to a support pylon or pole (11). The two casings (3, 4) are hinged with one another along a common longitudinal edge (12) thereof and each have, in the region of respective free edges (5), a longitudinal lip (15) extending so as to project therefrom and tapering from a first end (16) towards a second end (17) of the internally hollow body (2). These longitudinal lips (15) form a single body with the respective casings (3, 4) and provide a guide (18) inside which a sliding piece (19) is free to slide as far as an end locking position (21), said sliding piece (19) being formed on the closing device (6) and being provided with a longitudinal cavity (20) correspondingly shaped with respect to the guide (18).

Classifications:

International (IPC 8-9): G02B6/44 G02B6/48
H02G7/05 (Advanced/Invention);
G02B6/44 G02B6/46 H02G7/00 (Core/Invention);
H01B (Subclass/Invention)

International (IPC 1-7): G02B6/44 G02B6/48 H01B H02G1/02 H02G7/05
CPC: G02B6/4471 G02B6/48 G02B6/483 H02G7/056
European: G02B6/44C8Z G02B6/48 G02B6/48A H02G7/05B3



Family:

Publication number	Publication date	Application number	Application date
BRPI9703784 A	19980804	BR1997PI03784	19970520
EP0809340 A1	19971126	EP19970830224	19970514
IT1289210 B1	19980929	IT1996TN00005	19960520
IT1293949 B1	19990311	IT1997VR00031	19970411
ITTN960005 A0	19960520	IT1996TN00005	19960520
ITTN960005 A1	19960819	IT1996TN00005	19960520
ITVR970031 A0	19970411	IT1997VR00031	19970411
ITVR970031 A1	19981012	IT1997VR00031	19970411

Priority:

IT1996TN00005 19960520 IT1997VR00031 19970411
Probable Assignee: BOSCOLO GIORGIO
Assignee(s): (std): BOSCOLO GIORGIO
Inventor(s): (std): BOSCOLO GIORGIO
Inventor(s): GIORGIO BOSCOLO
Designated states: AT CH DE ES FR GB GR LI

13) Family number: 18897606 (WO9720371A1)

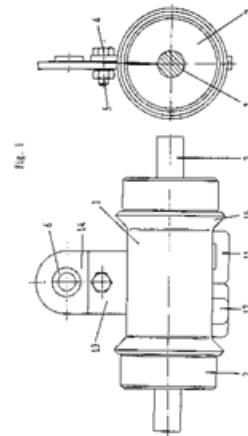
© PatBase

Title: CABLE HANGING CLAMP

Abstract: Cable hanging clamp comprising two symmetrical parts (1) hinged together, and presenting a semicircunferential profile configuration, provided at one of their edges with an eye (11) and a tongue (12) aligned with respect to each other and which, when facing each other, couple together and form a hinge, while the opposite edge has a central lug (13) having a hole through which and by means of a bolt (5) and nut (4), the coupling and/or hanging can be carried out. Inside said parts, there is provided a sleeve (2) made of elastomer material, having a cylindrical configuration, open along the generatrix, and having an external diameter larger than or similar to the hole formed by the union of the two parts (1) and an internal hole similar to the cable (3) or to the cable armored by means of a preformed element.

Classifications:

International (IPC 8-9): G02B6/48 H02G7/05 (Advanced/Invention);
G02B6/46 H02G7/00 (Core/Invention)
International (IPC 1-7): H02G7/05 H02G7/5
CPC: G02B6/48 H02G7/053
European: G02B6/48 H02G7/05B

**Family:**

Publication number	Publication date	Application number	Application date
AU199676981 A1	19970619	AU19960076981	19961128
WO9720371 A1	19970605	WO1996ES00230	19961128

Priority:

ES19950002338 19951128 WO1996ES00230 19961128

Probable Assignee: RUIZ DE ERENCHUN IBERO CARLOS**Assignee(s):** (std): CARLOS RUIZ DE ERENCHUN IBERO ; RUIZ DE ERENCHUN IBERO CARLOS**Inventor(s):** (std): IBERO CARLOS RUIZ DE ERENCHUN ; RUIZ DE ERENCHUN IBERO CARLOS**Inventor(s):** CARLOS RUIZ DE ERENCHUN IBERO**Designated states:** AL AM AT AU AZ BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK EE ES FI FR GA GB GE GN GR HU IE IS IT JP KE KG KP KR KZ LK LR LS LT LU LV MC MD MG MK MN MW MX NL NO NZ PL PT RO RU SD SE SG SI SK SZ TJ TM TR TT UA UG US UZ VN**14) Family number: 17864738 (DE29712598U1)**

© PatBase

Title: Pipe clamp with tightening screw

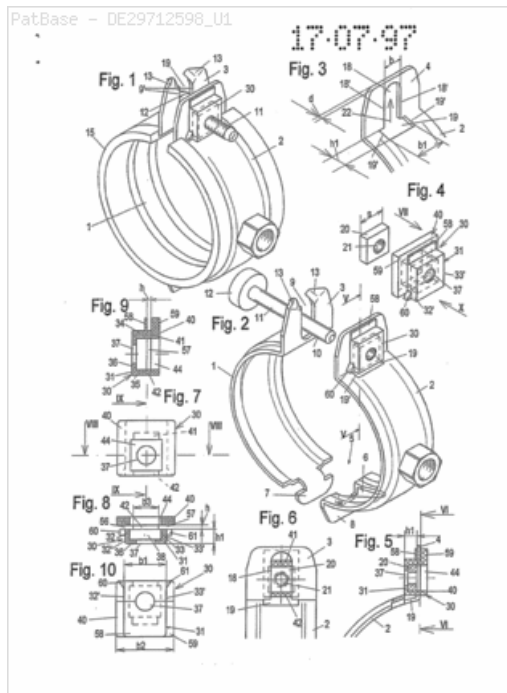
Abstract: Source: DE29712598U1 [DE] (Claim 1) 1. Rohrschelle, bestehend aus zwei jeweils halbzyklindrischen, durch ein Oesengelen k miteinander verbundenen und mittels einer Spannschraube zu einem geschlossenen Ring zusammenspannbaren Schellenbuegeln, welche an ihren dem Oesengelenk gegenueberliegenden Enden durch etwa rechtwinklige Biegung radial nach aussen gerichtete Spannlaschen mit Ausnehmungen zur Aufnahme der Spannschraube aufweisen, wobei die auf der Kopfseite der Spannschraube liegende Spannlasche einen U -foermigen, aussen offenen Aufnahmeschlitz fuer den Spannschraubenschaft aufweist und an der anderen Spannlasche federnd schwenkbeweglich und drehbar eine flache Spannmutter mit einer Gewindebohrung fuer die Spannschraube befestigt ist, dadurch gekennzeichnet, dass die Spannmutter (20) in einem sie umschliessenden, kaeftartigen, aus einem federelastischen, insbesondere gummiartigen Material bestehenden Halter (30) derart an der Spannlasche (4) befestigt ist, dass sie aussenseitig an wenigstens zwei parallelen Raendern (18') einer nur am Fussende der Spannlasche (4) offenen, schlitzartigen Ausnehmung (18) der Spannlasche (4) in Anlage gehalten ist.

Machine translation: (Claim 1) 1 Pipe clamp, consisting of two each semi-cylindrical, with a Oesengelen k together verbundenen means of a clamping screw to form a closed ring zusammenspannbaren Schellenbuegeln, which have at their the Oesengelenk opposite ends by some right-angled bend radially nach aussen directed tension lugs with recesses for receiving the clamping screw, with the CG solution lying side of the head of the clamping screw clamping bracket has a U-shaped, externally open receiver slot for the clamping screws damage has ft and the other clamping plate spring schwenkbeweglich und drehbar not rotate a flat nut with a threaded hole for the clamping screw is fixed, wherein the tightening nut (20) one enclosing it, kaeftartigen, is a federelastischen, insbesondere gummiartigen material existing holders (30) mounted so the clamping plate (4) that its outer side of at least two parallel edges (18') of only the foot end of the clamping plate (4) open, slit-like recess (18) of the clamping plate (4) is kept in contact.

Classifications:**International (IPC 8-9):** F16L3/10 (Advanced/Invention);

F16L3/10 (Core/Invention)

International (IPC 1-7): F16L3/10**CPC:** F16L3/1033**European:** F16L3/10D

**Family:**

Publication number	Publication date	Application number	Application date
DE29712598 U1	19970918	DE19972012598U	19970717

Priority:

DE19972012598U 19970717

Probable Assignee: KGH HYDRAULIK HANDELS GMBH**Assignee(s):** (std): KGH HYDRAULIK HANDELS GMBH**Assignee(s):** KGH HYDRAULIK HANDELS GMBH 44652 HERNE DE**15) Family number: 10767775** (US5742982A)

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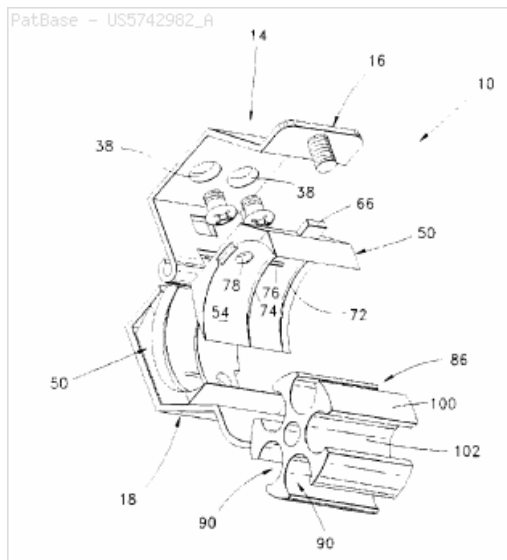
Title: CABLE STRAIN RELIEF APPARATUS

Abstract: A clamp assembly (10) is provided which can include first and second clamp halves (16, 18) with a base (50) mounted in each clamp path. The base has a cylindrical inner surface (54) which can clamp a cable thereto for strain relief. Alternatively, a flexible insert (86) having a plurality of cylindrical cavities (102) opening through the outer surface (100) thereof can receive a number of cables (12) to be clamped in the clamp assembly for strain relief. In another version, a plurality of nested inserts (106-116) can be provided on each base (50) allowing the selection of a particular insert dimension suitable the cable to be secured.

Classifications:**International (IPC 8-9):** F16G11/00 F16L3/22

G02B6/44 (Advanced/Invention);

F16G11/00 F16L3/22 G02B6/44 (Core/Invention)

International (IPC 1-7): F16C1/10 F16L3/00**CPC:** F16L3/22 F16G11/00 G02B6/4471 Y10T24/14 Y10T24/44538**European:** F16G11/00 F16L3/22 G02B6/44C8Z**US:** 24/160R 24/16R 24/518 248/68.1 248/681 248/74.1 248/741**Family:**

Publication number	Publication date	Application number	Application date
US5742982 A	19980428	US19960756320	19961125

Priority:

US19960756320 19961125

Probable Assignee: SIECOR TECHNOLOGY INC**Assignee(s):** (std): SIECOR CORP

Assignee(s): SIECOR TECHNOLOGY INC
Inventor(s): (std): DENNIS ROBERT W ; WALTERS MARK D ; MORGAN KEVIN L ; HARVEY J D ; DODD JOSEPH K

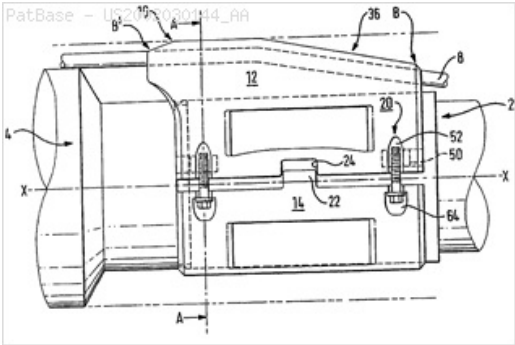
16) Family number: 32617177 (US2002030144A) © PatBase

Title: Cable protector and support

Abstract: A safety valve (4) incorporated in a tubing string (2) has a diameter considerably larger than that of the rest of the tubing string (2). A cable protector (10) is fastened onto the tubing string (2) at the lead in to the safety valve (4) to ensure that cables (8) extending along the outside of the tubing string are able to cope with the changes in diameter without strain or damage. The cable protector (10) is formed from two cast bodies (12) and (14) hingedly connected together to define a substantially circular inner cross-section. The upper body member (12) is provided with an elongate cable slot (26) in which the cable (8) is received. In addition, the upper body member (12) is shaped to give the cable protector an increasing internal cross-sectional size, or transverse dimension, along its length from one end (B) to the other and (B'), whereby the distance of the cable (8) from the longitudinal axis (X-X) of the tubing string (2) increases as it extends therealong. Thus the cable (8), received within the cable slot (26), is guided along a path which has a varying spacing from the longitudinal axis (X-X).

Classifications:

International (IPC 8-9): E21B17/10 F16L3/04 F16L3/06 F16L3/10 F16L3/22 H02G9/06 (Advanced/Invention); F16L3/10 F16L3/22 (Advanced/Non-invention); E21B17/00 F16L3/02 F16L3/10 F16L3/22 H02G9/06 (Core/Invention)
International (IPC 1-7): E21B17/10 F16L3/06 F16L3/08 F16L3/22
CPC: E21B17/1035 F16L3/04 F16L3/1091 F16L3/22 H02G9/065
European: E21B17/10D F16L3/04 F16L3/10P F16L3/22 H02G9/06B
US: 248/67.5 248/68.1 248/74.1 248/74.4



Family:

Publication number	Publication date	Application number	Application date
AT371801 E	20070915	AT20000942289T	20000706
AU200056987 A1	20010122	AU20000056987	20000706
AU200056987 A5	20010122	AU20000056987	20000706
DE60036186 D1	20071011	DE20006036186	20000706
EP1109989 A1	20010627	EP20000942289	20000706
EP1109989 B1	20070829	EP20000942289	20000706
EP1626155 A2	20060215	EP20050024053	20000706
EP1626155 A3	20110223	EP20050024053	20000706
GB9915844 A0	19990908	GB19990015844	19990706
US2002030144 AA	20020314	US20010790578	20010223
US6588714 BB	20030708	US20010790578	20010223
WO0102694 A1	20010111	WO2000GB02597	20000706

Priority:

GB19990015844 19990706 EP20000942289 20000706 WO2000GB02597 20000706

Probable Assignee: SCHLUMBERGER WCP LTD

Assignee(s): (std): BAXTER IAIN ; BLANE DAVID ; CAMCO INT UK LTD ; CAMCO INTERNAT UK LTD ; LASALLE PRODUCTS AND SERVICES DI

Assignee(s): CAMCO INTERNATIONAL UK LTD ; SCHLUMBERGER WCP LTD ; LASALLE PRODUCTS AND SERVICES LTD ; LASALLE PRODUCTS AND SERVICES DIVISION OF CAMCO I ; CAMCO INT ; CAMCO INT LTD

Inventor(s): (std): BAXTER IAIN ; BLANE DAVID

Inventor(s): DAVID BLANE ; IAIN BAXTER

Agent(s): NEEDLE JACQUELINE

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

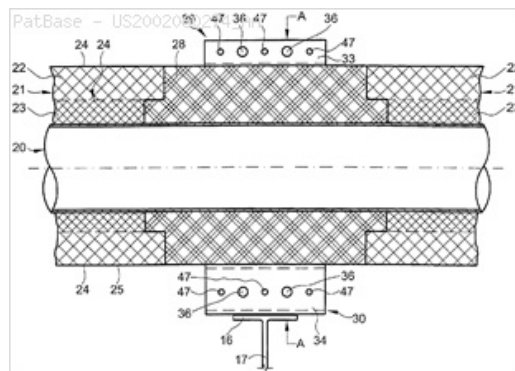
17) Family number: 28194789 (US2002060274A) © PatBase

Title: Support for pipelines and process for mounting such a support

Abstract: A support for a pipeline, especially for cold liquids, has a two-part or more than two-part carriage, which surrounds an insulating shell surrounding the pipeline. The carriage includes carriage parts connected to one another at connection flanges. One of the connection flanges is arranged under the pipeline when viewed from a base plate on which the pipeline is supported vertically toward the central axis of the pipeline.

Classifications:

International (IPC 1-7): F16L3/00 F16L3/08 F16L3/10 F16L3/16
CPC: F16L3/1091 F16L59/135
European: F16L3/10P F16L59/135
US: 138/106 248/49 248/55 248/58 248/65 285/61



Family:

Publication number	Publication date	Application number	Application date
DE10045010 C1	20020207	DE20001045010	20000911
US2002060274 AA	20020523	US20010950305	20010910
US6575412 BB	20030610	US20010950305	20010910

Priority:

DE20001045010 20000911

Probable Assignee: KAEFER ISOLIERTECHNIK GMBH AND CO KG

Assignee(s): (std): KAEFER ISOLIERTECHNIK ; KLEZATH HERMANN

Assignee(s): KAEFER ISOLIERTECHNIK GMBH ; KAEFER ISOLIERTECHNIK GMBH AND CO KG

Inventor(s): (std): KLEZATH HERMANN

18) Family number: 20366396 (US6362428B)

© PatBase

Title: SYSTEM FOR ATTACHING AND SEALING A GAUGE HOUSING ASSEMBLY TO THE END OF AN ARMORED INSULATED ELECTRICAL CONDUCTOR

Abstract: A two-part system for attaching a gauge housing assembly to an armored insulated electrical conductor includes a hollow molded connector. The hollow molded connector is molded around the armored insulated electrical conductor and the gauge housing. A seal is formed between the hollow molded connector and the insulation portion of the insulated electrical conductor. Surrounding the hollow molded connector and the gauge housing assembly is a hollow outer sleeve which is swaged to compressively engage the hollow molded connector in the end of the gauge housing assembly.

Classifications:

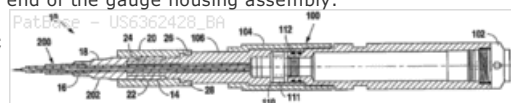
International (IPC 8-9): E21B17/02 H01R13/533 (Advanced/Invention); E21B17/02 H01R13/533 (Core/Invention)

International (IPC 1-7): H02G3/18

CPC: H01R13/533 E21B17/028 Y10T16/063

European: E21B17/02E H01R13/533

US: 16/2.2 16/22 174/135 174/59 174/650 174/65R 248/56 439/462



Family:

Publication number	Publication date	Application number	Application date
US6362428 BA	20020326	US20000607633	20000630

Priority:

US19990142129P 19990702 US20000607633 20000630

Probable Assignee: GAMUT TECHNOLOGY INC

Assignee(s): (std): GAMUT TECHNOLOGY INC

Assignee(s): CAPRO LTD ; CAPRO LTD (A DELAWARE CORPORATION) ; CAPRO LTD A DELAWARE CORPORATION

Inventor(s): (std): PENNINGTON BARRY

19) Family number: 28242252 (US2002088905A)

© PatBase

Title: Method, system and apparatus for guiding and supporting an elongated flexible member

Abstract: The present invention relates to a member for guiding and supporting elongated flexible members such as wires, cables and other flexible lines that can introduce services and utilities into a residential, commercial or similar building structures. The guiding and support members receive and support at least one of the elongated flexible members so that it can be pulled around a corner without being damaged. Additionally, the guiding and support members can be used when the elongated member is only being pulled in a straight run or to organize elongated members that have already been run. Sweeps, including roller sweeps and cradles, can be secured to the guiding and supporting members to maintain a predetermined radius in the flexible members and reduce the amount of friction on the flexible member as it is pulled. This reduction in friction results in a smoother pull of the flexible member and a reduction in the amount of force needed to pull the flexible member.

Classifications:

International (IPC 8-9): B66D3/04 F16B2/06 F16B2/10 F16L11/00 F16L3/01 F16L3/12 F16L3/137 F16L3/16

F16L3/22 (Advanced/Invention);

B66D3/00 F16B2/02 F16L11/00 F16L3/01 F16L3/12 F16L3/16

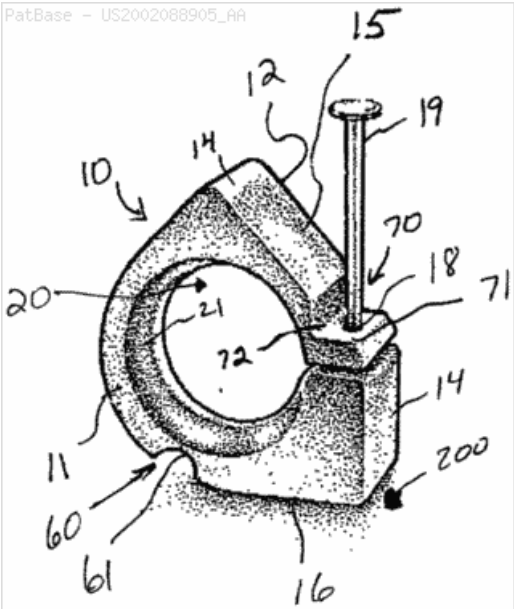
F16L3/22 (Core/Invention)

International (IPC 1-7): F16B15/00 F16L3/08

CPC: F16B2/06 F16B2/10 F16L3/1226

European: F16B2/06 F16B2/10 F16L3/12P

US: 138/121 138/121S 174/492 174/664 248/65 248/68.1 248/68.100P 248/71 248/73 248/74.1 248/74.100S 248/74.3



Family:

Publication number	Publication date	Application number	Application date
US2002088905 AA	20020711	US20010998239	20011203
US2004079842 AA	20040429	US20030728841	20031208
US2010133392 AA	20100603	US20100696669	20100129
US6666415 BB	20031223	US20010998239	20011203
US7658351 BB	20100209	US20030728841	20031208
US8505858 BB	20130813	US20100696669	20100129

Priority:

US20000250352P 20001201	US20010284526P 20010419	US20010998239 20011203
US20030728841 20031208	US20100696669 20100129	

Probable Assignee:	HANSEN KRIS EDWARD
Assignee(s): (std):	HANSEN KRIS EDWARD
Assignee(s):	US DEPARTMENT OF ENERGY
Inventor(s): (std):	HANSEN KRIS EDWARD
Agent(s):	BANNER AND WITCOFF LTD

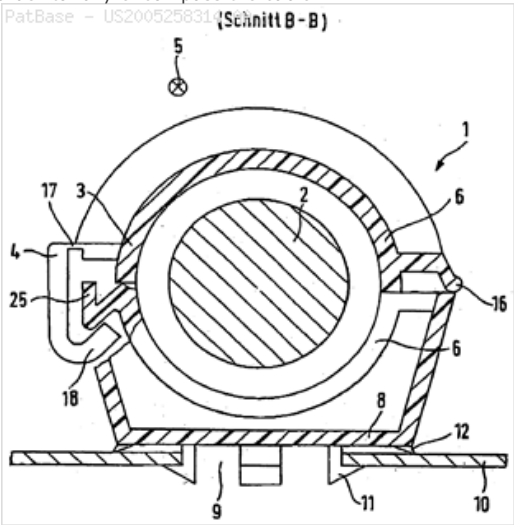
20) Family number: 24683401 (US2005258314A) © PatBase

Title: CABLE HOLDING DEVICE

Abstract: Disclosed is a cable holding device particularly for an electrical cable in motor vehicles. Said cable holding device comprises a circumferential element fixing the cable and a base locking the cable holding device in an opening of a motor vehicle door or similar. The circumferential element can be closed in order to fully encompass the cable.

Classifications:

International (IPC 8-9): B60R16/02 F16B2/08 H02G3/30
H02G3/32 (Advanced/Invention);
B60R16/02 F16B2/02 H02G3/30 (Core/Invention)
International (IPC 1-7): A47B96/06 B60R16/02 E04G3/00 F16B2/00
F16B2/08 F16L3/08 H02G3/26 H02G3/30 H02G3/32
CPC: H02G3/32 B60R16/0215
European: B60R16/02C2 H02G3/32
US: 248/229.16 248/74.1
JP F-Term: 3D015 3J022 3J022/DA12 3J022/DA17 3J022/DA19
3J022/EA42 3J022/EB14 3J022/EC14 3J022/EC22 3J022/FA04
3J022/FA05 3J022/FB08 3J022/FB12 3J022/HA03 5G363 5G363/AA12
5G363/BA02 5G363/DC02
JP F-Index: B60R16/02/623/C F16B2/10/D H02G3/22/260
H02G3/26/C H02G3/32



Family:

Publication number	Publication date	Application number	Application date
AU2003278244 AA	20040106	AU20030278244	20030625
CN100440661 C	20081203	CN20038014947	20030625
CN1663089 A	20050831	CN20038014947	20030625
DE20210024 U1	20021114	DE20022010024U	20020625
DE50311243 D1	20090416	DE20035011243	20030625

EP1516402 A1	20050323	EP20030740340	20030625
EP1516402 B1	20090304	EP20030740340	20030625
JP2005537167 T2	20051208	JP20040514860T	20030625
KR20050042266 A	20050506	KR20047020938	20030625
US2005258314 AA	20051124	US20040519426	20041222
WO04001923 A1	20031231	WO2003EP06712	20030625

Priority:

DE20022010024U 20020625 WO2003EP06712 20030625

Probable Assignee: FAURECIA INNENRAUM SYSTEME GMBH

Assignee(s): (std): FAURECIA INNENRAUM SYSTEME GMB ; FAURECIA INNENRAUM SYSTEME GMBH ; FAURECIA INNENRAUMSYSTEME GMBH ; SAI AUTOMOTIVE SAL GMBH ; SCHILLES WILFRIED ; WANDTKE SEBASTIAN ; FAURECIA INNENRAUM SYS GMBH ; FOGIA INT DECORATION SYST ; FOGIA INTERNAL DECORATION SYST

Assignee(s): FOGIA INTERNAL DECORATION SYSTEM AG ; FAURECIA INNENRAUM SYSTEM GMBH ; FOGIA INT DECORATION SYSTEM AG

Inventor(s): (std): SCHILLES WILFRIED ; SEBASTIAN WANDTKE ; WANDTKE SEBASTIAN ; WILFRIED SCHILLES

Agent(s): PFENNING MEINIG AND PARTNER GBR; ANDREW R BASILE, YOUNG AND BASILE

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 NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

21) Family number: 28611722 (US6561466B)

© PatBase

Title: Interchangeable hose, cable, and conduit support mechanism

Abstract: A support mechanism for selected sizes and numbers of cylindrical members includes a pair of substantially identical covers providing a first cavity between them, and pairs of substantially identical opposed interlocked inserts disposed in the first cavity, each of the pairs of inserts providing a second cavity to support and retain a cylindrical member. Each of the covers and inserts comprises a male fitting extending from one end and a female receptacle disposed in the other end, such that when covers and inserts are reversed top-to-bottom and end-for-end, respective male fittings engage respective female fittings to interlock covers and inserts together. Pairs of inserts can be in one or two stacks. A pair of substantially identical adapters, each comprising the same male and female fittings, extends the distance between covers to accommodate a second stack of inserts.

Classifications:

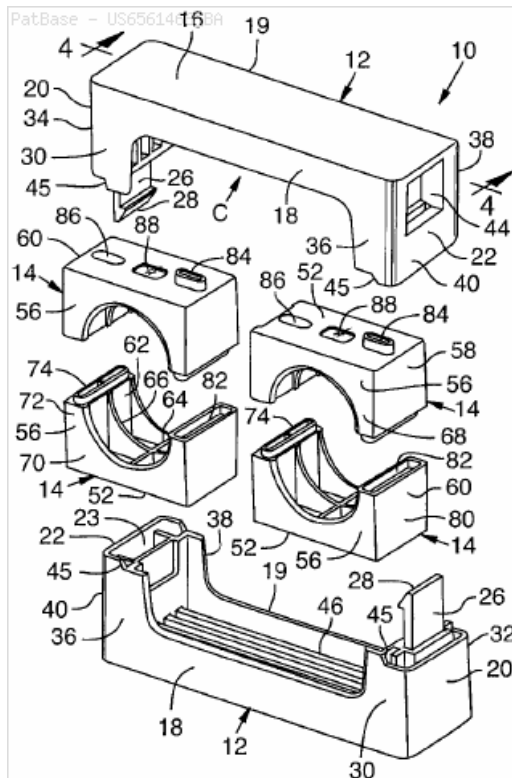
International (IPC 8-9): F16L3/22 F16L3/227 (Advanced/Invention); F16L3/22 (Core/Invention)

International (IPC 1-7): F16L3/08

CPC: F16L3/221 F16L3/227

European: F16L3/227 F16L3/22D

US: 248/68.1 248/681 248/74.4 248/744



Family:

Publication number	Publication date	Application number	Application date
US6561466 BA	20030513	US20020082020	20020220

Priority:

US20020082020 20020220

Probable Assignee: MYERS MITCHELL W

Assignee(s): (std): MYERS MITCHELL W ; MYERS WILLIAM R

Inventor(s): (std): MYERS MITCHELL W ; MYERS WILLIAM R

22) Family number: 28821267 (US2003122040A)

© PatBase

Title: CABLE CLAMP

Abstract: A cable clamp (10) includes two interchangeable half-portions (14, 16). Each half-portion (14, 16) includes an outer side, an inner side including a cable receiving region (18, 20), a hinge region (30, 32) arranged below the cable receiving region (18, 20), and a suspending region (70) arranged above the cable receiving region (18, 20). The suspending region (70) is adapted to receive an associated support element (72). The two half-portions (14, 16) are adapted to cooperatively form a unitary cable clamp body having a cable channel (22) defined by the two cable receiving regions (18, 20) and a hinge (36) including the two hinge regions (30, 32). A tightener (54) is arranged above the cable channel (22) for drawing the half-portions (14, 16) together about the hinge (36) to clamp an associated cable (12) within the cable channel (22).

Classifications:

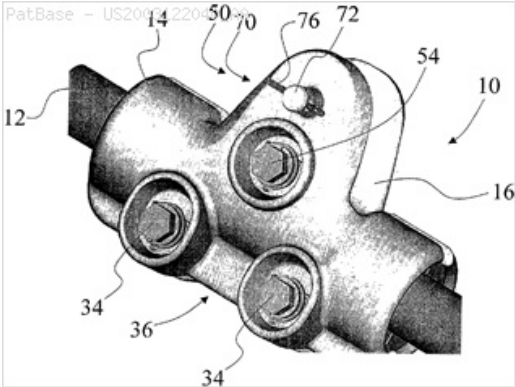
International (IPC 8-9): F16L1/00 F16L3/08 F16L3/10 G02B6/48 H02G7/05 (Advanced/Invention); F16L1/00 F16L3/08 F16L3/10 G02B6/46 H02G7/00 (Core/Invention)

International (IPC 1-7): F16L1/00 F16L3/00 F16L3/08

CPC: G02B6/483 H02G7/053

European: G02B6/48A H02G7/05B

US: 248/63 248/74.1 248/741



Family:

Publication number	Publication date	Application number	Application date
AU2002361891 AA	20030724	AU20020361891	20021227
BRPI0215464 A	20050111	BR2002PI15464	20021227
BRPI0215464 B1	20110809	BR2002PI15464	20021227
CN100400949 C	20080709	CN20028028393	20021227
CN1623055 A	20050601	CN20028028393	20021227
RU2004123100 A	20050427	RU20040123100	20021227
RU2289055 C2	20061210	RU20040123100	20021227
US2003122040 AA	20030703	US20010034753	20011228
US6595472 BA	20030722	US20010034753	20011228
WO03058105 A1	20030717	WO2002US41629	20021227

Priority:

US20010034753 20011228 WO2002US41629 20021227

Probable Assignee: PREFORMED LINE PRODUCTS CO

Assignee(s): (std): PREFORMD LAJN PRODAKTS KOMPANI ; PREFORMED LINE PRODUCTS CO

Assignee(s): PREFORMED LINE PRODUCTS COMPANY

Inventor(s): (std): PHILIP J PISCZAK ; PISCHAK FILIP DZH ; PISCZAK PHILIP J

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 LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE 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 UZ VC VN YU ZA ZM ZW

23) Family number: 28846225 (US2003136891A)

© PatBase

Title: DEVICE FOR SECURING A HYDRAULIC MODULATOR TO A VEHICLE

Abstract: A device for securing a hydraulic modulator to a vehicle includes a base for receiving a portion of the hydraulic modulator and a clamp movably connected to the base and movable between a first position, wherein the portion of the hydraulic modulator can be positioned on the base, and a second position, wherein the clamp is closed over the base to secure the portion of the hydraulic modulator to the base. The clamp includes a projection that extends over the base when the clamp is in the first position so that when the projection is engaged by the portion of the hydraulic modulator, the projection will automatically move the clamp from the first position toward the second position. In one aspect of the invention, the clamp is hinged to the base.

Classifications:

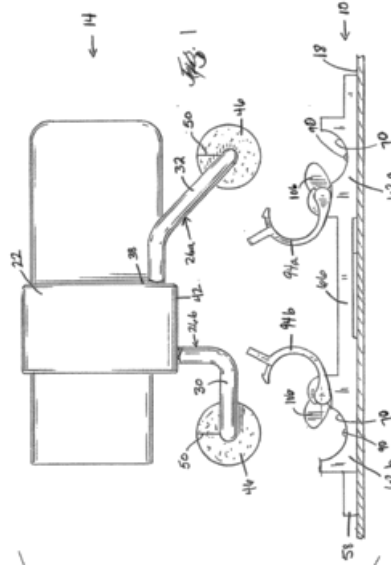
International (IPC 8-9): B60T8/36 (Advanced/Invention); B60T8/36 (Core/Invention)

International (IPC 1-7): A47G1/00 A47G1/10 F16L3/00

CPC: B60T8/3685

European: B60T8/36F8B2

US: 248/316.5 248/49 248/503 248/510 248/680 248/681

**Family:**

Publication number	Publication date	Application number	Application date
US2003136891 AA	20030724	US20020056377	20020124
US6604725 BA	20030812	US20020056377	20020124

Priority:

US20020056377 20020124

Probable Assignee: ROBERT BOSCH CORP**Assignee(s):** (std): BOSCH ROBERT CORP**Assignee(s):** ROBERT BOSCH CORP**Inventor(s):** (std): HELLEBRANDT MICHAEL ; KAISER RENE ; SOMMER DIETMAR ; SULLIVAN SHAWN AARON ; THULLEN CARLO**24) Family number: 29112755 (US2003183733A)**

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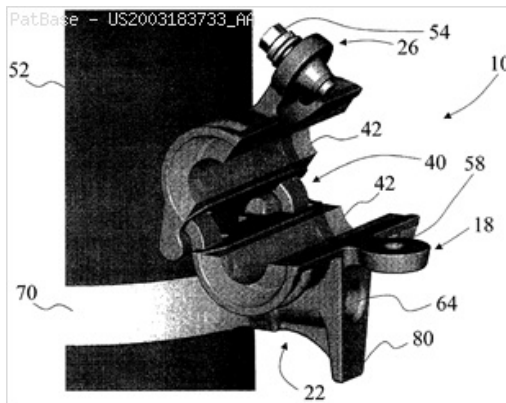
Title: MODULAR CABLE SUPPORT APPARATUS, METHOD, AND SYSTEM

Abstract: A cable support system includes a plurality of first components (12) and a plurality of second components (14). Each first component (12) has a hinge edge (16), a tightening region (18) disposed on an opposite side from the hinge edge (16), a cable channel (20) arranged between the hinge edge (16) and the tightening region (18), and an interconnecting structure (22). Each second component (14) has a hinge edge (24), a tightening region (26) disposed on an opposite side from the hinge edge (24), and a cable channel (28) arranged between the hinge edge (24) and the tightening region (26). A first cable support device (10) is constructable by hingeably combining selected first and second components (12, 14) via the hinge edges (16, 24). A second cable support device (100) is constructable by hingeably combining selected two second components (14) via the hinge edges (24).

Classifications:**International (IPC 8-9):** F16L3/08 F16L3/12

H02G7/05 (Advanced/Invention);

F16L3/08 F16L3/12 H02G7/00 (Core/Invention)

International (IPC 1-7): F16L3/08 F16L3/12**CPC:** H02G7/053**European:** H02G7/05B**US:** 248/229.23 248/62 248/74.1 248/74.4 248/744**Family:**

Publication number	Publication date	Application number	Application date
AU2003220640 AA	20031020	AU20030220640	20030402
CN100344904 C	20071024	CN20038010253	20030402
CN1653288 A	20050810	CN20038010253	20030402
US2003183733 AA	20031002	US20020114173	20020402
US6892990 BB	20050517	US20020114173	20020402

WO03085308 A1	20031016	WO2003US10118	20030402
WO03085308 B1	20031218	WO2003US10118	20030402

Priority:

US20020114173 20020402 WO2003US10118 20030402

Probable Assignee: PREFORMED LINE PRODUCTS CO

Assignee(s): (std): GARCIA JOSE ANTONIO RIVERO ; PISCZAK PHILIP J ; PREFORMED LINE PRODUCTS CO

Assignee(s): PREFORMED LINE PRODUCTS COMPANY

Inventor(s): (std): GARCIA JOSE ANTONIO RIVERO ; PISCZAK PHILIP J ; RIVERO GARCIA JOSE ANTONIO ; RIVERO PISCZAK PHILIP J GARCIA

Inventor(s): JOSE ANTONIO RIVERO GARCIA ; PHILIP J PISCZAK

Agent(s): FAY SHARPE FAGAN MINNICH AND MCKEE 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 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 LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE 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

25) Family number: 31370462 (US2004238199A)

© PatBase

Title: CONNECTING APPARATUS, IMAGE SCANNING APPARATUS, AND IMAGE FORMING SYSTEM

Abstract: A connecting apparatus of the present invention includes a cable used for electrically connecting an apparatus main body section to a section rotatably supported by a hinge member with respect to said apparatus main body section, wherein the cable is provided in parallel to a rotation axis of the hinge member so as to be held by the apparatus main body section and the section, respectively, and the cable has a half-loop shape. Because the cable is provided in parallel to a rotation axis of the hinge member so as to be held by the apparatus main body section and the section, respectively, the torsional stress is dispersed in the half-loop of the cable when the cable is twisted by a rotation of the section rotatably supported. On this account, the stress is not concentrated, thereby reducing the stress applied to the cable, and improving a durability of the cable.

Classifications:

International (IPC 8-9): F16L3/08 G03G15/00 G03G21/16 H01B1/00 H02G11/00 H02G3/04 H05K7/00 (Advanced/Invention); F16L3/08 G03G15/00 G03G21/16 H01B1/00 H02G11/00 H02G3/04 H05K7/00 (Core/Invention)

International (IPC 1-7): F16L3/08 G03G15/00 H01B1/00 H02G11/00 H02G3/04 H05K7/00

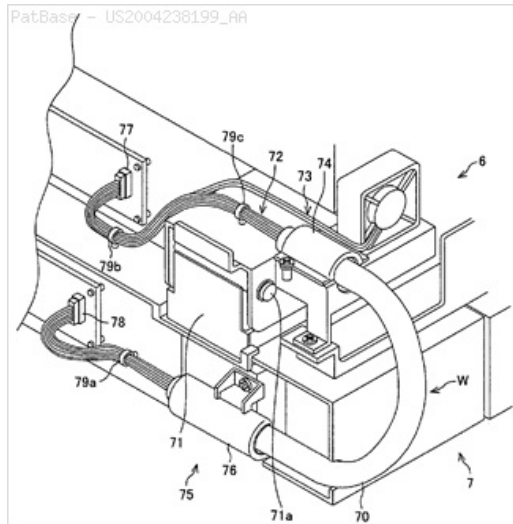
CPC: G03G15/605 G03G21/1652 G03G2221/166

European: G03G21/16 S03G221/16K3

US: 174/135 174/68.1 174/681 174/72A 174/72C 248/65

JP F-Term: 2H071 2H076 2H076/AA04 2H076/AA58 2H076/BA20 2H076/BA42 2H076/BA49 2H076/BA52 2H076/EA18 2H171 2H171/FA05 2H171/FA21 2H171/FA28 2H171/GA09 2H171/HA06 2H171/HA11 2H171/HA15 2H171/HA18 2H171/HA20 2H171/JA13 2H171/KA13 2H171/KA15 2H171/KA28 2H171/MA02 2H171/MA03 2H171/MA20 2H171/QA02 2H171/QA08 2H171/QB02 2H171/QB14 2H171/QB15 2H171/QB16 2H171/QB17 2H171/QB32 2H171/QC02 2H171/QC18 2H171/QC22 2H171/QC36 2H171/RA01 2H171/RA03 2H171/RA05 2H171/RA08 2H171/SA11 2H171/SA12 2H171/SA15 2H171/SA18 2H171/SA19 2H171/SA20 2H171/SA22 2H171/SA28 2H171/SA29 2H171/SA31 2H171/WA13 2H171/WA23 4E352 4E352/AA03 4E352/AA16 4E352/BB02 4E352/BB08 4E352/CC02 4E352/CC11 4E352/CC22 4E352/CC52 4E352/DD04 4E352/DD05 4E352/DD08 4E352/DR05 4E352/DR14 4E352/DR27 4E352/DR43 4E352/GG02 4E352/GG20 5G371 5G371/AA05 5G371/BA07 5G371/CA03

JP F-Index: G03G15/00/107 G03G15/00/550 G03G15/00/680 G03G21/16/161 H02G11/00/P H02G11/00/Y H02G11/00/060 H05K7/00/B



Family:

Publication number	Publication date	Application number	Application date
CN100359410 C	20080102	CN200410047422	20040527
CN1573589 A	20050202	CN200410047422	20040527
JP2004357370 A2	20041216	JP20030149743	20030527
JP4493935 B2	20100630	JP20030149743	20030527
US2004238199 AA	20041202	US20040849377	20040520
US6909048 BB	20050621	US20040849377	20040520

Priority:

JP20030149743 20030527

Probable Assignee: SHARP KK

Assignee(s): (std): SHARP KK

Assignee(s): SHARP CORP ; SHARP K USHIKI KAISHA AB ; SHARP KABUSHIKI KAISHA

Inventor(s): (std): HISASHI YAMANAKA ; MAKOTO MASUDA ; SOHICHI TAKATA ; TAKADA SOICHI ; YASUHIRO ONO ; YAMANAKA HISASHI ; TAKATA SOHICHI ; ONO YASUHIRO ; MASUDA MAKOTO

Agent(s): HARA KENZO; HARAKENZO WORLD PATENT AND TRADEMARK; NIXON AND VANDERHYE PC

26) Family number: 31383306 (US2004244143A)

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Title: GARDEN CART HANDLE

Abstract: A garden cart handle having a main shank having a principal axis, a first end pivotably connectable to a garden cart and a second end opposite the first end. A handgrip portion is connected to the second end of the main shank, having a principal axis disposed substantially orthogonal to the principal axis of the main shank, a first end and a second end. A

hinged portion, having an inboard end and an outboard end, is connected to the handgrip portion through a pivoting connection so as to allow the hinged portion to pivot about the principal axis of the handgrip portion. A flange is disposed on the outboard end of the hinged portion, shaped and sized to connect to a trailer tongue of a tractor. A latch is disposed on the second end of the main shank, shaped and sized to secure the hinged portion against pivoting.

Classifications:

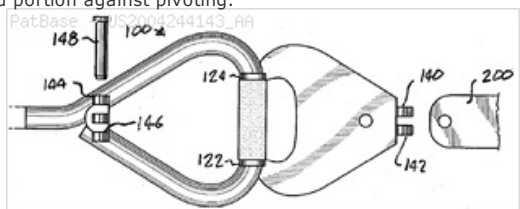
International (IPC 8-9): B60D1/00 B60D1/54 B62B5/06 F16L3/233 F16L5/00 H02G3/22 (Advanced/Invention); B62B5/00 (Advanced/Non-invention); B60D1/00 B62B5/00 F16L3/22 F16L5/00 H02G3/22 (Core/Invention)

International (IPC 1-7): A45C13/22 B60D1/54 B62B5/06 B62B7/00 E05B7/00 F16L5/00 H02G3/22

CPC: Y10T16/44 Y10T16/513 Y10T16/516 F16L5/00 F16L3/2332 H02G3/22 Y10T16/05 B60D1/565 B60D1/00 B62B5/0079 B62B5/06 B33Y80/00

European: B60D1/00 B60D1/56B B62B5/06 F16L3/233B F16L5/00 H02G3/22 L62B5/00P8

US: 16/110.1 16/110.100P 16/2.1 16/21 16/444 16/446 280/415.1 280/416.1 280/491.5



Family:

Publication number	Publication date	Application number	Application date
CA2468194 AA	20041206	CA20042468194	20040521
US2004244143 AA	20041209	US20030456991	20030606
US6868580 BA	20050322	US20020175432	20020619
US6868581 BB	20050322	US20030456991	20030606

Priority:

US20020175432 20020619 US20030456991 20030606 CA20042468194 20040521

Probable Assignee: INT DEVELOPMENT CORP

Assignee(s): (std): INT DEV CORP ; INT DEVELOPMENT CORP ; NORTHROP GRUMMAN CORP

Assignee(s): NORTHROP GRUMMAN SYSTEMS CORP ; SHIN ZU SHING CO LTD ; BROWDER JOHN ; INT DEVELOPMENT LTD ; INTIONAL DEVELOPMENT CORP

Inventor(s): (std): BROWDER JOHN ; DIGGS PAUL BARTH

Agent(s): RIDOUT AND MAYBEE LLP; FULBRIGHT AND JAWORSKI LLP; KENNETH T; DANAMRAJ AND YOUST PC

27) Family number: 32131240 (US2005205722A)

© PatBase

Title: PIPE AND TUBE SUPPORT

Abstract: A pipe and tube support apparatus is provided. The support includes a housing having upper and lower housing portions that are hingedly interconnected at one end to provide a clam-shell like configuration. A fastener is provided opposite the hinged interconnection to lock the housing in a closed position about a tube or a pipe. Upper and lower liners are positioned within the upper and lower housing portions to provide a cylindrical surface for contacting a pipe or tube. An interconnection is provided between the housing and a support rod and allows the housing to be at an angle to accommodate a sloped pipe or tube.

Classifications:

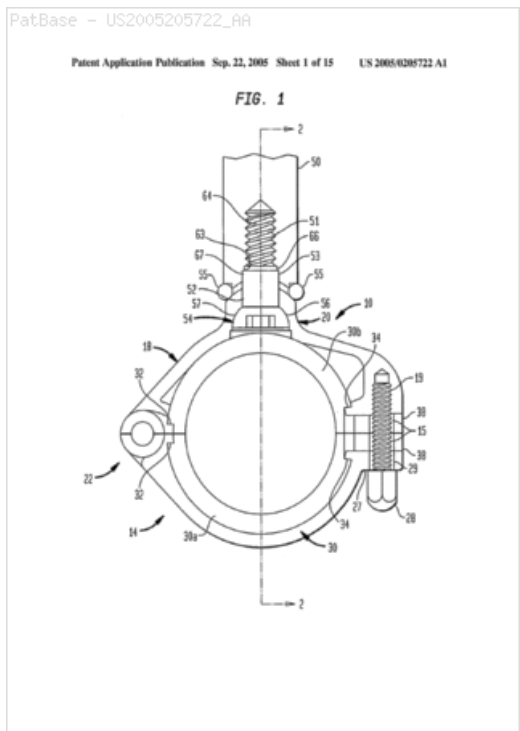
International (IPC 8-9): E21F17/02 F16L3/00 F16L3/11 F16L3/12 F16L3/133 (Advanced/Invention); E21F17/00 F16L3/00 F16L3/10 F16L3/12 (Core/Invention)

International (IPC 1-7): E21F17/02 F16L3/00

CPC: F16L3/11 F16L3/1215 F16L3/133

European: F16L3/11 F16L3/12K F16L3/133

US: 248/62



Family:

Publication number	Publication date	Application number	Application date
US2005205722 AA	20050922	US20050047466	20050131
WO05072393 A2	20050811	WO2005US02634	20050131
WO05072393 A3	20061214	WO2005US02634	20050131

Priority:

US20040540178P 20040129 US20050047466 20050131

Probable Assignee: BEHRINGER CORP

Assignee(s): (std): BEHRINGER CORP ; KRUEGER CAREY
Inventor(s): (std): KRUEGER CAREY
Agent(s): MCCARTER AND ENGLISH LLP
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG 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 LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

28) Family number: 34116717 (US2007017687A) © PatBase

Title: CONDUIT ATTACHMENT APPARATUS

Abstract: A conduit attachment apparatus is secured to an open end of a conduit for holding cables or wires. In one embodiment the conduit attachment apparatus comprises a spillway and a securement collar. The spillway is adapted to provide bend radius control to cables or wires extending out of the conduit. The securement collar is adapted to secure and remove the spillway from the conduit. In another embodiment, the securement collar can be installed without the use of tools and can rotate up to approximately 180 degrees about the spillway.

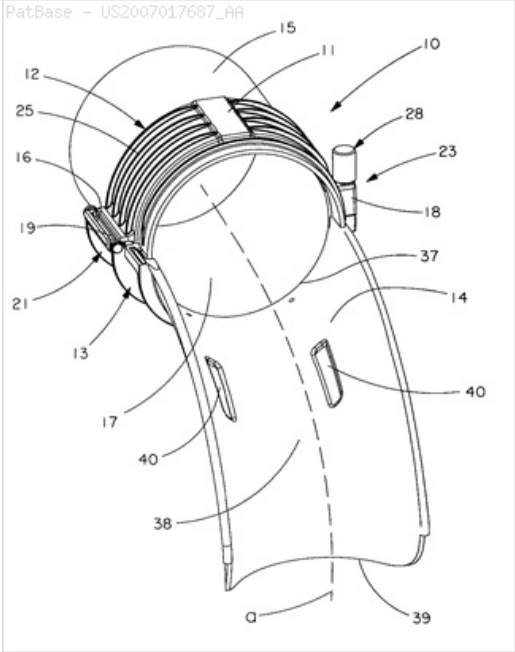
Classifications:

International (IPC 8-9): F16L3/08 H02G15/08 (Advanced/Invention); F16L3/08 H02G15/08 (Core/Invention)

CPC: Y10T24/1453 H02G1/08 H02G9/06

European: H02G1/08 H02G9/06

US: 174/21.0JS 174/21JS 24/285 248/74.1 248/74.4



Family:

Publication number	Publication date	Application number	Application date
US2007017687 AA	20070125	US20060420503	20060526
US7740211 BB	20100622	US20060420503	20060526

Priority:

US20050685196P 20050527 US20060420503 20060526

Probable Assignee: PANDUIT CORP

Assignee(s): (std): PANDUIT CORP

Inventor(s): (std): DUKES JOSEPH A ; DUKES JOSEPH ALLEN

Inventor(s): DUKES JOSEPH

Agent(s): PANDUIT CORP; ROBERT A; CHRISTOPHER S; AIMEE E

29) Family number: 40456156 (US7281689B) © PatBase

Title: PIPE SUPPORT ASSEMBLY

Abstract: A pipe support assembly for supporting a section of pipe from an overhead structure includes at least one support portion and a hanging element or strap for hanging the support portion or portions from the overhead structure. At least one of the support portions defines a pipe support surface for supporting the section of pipe. The support portions may be engagable together to retain the hanging element therebetween. The hanging element may be retained along and between grooves extending at least partially along at least one portion of the support portions. At least one end or portion of the hanging element is securable to the overhead structure to hang the support portion or portions and the section of pipe from the overhead structure.

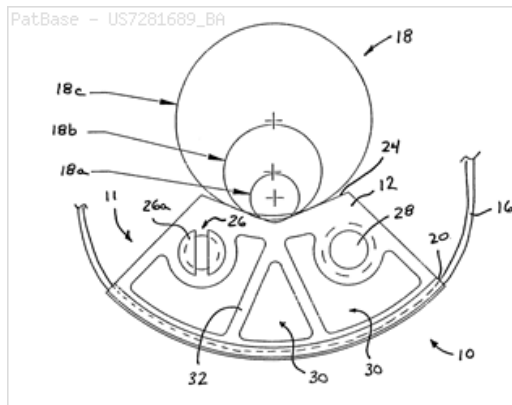
Classifications:

International (IPC 8-9): E21F17/02 F16L3/00 (Advanced/Invention); E21F17/00 F16L3/00 (Core/Invention)

CPC: F16L3/13 F16L3/133 F16L3/137

European: F16L3/13 F16L3/133 F16L3/137

US: 248/49 248/58 248/61 248/62 248/74.1 248/74.3 248/741 248/743

**Family:**

Publication number	Publication date	Application number	Application date
US7281689 BA	20071016	US20040983987	20041108

Priority:

US20030524248P 20031121 US20040983987 20041108

Probable Assignee: JOHNSTON MICHAEL R

Assignee(s): (std): JOHNSTON MICHAEL R

Assignee(s): JOHNSTON SUSAN K

Inventor(s): (std): JOHNSTON MICHAEL R

Agent(s): VAN DYKE GARDNER LINN AND BURKHART LLP

30) Family number: 41949908 (US2009014208A)

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Title: HINGED BUSHING SUSPENSION CLAMP AND METHOD FOR USING SAID CLAMP

Abstract: A clamp with a first clamp half with a hinge portion and a first opening for a fastener; a second clamp half, with a hinge portion and a first opening for a fastener; a cable opening; and a hinge device for connecting the two hinge portions. The clamp may also include a first clamp half with a second opening for a closing insert.

Classifications:

International (IPC 8-9): B23P11/00 F16L3/08 H02G3/00

H02G7/00 (Advanced/Invention);

B23P11/00 H02G3/00 H02G7/00 (Core/Invention)

CPC: Y10T24/1453 Y10T24/44504 Y10T29/49947 H02G7/053

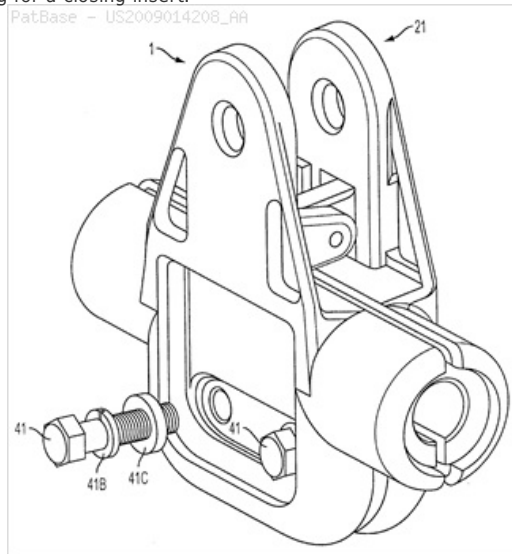
European: H02G7/05B

US: 174/40CC 24/285 24/514 248/230.4 248/231.51 248/316.5

248/74.1 248/74.4 29/525.01 29/525.010S 324/117R 324/127

81/318

PatBase - US2009014208_AA

**Family:**

Publication number	Publication date	Application number	Application date
CA2666352 AA	20090409	CA20072666352	20071218
US2009014208 AA	20090115	US20070280583	20071218
US8500073 BB	20130806	US20070280583	20071218
WO08077055 A1	20080626	WO2007US87969	20071218

Priority:

US20060870466P 20061218 US20070280583 20071218 WO2007US87969 20071218

Probable Assignee: AFL TELECOMMUNICATIONS LLC

Assignee(s): (std): AFL TELECOMMUNICATIONS LLC ; QUESNEL WAYNE L

Inventor(s): (std): QUESNEL WAYNE L

Agent(s): RIDOUT AND MAYBEE LLP; SUGHRUE MION PLLC; PELLEGRINI CARL J ET AL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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 IS IT JP KE KG KM KN KP KR 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 PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: INCREASED AXIAL RATE AND IMPROVED DURABILITY OF AN ELASTOMERIC BUSHING

Abstract: An elastomer bushing having an increased axial rate, improved durability, and high fatigue life due to the compression and confinement of the rubber element is provided. The manufacture of the elastomer journal is conventional for commercial vehicle applications. In a primary embodiment, the rubber is bonded to a bar pin by an adhesive, wherein the rubber journal is then subsequently assembled into an outer tube. After assembly, the outer tube is curled to retain the rubber journal, and the center of the outer tube diameter is swaged or compressed so as to deform the outer tube into the rubber. The compressed groove in the outer tube comprises the unique feature of this bushing design. This groove provides a mechanical "footing" that resists movement when an axial load is applied.

Classifications:

International (IPC 8-9): B29D31/00 B29D99/00 B60G7/00 B60G7/04

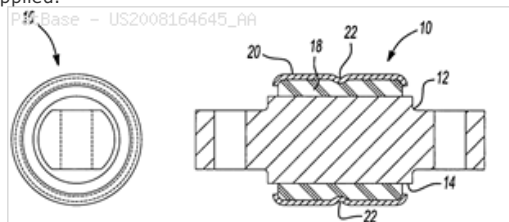
F16F1/38 F16F15/00 (Advanced/Invention);

B29D99/00 B60G7/00 F16F1/38 F16F15/00 (Core/Invention)

CPC: Y10T29/49615 F16F1/3814 F16F1/3863

European: B60G7/00 B60G7/04 F16F1/38B2 F16F1/38N

US: 267/140.12 29/896.93

**Family:**

Publication number	Publication date	Application number	Application date
CN101583505 A	20091118	CN200880002013	20080103
DE112008000166 T5	20091217	DE200811000166T	20080103
GB200912084 A0	20090819	GB20090012084	20080103
GB2457861 A1	20090902	GB20090012084	20080103
KR20090098978 A	20090918	KR20097014486	20080103
US2008164645 AA	20080710	US20070651952	20070110
WO08085832 A1	20080717	WO2008US00041	20080103

Priority:

US20070651952 20070110 WO2008US00041 20080103

Probable Assignee: PULLMAN CO

Assignee(s): (std): MCLAUGHLIN RONALD J ; PULLMAN CO ; BOST ROBERT J JR

Assignee(s): JPMORGAN CHASE BANK ; BOST ROBERT J ; PULLMAN COMPANY THE ; THE PULLMAN COMPANY ; THE PULLMAN CO

Inventor(s): (std): BOST JUN ; BOST ROBERT J ; BOST ROBERT J JR ; MCLAUGHLIN RONALD J

Inventor(s): RONALD J MCLAUGHLIN ; ROBERT J BOST JR

Agent(s): HARNESS DICKEY AND PIERCE PLC; MILLER H KEITH ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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 IS IT JP KE KG KM KN KP KR 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 PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: CABLE HOLDER ARRANGEMENT

Abstract: A cable holder arrangement, including a protective tube, through which one or more cables are run with radial play, a cable retainer strap, arranged on a holder element at one end thereof and enclosing the protective tube and pulled with the free end region thereof through an opening in the holder element to make enclosing contact with the protective tube and prevented from making a movement in the direction of release of the enclosing contact by a blocking means. The cable is enclosed by a spacer in the region of the cable retainer strap the outer diameter of which approximately corresponds to the inner diameter of the protective tube.

Classifications:

International (IPC 8-9): B23P19/04 F16G11/00 F16G11/02 H02G3/04

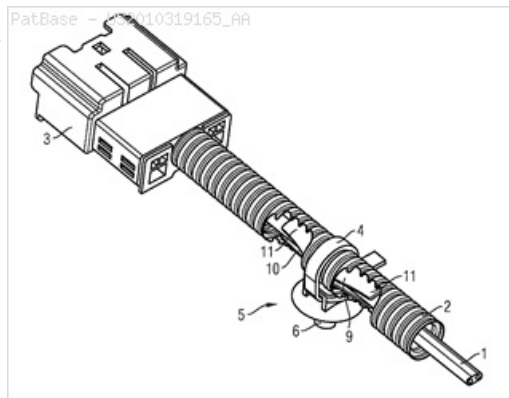
H02G3/32 H02G3/34 (Advanced/Invention);

H02G3/04 H02G3/30 (Core/Invention)

CPC: Y10T24/39 Y10T24/398 Y10T29/49826 H02G3/32

European: H02G3/32

US: 24/115.00AP 24/115.00RS 24/115A 24/115R 29/428 29/428S

**Family:**

Publication number	Publication date	Application number	Application date
DE102007009015 A1	20080904	DE200710009015	20070223
EP2054984 A2	20090506	EP20080708648	20080204
US2010319165 AA	20101223	US20080528331	20080204
WO08101797 A2	20080828	WO2008EP51345	20080204
WO08101797 A3	20081023	WO2008EP51345	20080204

Priority:

DE200710009015 20070223 WO2008EP51345 20080204

Probable Assignee: CONTINENTAL AUTOMOTIVE GMBH**Assignee(s):** (std): CONTINENTAL AUTOMOTIVE GMBH ; SKARPIL HARRY**Inventor(s):** (std): SKARPIL HARRY**Agent(s):** COHEN PONTANI LIEBERMAN AND PAVANE LLP; CONTINENTAL AUTOMOTIVE GMBH**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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 IS IT JP KE KG KM KN KP KR 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 PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW**33) Family number: 34517195** (US2008230657A)

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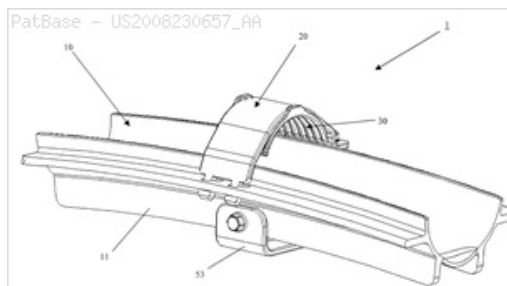
Title: CABLE CLAMP

Abstract: A cable clamp for an electrical cable, comprising a first member and a second member that can cooperatively retain a cable between them; wherein the first member has been formed by extrusion in the general axial direction of a cable as it is to be retained in the clamp, at least a portion of the axial cross-section of the first member comprising a receiving part having a curved shape within which a portion of the cables to be located, and a flange extending from either side of the receiving part; and the second member is attachable at either end to a flange of the first member so as to retain the cable within the receiving part of the first member.

Classifications:**International (IPC 8-9):** F16L3/00 F16L3/10 H02G7/05

H02G9/00 (Advanced/Invention);

F16L3/10 H02G7/00 H02G9/00 (Core/Invention)

CPC: H02G7/053 F16L3/1008 H02G3/32 H02G9/08 F16L3/10**European:** F16L3/10 F16L3/10B H02G3/32 H02G7/05B T02G9/08**US:** 248/63 248/63P 248/65 248/73 248/74.1**Family:**

Publication number	Publication date	Application number	Application date
AT510338 E	20110615	AT20080250959T	20080319
DE602008006957 D1	20110630	DE200860006957T	20080319
EP1973211 A1	20080924	EP20080250959	20080319
EP1973211 B1	20110518	EP20080250959	20080319
ES2366867 T3	20111026	ES20080250959T	20080319
GB200705516 A0	20070502	GB20070005516	20070322
GB200805128 A0	20080423	GB20080005128	20080319
GB2447773 A1	20080924	GB20080005128	20080319
US2008230657 AA	20080925	US20080052614	20080320
US8398033 BB	20130319	US20080052614	20080320

Priority:GB20070005516 20070322 US20080049003 20080314 EP20080250959 20080319
US20080052614 20080320**Probable Assignee:** ELLIS PATENTS HOLDINGS LTD**Assignee(s):** (std): BOOTH ANDREW ; ELLIS PATENTS HOLDINGS LTD ; ELLIS PATENTS LTD**Assignee(s):** ELLIS PATENTS HOLDINGS RILLINGTON LTD ; ELLIS PATENTS LIMITED ; ELLIS PATENTS HOLDINGS LIMITED**Inventor(s):** (std): BOOTH ANDREW ; CALVERT CHRISTOPHER JOHN ; SHAW RICHARD ARMITAGE**Inventor(s):** BOOTH ANDREW FILEY ; ANDREW BOOTH**Agent(s):** HASELTINE LAKE LLP; BILLINGTON LAWRENCE EMLYN; BANNER AND WITCOFF LTD**Designated states:** AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK TR**34) Family number: 42524601** (US2008283687A)

© PatBase

Title: LINED CLAMP FOR HOSES AND CONTROL LINES

Abstract: A clamp with liner and mounting base are provided for the attachment of control lines to a subsea riser. The clamp comprises an upper clamp half and a lower clamp half. Each clamp half is hingedly connected along a hinge edge of each clamp half to the other clamp half and latchably connected along a latch edge of each clamp half to the other clamp half by latch structure carried by each clamp half. The latch structure carried by the upper clamp half comprises a pair of parallel ears protruding transversely away from the latch edge of the upper clamp half and defining a pair of aligned boreholes, a pivot pin having a transverse borehole carried by the aligned boreholes through the ears, a bolt carried in the transverse borehole through the pivot pin, and a toggle bar having a threaded transverse borehole therethrough threadably mounted on the bolt. The latch structure carried by the lower clamp half comprises a pair of parallel ears protruding transversely from the latch edge of the lower clamp half and defining a pair of saddles facing away from the upper clamp half and contoured for close receipt of the toggle bar. Each clamp half has an inner surface defining a laterally bounded depression for receiving and locating a liner element having a portion shaped to fit the depression.

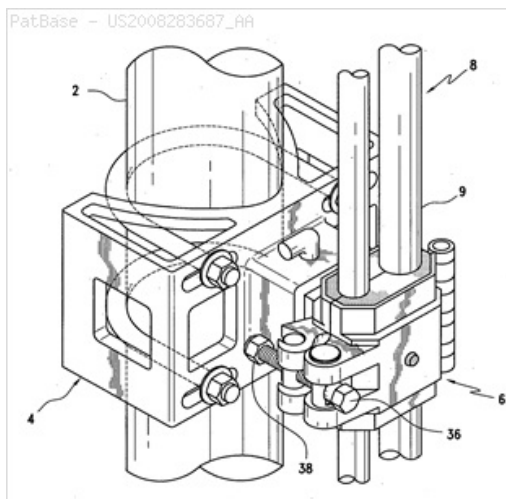
Classifications:**International (IPC 8-9):** A47B96/06 F16L3/12 (Advanced/Invention);

A47B96/06 F16L3/12 (Core/Invention)

CPC: Y10T403/4916 Y10T403/5761 Y10T403/5766 Y10T403/7011

F16L3/237 E21B17/1035

European: E21B17/10D F16L3/237
US: 248/229.14 248/58 248/61 248/62 248/65 248/74.1 403/276
403/309 403/310 403/351



Family:

Publication number	Publication date	Application number	Application date
US2008283687 AA	20081120	US20070804276	20070517
US7614593 BB	20091110	US20070804276	20070517

Priority:

US20070804276 20070517

Probable Assignee: INT CLAMPS INC

Assignee(s): (std): INT CLAMPS INC ; INTERNAT CLAMPS INC

Assignee(s): INTERNATIONAL CLAMPS INC

Inventor(s): (std): GOODMAN WILLIAM MAX ; MCCLURE LAWRENCE M

Agent(s): JOHN R CASPERSON; JOHN R

35) Family number: 47944596 (US7861982B)

© PatBase

Title: SUBSEA CLAMP FOR HOSES AND CONTROL LINES

Abstract: A clamp for a tubular hose or cable is disclosed. The clamp comprises a first clamp half, a second clamp half, and a hinge pin. The first clamp half has a first end and a second end and defines a first concave semi-cylindrical face. The first end of the first clamp half carries means for mounting the clamp. The second clamp half has a first end and a second end and defines a second concave semi-cylindrical face. The first clamp half and the second clamp half come together along a parting line and are retained together by a hinge pin. The clamp halves are provided with snap-in liners for easy use. Alternative mounts for mounting the clamp on subsea wire line or tubulars is also disclosed.

Classifications:

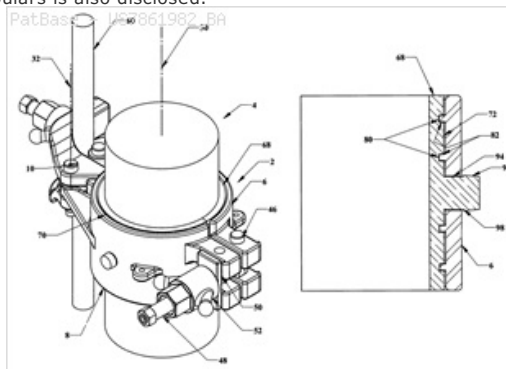
International (IPC 8-9): A47B96/06 E21B17/10 E21B19/02 F16L1/12 F16L3/08 F16L3/10 (Advanced/Invention)

CPC: F16L3/1075 Y10T403/5753 Y10T403/70 Y10T403/7105

F16L3/1025 E21B19/02 F16L1/123 F16L3/08 E21B17/1035 F16L3/237

European: F16L3/10L F16L3/237

US: 1/1 248/229.13 248/229.14 248/316.5 248/55 248/58 248/61 248/68.1 248/73 248/74.1 285/364 285/367 285/369 285/420 285/45 285/55 403/308 403/345 403/385



Family:

Publication number	Publication date	Application number	Application date
US7861982 BA	20110104	US20070985412	20071115
US8464986 BA	20130618	US20100927821	20101124
US9360135 BA	20160607	US20140465927	20140822

Priority:

US20060859333P 20061116

US20070985412 20071115

US20100927821 20101124

US20130790368 20130308

US20140465927 20140822

Probable Assignee: INT CLAMPS INC

Assignee(s): (std): INT CHAMPS INC ; INT CLAMPS INC ; INTERNAT CLAMPS INC ; MCCLURE LAWRENCE M

Assignee(s): INTERNATIONAL CLAMPS INC

Inventor(s): (std): MCCLURE LAWRENCE M

Agent(s): JOHN R

36) Family number: 48787668 (US2013032379A)

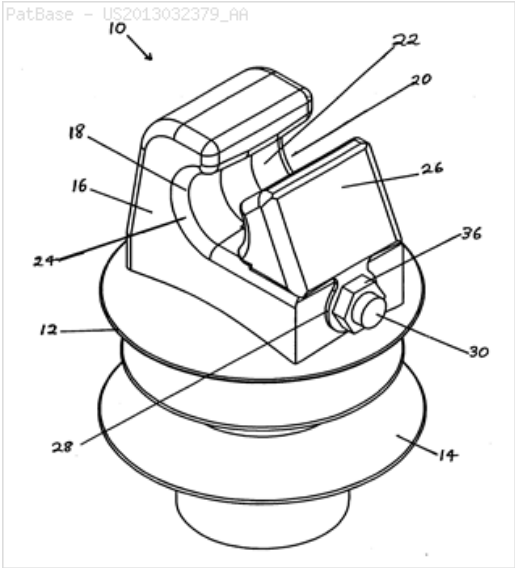
© PatBase

Title: INTEGRATED CLAMP INSULATORS

Abstract: An electrical insulator (12) comprising an insulator body (14) and a clamp (16) formed as an integral piece, wherein the insulator body has a base fitting for attachment to a support structure at one end with the clamp (16) being formed at the other end, said clamp having a body including a saddle (18) defining a hollow (20) for receiving an electrical conductor whether the electrical insulator is extending either substantially horizontally or substantially vertically from the support structure, and a bolt (30) upon which a keeper or retainer (26) is movable along a track (28) defined in the body of the clamp for securing an electrical conductor in the hollow (20).

Classifications:

International (IPC 8-9): H01B17/00 H01B17/06
H01B17/16 (Advanced/Invention);
H01B (Subclass/Invention)
CPC: H02G7/053 H01B17/16
European: H01B17/16 H02G7/05B
US: 174/163R



Family:

Publication number	Publication date	Application number	Application date
AU2010310867 AA	20110428	AU20100310867	20101014
CA2778556 AA	20110428	CA20102778556	20101014
DE10824296 T1	20130523	DE20100824296T	20101014
EP2491563 A1	20120829	EP20100824296	20101014
EP2491563 A4	20131211	EP20100824296	20101014
ES2406265 T1	20130606	ES20100824296T	20101014
KR20120085281 A	20120731	KR20127012127	20101014
NZ599542 A	20131129	NZ20100599542	20101014
US2013032379 AA	20130207	US20100503615	20101014
WO11047414 A1	20110428	WO2010AU01352	20101014
ZA201203251 A	20130130	ZA20120003251	20120504

Priority:

AU20090905184 20091023 AU20100310867 20101014 EP20100824296 20101014
WO2010AU01352 20101014

Probable Assignee: PACIFIC POLYMERS PTY LTD C O BURTON PARTNERS CHARTERED ACCOUNTANTS

Assignee(s): (std): BAKER ALF ; CHESSUM GORDON ; PACIFIC POLYMERS PTY LTD ; SORENSEN ANDREW

Assignee(s): PACIFIC POLYMERS PTY LTD C O BURTON PARTNERS CHART ; PACIFIC POLYMERS PTY LTD C O BURTON PARTNERS CHARTERED ACCOUNTANTS

Inventor(s): (std): BAKER ALF ; CHESSUM GORDON ; SORENSEN ANDREW

Agent(s): CALLINANS; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON; BROUILLETTE AND ASSOCIES PARTNERS; FIESSER GEROLD MICHAEL; CARVAJAL Y ISABEL; KELSON ROBERT CHARLES ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ 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 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 PE PG PH PL PT RO RS RU 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

37) Family number: 49455819 (US2012175473A)

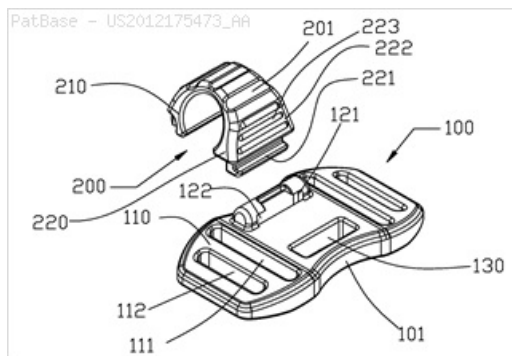
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Title: TUBE HOLDER

Abstract: The present invention relates to a tube holder comprising a main body part and a part for clamping a tube. The latter is a semi-enclosed structure, a first end of which is in rotary connection with the main body part and a second end of which buckles into the main body part. Since the tube holder herein only comprises two parts, it is simple in structure. After the tube has been placed into the part for clamping a tube, the part for clamping a tube of a semi-enclosed structure buckles into the main body part. As a result, the tube will not come off due to users' body shaking, representing excellent reliability. The tube can move in the part for clamping a tube as well. Moreover, the tube holder herein can be fixed onto the apparels or backpacks and further be regulated up and down according to uses' need.

Classifications:

International (IPC 8-9): A45F5/00 F16L3/08
F16L3/10 (Advanced/Invention)
CPC: A45F5/00 A45F5/02 A45F2003/166
European: A45F5/00 K45F3/16H K45F5/02
US: 248/74.1 248/74.100P



Family:

Publication number	Publication date	Application number	Application date
CN201925604 U	20110810	CN201120014930U	20110106
DE602012000972 D1	20140424	DE201260000972T	20120102
EP2474248 A1	20120711	EP20120150017	20120102
EP2474248 B1	20140312	EP20120150017	20120102
US2012175473 AA	20120712	US20120344619	20120106

Priority:

CN201120014930U 20110106 EP20120150017 20120102

Probable Assignee: DURAFLEX HONG KONG LTD

Assignee(s): (std): DURAFLEX HONG KONG LTD ; FRAZE GARY

Assignee(s): DURAFLEX HONG KONG LIMITED

Inventor(s): (std): FRAZE GARY ; LEONARD GARY

Inventor(s): FRAZE GARY BIG BEAR LAKE ; GARY LEONARD

Agent(s): BONVICINI DAVIDE

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

38) Family number: 53121832 (US2013048296A)

© PatBase

Title: RISER-MOUNTED GUIDE ASSEMBLY FOR UMBILICAL DEPLOYMENT

Abstract: An apparatus and method for connecting an umbilical to a marine riser is provided. The method and apparatus can be employed in instances when a riser is already in place in the water, extending from a drilling vessel to subsea equipment on the ocean floor.

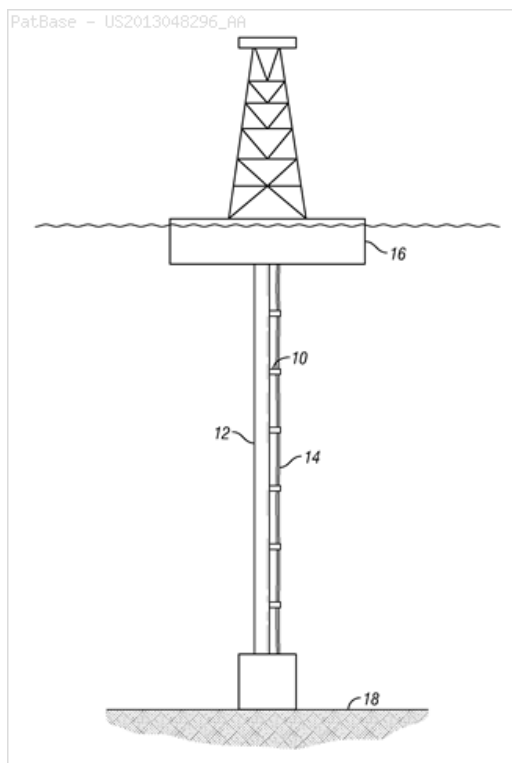
Classifications:

International (IPC 8-9): E21B17/01 E21B19/00 E21B19/06

E21B19/16 E21B19/24 E21B31/12 (Advanced/Invention)

CPC: E21B19/002

US: 1/1 166/345



Family:

Publication number	Publication date	Application number	Application date
US2013048296 AA	20130228	US20110217440	20110825
US9394748 BB	20160719	US20110217440	20110825
WO13028593 A2	20130228	WO2012US51530	20120820
WO13028593 A3	20130510	WO2012US51530	20120820

Priority:

US20110217440 20110825

Probable Assignee: CHEVRON USA INC

Assignee(s): (std): CHEVRON USA INC ; HEYWARD THOMAS B ; HENSLEY JOHN RODNEY ; GRAYBILL EVAN P ; VAJAPEYAJULA KAYLAN ; STAMATIOU ANDREAS ; VAJAPEYAJULA KALYAN ; HENSELY JOHN RODNEY ; BOYD ANDREW ; CHEVRON CORP

Assignee(s): CHEVRON U S A INC

Inventor(s): (std): BOYD ANDREW ; GRAYBILL EVAN P ; HENSELY JOHN RODNEY ; HENSLEY JOHN RODNEY ; HEYWARD THOMAS B ; STAMATIOU ANDREAS ; VAJAPEYAJULA KALYAN ; VAJAPEYAJULA KAYLAN

Agent(s): MELISSA M; MARY R; PARUL; VICK JOHN E JR ET AL

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 IS IT JP KE KG KM KN KP KR 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 PE PG PH PL PT QA RO RS RU RW 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

39) Family number: 53482737 (CN103016849A)

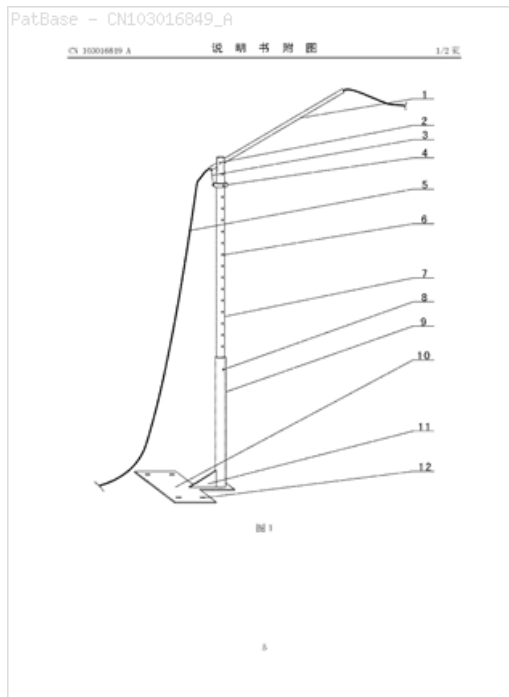
© PatBase

Title: ADJUSTABLE WIRE WIRING BRACKET

Abstract: The invention discloses an adjustable wire wiring bracket and relates to a wire wiring bracket. The adjustable wire wiring bracket is characterized in that fixing holes (12) are arranged in a fixing plate (10), the lower end of a bushing (9) is connected to the upper part of one side of the fixing plate (10), an inserted link (7) is provided with a plurality of height adjustment holes (6) at intervals from up to bottom, the lower part of the inserted link (7) is inserted in the bushing (9) and fixed with the hole of the bushing (9) after passing through the height adjustment holes (6) by a through pin (8), the near end part of a height adjustment lever (1) is connected with openings (13) by a shaft (2) in an articulated way, one end of a stay wire (3) is connected to the end part of the height adjustment lever (1), and the other end of the stay wire (3) is connected with a lantern ring (4) sleeved on the inserted link (7). According to the adjustable wire wiring bracket disclosed by the invention, convenience is brought for the wire wiring work on a temporary road, and wires are prevented from being rolled by vehicles.

Classifications:

International (IPC 8-9): F16L3/12 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN103016849 A	20130403	CN201210530632	20121211
CN103016849 B	20161221	CN201210530632	20121211

Priority:

CN201210530632 20121211

Probable Assignee: LUOYANG POWER SUPPLY CO HENAN

Assignee(s): (std): LUOYANG POWER SUPPLY CO HENAN

Assignee(s): LUOYANG POWER SUPPLY CO OF HENAN ELECTRIC POWER CO

Inventor(s): (std): CHEN ZHI ; FU KONGYANG ; LIU DANGHUI

40) Family number: 53672210 (US2014345938A)

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Title: HIGH VOLTAGE ELECTRICAL CONNECTOR

Abstract: An electrical connector for connecting a conductor with three fixations and particularly suitable for medium and high voltage applications. The connector body includes a body part with an inner profile adapted to receive the conductor and a cover part provided with two keepers that are fastened to the body part for providing the first and the second fixation of the conductor to the body part, respectively. The third fixation of the conductor is provided by an inner keeper that is partially covered by the two outer keepers. The inner keeper includes a contact element that is disposed transversally over

the conductor and attached to the body part by a U-bolt. The outer keepers and the inner keeper are shaped so that at least one of the outer keepers covers, at least partially, the inner keeper.

Classifications:

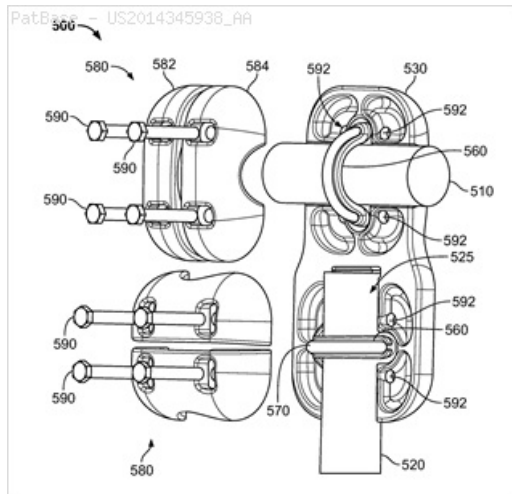
International (IPC 8-9): F16G11/06 H01R4/46

H01R43/027 (Advanced/Invention);

H01R4/60 (Advanced/Non-invention)

CPC: H01R43/027 H01R4/46 H01R4/60 Y10T29/49208

US: 1/1 174/88R 29/876



Family:

Publication number	Publication date	Application number	Application date
CA2853718 AA	20140428	CA20122853718	20121030
DE602011010086 D1	20141106	DE201160010086T	20111102
EP2590265 A1	20130508	EP20110290507	20111102
EP2590265 B1	20140924	EP20110290507	20111102
ES2526564 T3	20150113	ES20110290507T	20111102
US2014345938 AA	20141127	US20120355188	20121030
US9450315 BB	20160920	US20120355188	20121030
WO13064515 A1	20130510	WO2012EP71514	20121030

Priority:

EP20110290507 20111102 WO2012EP71514 20121030

Probable Assignee: TYCO ELECTRONICS SIMEL SAS

Assignee(s): (std): TYCO ELECTRONICS SIMEL S A S ; TYCO ELECTRONICS SIMEL SAS ; TYCO ELECTRONICS SIMET SAS

Assignee(s): ROYER LAURENT

Inventor(s): (std): ROYER LAURENT

Agent(s): SMART AND BIGGAR; GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAUESSER; VALLEJO JUAN PEDRO; FAEGRE BAKER DANIELS LLP; HEINZ SCHAEFER MARION

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 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 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

41) Family number: 55001277 (US2015083463A)

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Title: CABLE CLAMP

Abstract: A cable clamping unit for clamping an electrical cable including first and second mating units for clamping around the cable, each of the mating units including a soft sleeve for engaging the cable, the sleeves being at least semi permanently attached to a corresponding mating unit. A cable clamp includes a busbar securing portion for securing the cable clamp to a busbar, a first mating unit including a first cable locating formation, at least two securing nuts, each including a threaded portion for engaging a respective attachment bolts and also engaging at least two respective securing bolts, and a second mating unit including a second cable locating formation and adapted to engage the first mating unit thereby to securely clamp an electrical cable located between respective first and second locating formations of the first and second mating units.

Classifications:

International (IPC 8-9): B25B5/00 F16L3/00 F16L3/08 F16L3/20

H01B17/24 H01R25/00 H01R4/00 H02G3/32

H02G7/08 (Advanced/Invention)

CPC: H01B17/24 H02G3/32

US: 174/156



Family:

Publication number	Publication date	Application number	Application date
AU2012202365 AA	20131031	AU20120202365	20120416
AU2012202365 BB	20150716	AU20120202365	20120416
AU2012216533 AA	20140313	AU20120216533	20120824
AU2012216533 BB	20150416	AU20120216533	20120824
EP2839195 A1	20150225	EP20130778093	20130416
EP2839195 A4	20160217	EP20130778093	20130416

SG11201406624Y A1	20141127	SG20141106624	20130416
US2015083463 AA	20150326	US20130394236	20130416
US9601241 BB	20170321	US20130394236	20130416
WO13155554 A1	20131024	WO2013AU00385	20130416

Priority:

AU20120202365 20120416 AU20120216533 20120824 WO2013AU00385 20130416

Probable Assignee: TE CONNECTIVITY AUSTRALIA PTY LTD

Assignee(s): (std): TAPPAT ENG PTY LTD ; TYCO ELECTRONICS SERVICES GMBH

Assignee(s): TAPPAT ENGINEERING PTY LTD ; TE CONNECTIVITY AUSTRALIA PTY LTD

Inventor(s): (std): DANNENBERG PATRICK PAUL

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; MICHALSKI HUETTERMANN AND PARTNER PATENTANWALTE MBB; BARNES AND THORNBURG LLP

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 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 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

42) Family number: 55257509 (WO15021576A1)

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Title: QUICK MOUNTING SUSPENSION CLAMP

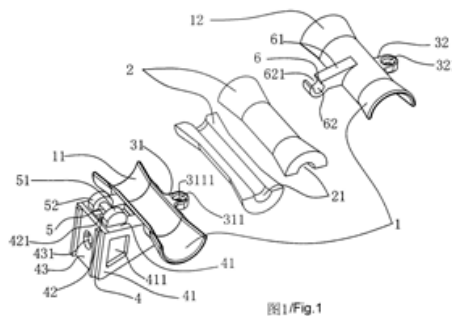
Abstract: A quick mounting suspension clamp, comprising a clamp shell (1), wherein the clamp shell comprises a first half shell (11) and a second half shell (12) that are mutually folded; an axial hole through which a cable can pass is formed in the folding surface of the first half shell and the second half shell; a lock catch column (5) is fixed on the first half shell, and the lock catch column is away from the peripheral wall of the first half shell for a certain distance, and is substantially parallel to the peripheral wall of the first half shell; and a lock catch hook (6) capable of fastening the lock catch column therein is arranged on the corresponding peripheral wall of the second half shell. The quick mounting suspension clamp can perform quick butt joining without accurate fastening, and the locking and fastening is stable; meanwhile, the quick mounting suspension clamp can adopt different mounting modes according to different mounting environments, and no support is required during mounting, so that labour is saved, and the efficiency is high.

Classifications:

International (IPC 8-9): H02G7/05 (Advanced/Invention)

CPC: H02G7/05

PatBase - WO15021576_R1



Family:

Publication number	Publication date	Application number	Application date
CN103401200 A	20131120	CN201310359303	20130816
CN203406582 U	20140122	CN201320503240U	20130816
WO15021576 A1	20150219	WO2013CN01352	20131108

Priority:

CN201310359303 20130816 CN201320503240U 20130816

Probable Assignee: NINGBO YINZHOU WUXIANG WEIYOU MECHANICAL AND ELECTRICAL FITTINGS CO LTD

Assignee(s): (std): NINGBO YINZHOU WUXIANG WEIYOU ELECTROMECHANICAL FITTINGS FACTORY ; NINGBO YINZHOU WUXIANG WEIYOU ELECTROMECHANICAL PARTS FACTORY ; NINGBO YINZHOU WUXIANG WEIYOU MECHANICAL AND ELECTRICAL FITTINGS CO LTD

Assignee(s): NINGBO YINZHOU WUXIANG WEIYOU MECHANICAL AND ELECTRICAL FITTINGS CO

Inventor(s): (std): WU WENJIE

Agent(s): NINGBO CHANNEL PATENT ATTORNEYS OFFICE

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 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

43) Family number: 55828670 (CN103606871A)

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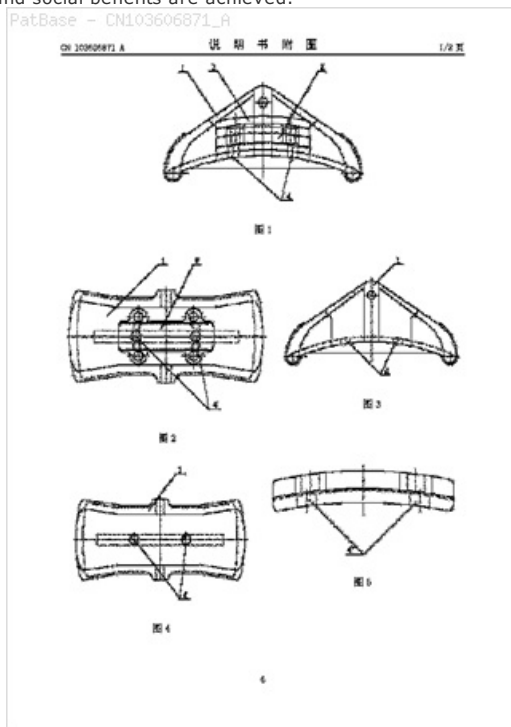
Title: RELEASE TYPE SUSPENSION CLAMP

Abstract: The invention provides a release type suspension clamp. The cross section of a suspension clamp body is triangular, openings are formed in the two ends of the bottom surface of the suspension clamp body, and blind holes are vertically formed, symmetrical with the longitudinal central axis of the bottom surface of the suspension clamp body, on the transverse central axis of the bottom surface of the suspension clamp body. The release type suspension clamp is characterized in that the suspension clamp comprises a base and a cover plate which is arranged on the base, through holes corresponding to the bottom surface of the suspension clamp body are formed in the base, and the base and the suspension clamp body are fixedly connected through screws arranged in the blind holes and the through holes. Compared with the prior

art, the release type suspension clamp has the advantages that longitudinal unbalance tension of a wire of a tower is reduced by sliding the suspension clamp and the wire, a tangent suspension tower is protected from damage, and therefore safe and reliable operation of a transmission line is guaranteed; the release type suspension clamp is simple and light in structure, streamline in appearance, capable of meeting the requirement of line projects, and suitable for being massively popularized and used, and high practicability and remarkable economic benefits and social benefits are achieved.

Classifications:

International (IPC 8-9): H02G7/06 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN103606871 A	20140226	CN201310613340	20131127
CN103606871 B	20170125	CN201310613340	20131127

Priority:

CN201310613340 20131127

Probable Assignee: JIANGSU ELECTRIC POWER CO

Assignee(s): (std): CHINA ELECTRIC POWER RES INST ; CHINA ELECTRIC POWER RESEARCH INST ; JIANGSU ELECTRIC POWER CO ; JIANGSU PROVINCIAL POWER CO ; STATE GRID CORP OF CHINA ; STATE GRID CORP CHINA

Assignee(s): STATE GRID OF CHINA CORP

Inventor(s): (std): JIN YI ; LIU SHENGCHUN ; SUN NA

44) Family number: 55891912 (US2014061397A)

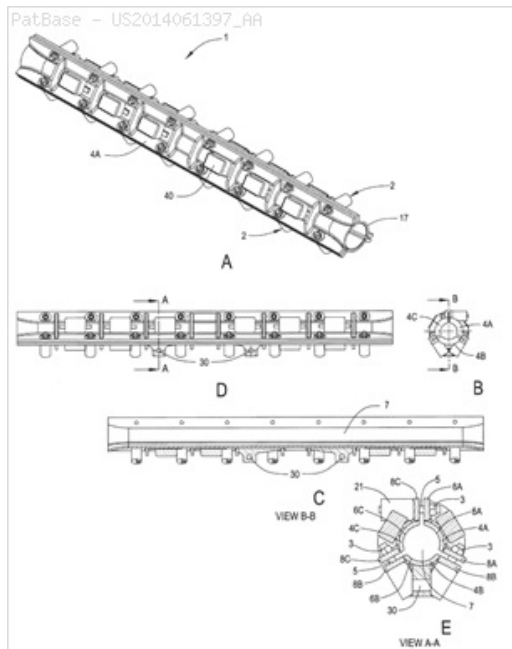
© PatBase

Title: PIGGYBACK HOLDBACK CLAMP

Abstract: A clamp is provided for mounting to a cable. The clamp has attachment means for connecting to a pipeline. Further, the clamp has plural clamp segments each with a curved section and tension devices connecting the clamp segments to each other to form a cylindrically shaped attachment area for accommodation of the cable in contact with the curved sections.

Classifications:

International (IPC 8-9): B23K37/053 E21B19/00 E21B19/12 E21B47/01 F16L1/20 F16L11/118 F16L3/00 F16L3/10 F16L3/12 F16L3/20 F16L3/22 F16L3/237 F16L3/26 F16L53/00 F16L55/17 F16L55/175 H01R31/00 H02G1/10 H02G3/32 (Advanced/Invention); H02G3/04 (Advanced/Non-invention)
CPC: F16L3/1066 B23K37/0533 B23K37/0535 F16L55/17 F16L1/20 F16L3/237 H02G3/0412 H02G3/32 F16L53/37
US: 248/74.1



Family:

Publication number	Publication date	Application number	Application date
AU2013206440 AA	20140320	AU20130206440	20130620
AU2013206440 BB	20170824	AU20130206440	20130620
BR102013021683 A2	20141021	BR20131021683	20130826
EP2703702 A2	20140305	EP20130305826	20130619
EP2703702 A3	20161012	EP20130305826	20130619
NO334470 B1	20140317	NO20120000976	20120830
US2014061397 AA	20140306	US20130924700	20130624
US9765906 BB	20170919	US20130924700	20130624

Priority:

NO20120000976 20120830

Probable Assignee: NEXANS

Assignee(s): (std): NEXANS

Inventor(s): (std): BADOWSKI RAYMOND ALEXANDER ; SKARNES GUNNAR ; SLORA BJORN ROGER

Inventor(s): BJORN ROGER SLORA ; GUNNAR SKARNES ; RAYMOND ALEXANDER BADOWSKI

Agent(s): HALFORDS IP; GAUER PIERRE; SOFER AND HAROUN LLP

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

45) Family number: 55971179 (US2015240768A)

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Title: HOLDER FOR FASTENING A TUBULAR COMPONENT TO AN ATTACHMENT STRUCTURE

Abstract: A holder for fastening a manifold of a fuel distributor to an attachment structure includes: a first half shell; a second half shell; a first elastically deformable damping element provided on a retaining region of the first half shell; and a second elastically deformable damping element provided on a retaining region of the second half shell. The half shells are joined to each other for fastening the manifold to the attachment structure, in such a way that the half shells enclose the tubular component and retain the tubular component by the elastic damping elements. The two half shells are joined to each other by a film hinge.

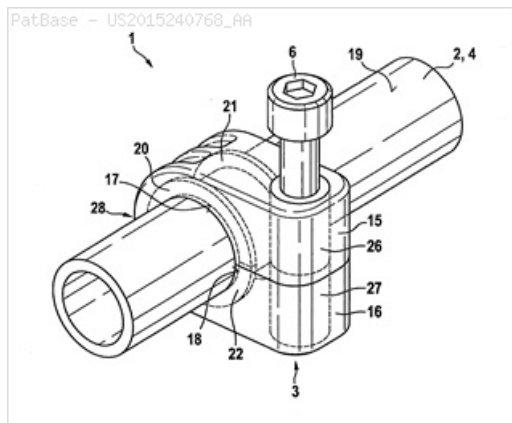
Classifications:

International (IPC 8-9): F02M55/02 F02M55/04 F16L27/10 F16L3/10 F16L3/227 F16L55/035 (Advanced/Invention)

CPC: F16L3/10 F02M55/04 F02M55/025 F16L3/1075 F02M2200/306

F16L3/1091 F16L55/035

US: 248/636



Family:

Publication number	Publication date	Application number	Application date
CN104603445 A	20150506	CN201380046740	20130717
CN104603445 B	20180515	CN201380046740	20130717

DE102012216236 A1	20140313	DE201210216236	20120913
DE502013009613 D1	20180405	DE201350009613T	20130717
EP2895731 A1	20150722	EP20130739660	20130717
EP2895731 B1	20180307	EP20130739660	20130717
ES2672105 T3	20180612	ES20130739660T	20130717
KR20150053925 A	20150519	KR20157006393	20130717
US2015240768 AA	20150827	US20130427253	20130717
US9683532 BB	20170620	US20130427253	20130717
WO14040777 A1	20140320	WO2013EP65055	20130717

Priority:

DE201210216236 20120913 EP20130739660 20130717 WO2013EP65055 20130717

Probable Assignee: ROBERT BOSCH GMBH

Assignee(s): (std): BOSCH GMBH ROBERT

Assignee(s): ROBERT BOSCH GMBH

Inventor(s): (std): REHWALD ANDREAS

Agent(s): CARVAJAL Y ISABEL; GERARD; ROBERT BOSCH GMBH

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 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 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

46) Family number: 56781262 (US2014175230A)

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Title: CONDUIT HANGER AND SUPPORT APPARATUS

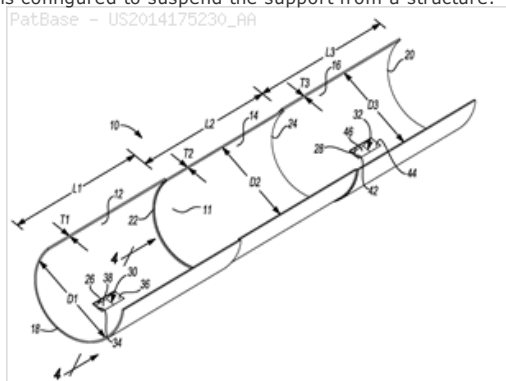
Abstract: A support assembly for supporting a conduit includes a support, a clamp, and a hanger. The support has a partial-cylindrical shape including a first section having a first diameter and a second section having a second diameter that is greater than the first diameter. In one aspect, at least one of the first section and the second section define a first aperture in the partial-cylindrical shape. In another aspect, at least one of the first section and the second section includes a retention member extending radially from an outer surface of the partial-cylindrical shape. The retention member includes a closed loop or a partially-open loop that defines a second aperture for receiving a strap to secure the conduit to the support. The clamp is configured to secure the conduit to the support. The hanger is configured to suspend the support from a structure.

Classifications:

International (IPC 8-9): F16L3/08 F16L3/26 (Advanced/Invention)

CPC: F16L3/26 F16L3/11 Y10T29/49 H02G3/263

US: 248/49 248/58 248/61 248/62 248/63 248/74.1 248/74.2 248/74.3 29/592



Family:

Publication number	Publication date	Application number	Application date
US2014175230 AA	20140626	US20130748656	20130124
US8919704 BB	20141230	US20130748656	20130124

Priority:

US20120745087P 20121221 US20130748656 20130124

Probable Assignee: A RAYMOND ET CIE

Assignee(s): (std): BURKE PAUL ; EVANGELISTA ELIO ; LEE CHARLES ; RAYMOND A AND CIE

Assignee(s): A RAYMOND ET CIE

Inventor(s): (std): BURKE PAUL ; EVANGELISTA ELIO ; LEE CHARLES

Agent(s): HARNESS DICKEY AND PIERCE PLC

47) Family number: 56972255 (US2014216808A)

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Title: AERIAL CONDUCTOR WIRE SUSPENSION CLAMP

Abstract: A clamp for suspending a conductor wire with a textured surface from a transmission tower includes a restraining sleeve, a housing, and a mounting tab. The restraining sleeve is made of upper and lower sleeve pieces that define a sleeve cavity to encase the conductor wire. The sleeve cavity has an internal gripping surface that intermeshes with the textured surface of the conductor wire to prevent slippage and rotation of the conductor wire relative to the sleeve cavity, without substantial compression of the conductor wire. The housing is made of a plurality of housing parts that define a housing cavity to encase restraining sleeve. The housing cavity is configured to permit rotation of the restraining sleeve, but restrict longitudinal movement of the restraining sleeve within the housing. The mounting tab is connected to the housing to permit direct or indirect connection of the clamp to a transmission tower.

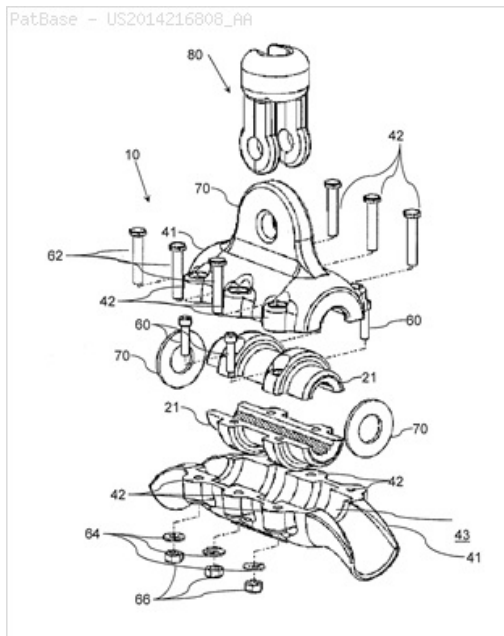
Classifications:

International (IPC 8-9): H01R11/14 H01R4/38 H02G7/05

H02G7/14 (Advanced/Invention)

CPC: H02G7/053

US: 174/40CC

**Family:**

Publication number	Publication date	Application number	Application date
CA2909910 AA	20150717	CA20142909910	20140117
EP2946451 A1	20151125	EP20140740173	20140117
EP2946451 A4	20161116	EP20140740173	20140117
US2014216808 AA	20140807	US20140158022	20140117
WO14110678 A1	20140724	WO2014CA50027	20140117

Priority:

US20130753686P 20130117 US20140158022 20140117 WO2014CA50027 20140117

Probable Assignee: DANE ROY

Assignee(s): (std): AHLISCH WALTER ; DANE ROY

Assignee(s): DANE ALLAN DECEASED

Inventor(s): (std): AHLISCH WALTER ; DANE ALLAN ; DANE ALLAN DECEASED

Agent(s): BENNETT JONES LLP; WILSON GUNN; YOO EDWARD

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

48) Family number: 54364060 (US2014346291A)

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Title: CABLE GUIDANCE SYSTEM

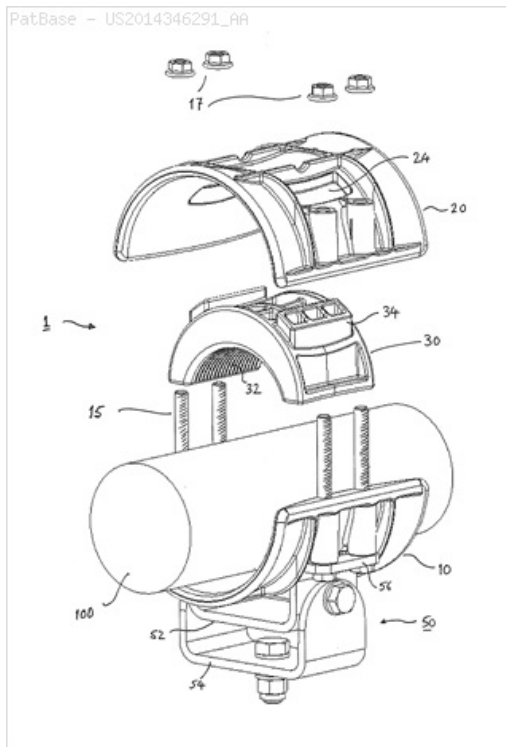
Abstract: A cable guide or cleat for a cable, comprises, in one embodiment, a pivot mounting, a base section on the mounting and an upper section that, when fastened to the base section, a cylindrical guide with clearance for a cable to be passed through the guide for installation, and an insert piece designed to be inserted when the cable is in its final position, so that the base and upper sections, clamp the cable in place. The clearance allows the cable guide to be used first without the insert, when laying the cable, facilitating the laying of the cable round bends in particular. Then, when the cable is in place, the cleat is released again and the insert put in place, so that when the cleat is fastened the cable is securely clamped. Disclosed systems obviate the need for separate temporary guides that would otherwise need storing.

Classifications:

International (IPC 8-9): F16L3/10 F16L3/16 H02G15/007 H02G3/32 H02G7/05 (Advanced/Invention)

CPC: F16L3/1091 F16L3/105 H02G15/007 H02G3/32 H02G7/053 F16L3/16 F16L3/1016

US: 1/1 248/74.4

**Family:**

Publication number	Publication date	Application number	Application date
EP2806198 A1	20141126	EP20140169500	20140522
EP2806198 B1	20180711	EP20140169500	20140522
GB201309223 A0	20130703	GB20130009223	20130522
GB2514384 A1	20141126	GB20130009223	20130522
GB2514384 B2	20171206	GB20130009223	20130522
US2014346291 AA	20141127	US20140285104	20140522
US9404605 BB	20160802	US20140285104	20140522

Priority:

GB20130009223 20130522

Probable Assignee: ELLIS PATENTS HOLDINGS LTD**Assignee(s):** (std): ELLIS PATENTS HOLDINGS LTD**Inventor(s):** (std): ANDREW BOOTH ; BOOTH ANDREW ; SHAW RICHARD ARMITAGE ; RICHARD ARMITAGE SHAW**Agent(s):** SEWELL ADRIAN DAVID; BANNER AND WITCOFF LTD**Designated states:** AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR**49) Family number: 59449334 (US2015159731A)**

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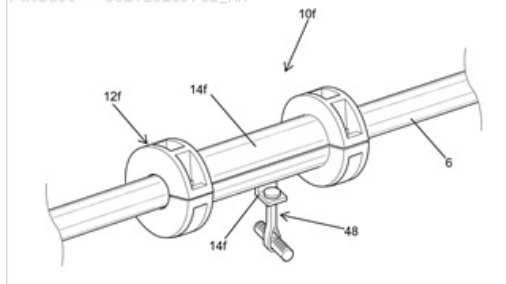
Title: AQUACULTURE BASKET CLIP AND LINE PROTECTOR

Abstract: Disclosed is a protector for a clip and line used to suspend aquaculture baskets or like equipment in water. In particular, the protector provides a sacrificial element between the clip and the line that is cheap to manufacture and easy to replace. While an application of the present invention is in oyster cultivation, it could equally well be applied to any process involving the line suspension of an article in water.

Classifications:

International (IPC 8-9): A01K61/00 A01K61/54 A01K61/55
A44B11/22 A44B11/24 F16B2/00 F16G11/02
F16G11/12 (Advanced/Invention);
F16B2/08 F16B2/20 F16G11/02 H02G7/05 (Advanced/Non-invention)
CPC: A01K61/54 F16B2/08 F16B2/20 F16G11/02 H02G7/05
Y10T24/44 A01K61/002 Y10T24/34 Y02A40/822 A44B11/22
A44B11/24 A01K61/55
US: 24/305

PatBase - US2015159731_AA

**Family:**

Publication number	Publication date	Application number	Application date
US2015159731 AA	20150611	US20130102030	20131210
US2018092437 AA	20180405	US20170793962	20171025
US9801359 BB	20171031	US20130102030	20131210

Priority:

US20130102030 20131210

US20170793962 20171025

Probable Assignee: SEAPA PTY LTD
Assignee(s): (std): SEAPA PTY LTD
Inventor(s): (std): THOMPSON GARRY
Agent(s): EAGAR AND MARTIN PTY LTD

50) Family number: 59719718 (US2018149823A)

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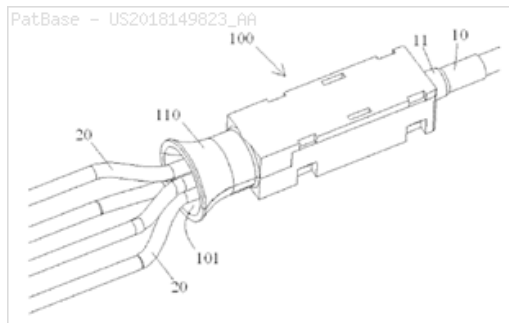
Title: OPTICAL CABLE FANOUT DEVICE

Abstract: The present invention discloses an optical cable fan-out device, used for dividing a single main optical cable into a plurality of branch optical cables. Wherein said optical cable fan-out device comprises of housing, said housing possessing a first end, and a second end opposite said first end. Said main optical cable is introduced into said housing via said first end, and said plurality of branch optical cables are led out from said second end of said housing. Wherein, a branch cable protective component is provided on the second end of said housing, said branch cable protective component possessing a trumpet shaped opening that widens gradually outwards, said plurality of branch optical cables being led out to the exterior of said housing via said trumpet shaped opening. In the present invention, when the branch optical cables are subjected to a lateral tension, the branch optical cables come into contact with the arc-shaped inner surface of the trumpet shaped opening and are uniformly stressed and smoothly bent along the arc-shaped inner surface, without excessive bending occurring; the outcome of this is that, it is possible to effectively prevent damage to the branch optical cables due to lateral tension, without increasing the cost of the optical cable fan-out device.

Classifications:

International (IPC 8-9): G02B6/44 (Advanced/Invention)

CPC: G02B6/4476 G02B6/4477 G02B6/4478 G02B6/4471 G02B6/44



Family:

Publication number	Publication date	Application number	Application date
CN204462469 U	20150708	CN201520009100U	20150107
EP3244245 A1	20171115	EP20160734905	20160105
US2018149823 AA	20180531	US20160541987	20160105
WO16110245 A1	20160714	WO2016CN070143	20160105

Priority:

CN201520009100U 20150107 WO2016CN070143 20160105

Probable Assignee: TYCO ELECTRONICS SHANGHAI CO

Assignee(s): (std): ADC TELECOMMUNICATIONS SHANGHAI DISTRIB CO LTD ; TYCO ELECTRONICS SHANGHAI CO

Assignee(s): TYCO ELECTRONICS SHANGHAI CO LTD ; ADC TELECOMMUNICATIONS SHANGHAI DISTRIBUTION CO ; ADC TELECOMMUNICATIONS SHANGHAI DISTRIBUTION CO LTD

Inventor(s): (std): CAI ZHAOHUI ; LIU YAN ; WANG ZHENGBIN ; XU DONG

Agent(s): MURGITROYD AND CO; CHINA SCIENCE PATENT AND TRADEMARK AGENT 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 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

51) Family number: 62233793 (US2016124172A)

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Title: PANEL-MOUNTABLE FIBER OPTIC CABLE FEEDTHROUGH

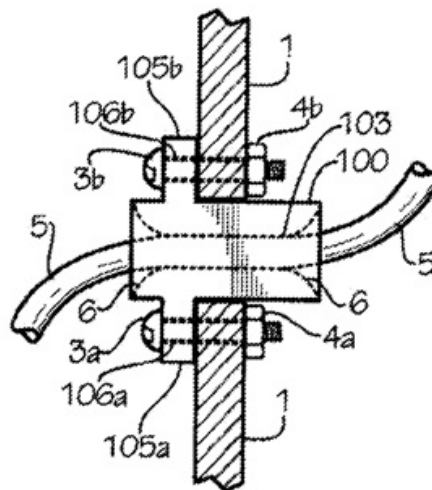
Abstract: A novel panel-mountable fiber optic cable feedthrough is described that has two main body parts that can be brought together around a fiber optic cable and secured in place to prevent slippage of the cable. Use of two such main body parts that split along a plane that passes through the axis of the fiber optic cable allows joining the two main parts at any position along the cable without the need to thread the cable through a pre-formed cylindrical cavity in the body of the feedthrough. The main parts for this fiber optic feedthrough can be made by plastic injection molding suitably shaped to relieve bending strain in the glass optical fiber(s) within the cable. The foot-print for mounting such a feedthrough can be made compatible with that of a number of popular fiber optic connector mounts, including the SC-connector.

Classifications:

International (IPC 8-9): G02B6/00 G02B6/44 (Advanced/Invention)

CPC: G02B6/4459 G02B6/4477

US: 385/136

**Family:**

Publication number	Publication date	Application number	Application date
US2016124172 AA	20160505	US20150929703	20151102
US2017269319 AA	20170921	US20170582634	20170429
US9696512 BB	20170704	US20150929703	20151102

Priority:

US20140122971P 20141103 US20150929703 20151102 US20170582634 20170429

Probable Assignee:

M2 OPTICS INC

Assignee(s): (std):

M2 OPTICS INC ; MILLER GARY EVAN

Inventor(s): (std):

MILLER GARY EVAN

Agent(s):

DOUGLAS A

52) Family number: 64532740 (USD775519S)

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Title: CLAMP

Abstract: [Source: Claim 1] The ornamental design for a clamp, as shown and described.

Classifications:

US: D8/396

Locarno class: 08/08

PatBase - USD775519_S1

**Family:**

Publication number	Publication date	Application number	Application date
USD775519 S1	20170103	US20150521664F	20150325

Priority:

US20150521664F 20150325

Probable Assignee:

CIRO LLC

Assignee(s): (std):

CIRO LLC

Inventor(s): (std):

MAY DARRON BRADLEY

Agent(s):

DICKE BILLIG AND CZAJA PLLC

53) Family number: 64615599 (US9541108B)

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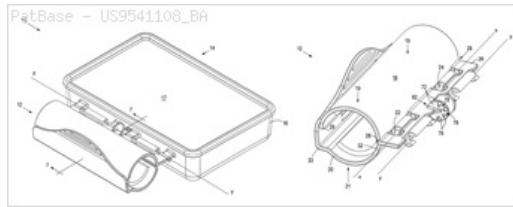
Title: ANCHOR SYSTEM FOR SECURING ATTACHMENTS TO HANDLES

Abstract: The present invention is an apparatus for installing attachments on handles. The invention includes first and second pieces with curved sections that form a generally cylindrical volume around the handle. The first and second pieces are rotatably connected about a hinge axis and may be moved to and from a locked position around handle. A flap having a toothed surface is connected to an end of the second piece, and a tooth extending from an end of the first piece can engage the toothed surface to inhibit inadvertent release of the apparatus from the handle.

Classifications:

International (IPC 8-9): B62B3/14 F16B2/10 (Advanced/Invention)

CPC: F16B2/10 B62B3/1468 B62B2203/44 B62B3/146



Family:

Publication number	Publication date	Application number	Application date
US9541108 BA	20170110	US20140549136	20141120

Priority:

US20130907261P 20131121 US20140549136 20141120

Probable Assignee: PENROD JULIE BETH

Assignee(s): (std): PENROD JULIE BETH

Inventor(s): (std): PENROD JULIE BETH ; TAGTOW DANIEL

54) Family number: 65874903 (CN106786289A)

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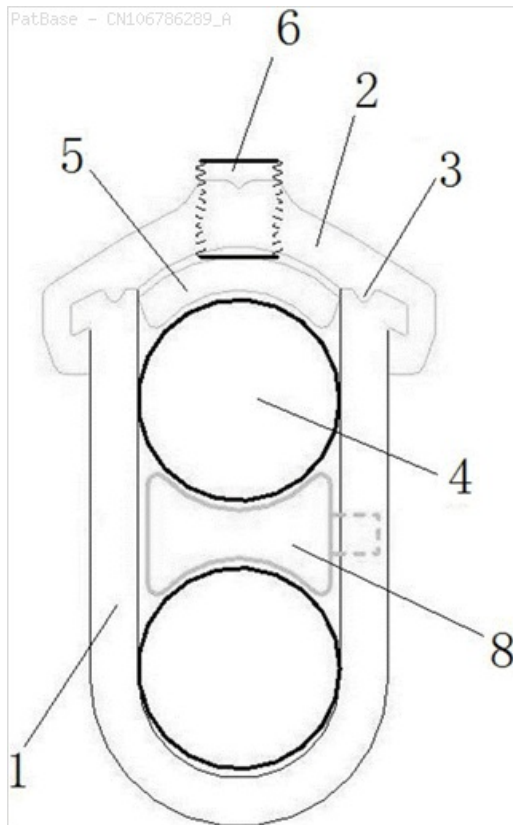
Title: MULTI-FUNCTIONAL WIRE CLAMP DEVICE SIMPLE TO ASSEMBLE

Abstract: The invention relates to a multi-functional wire clamp device simple to assemble. The multi-functional wire clamp device comprises a wire clamp main shell and a cover plate, wherein the cover plate covers the wire clamp main shell, an edge of the cover plate is buckled with an outer edge of the wire clamp main shell, a matched positioning structure is also arranged at a position, corresponding to the wire clamp main body, of the cover plate, and the positioning structure comprises a wedge-shaped groove and a wedge-shaped block which are matched for positioning; the wire clamp main shell is of a U-shape structure, a press block and an adjustment assembly are arranged in the wire clamp main shell, the press block is used for pressing a wire, and the adjustment assembly is used for adjusting a press force of the press block; and the wire clamp main shell is of an X-shaped structure and comprises two round cavities, the two round cavities are used for accommodating the wire, and a press block is arranged in each round cavity and is used for pressing the wire. By the multi-functional wire clamp device, the wire clamp production and assembly difficulty is reduced, and the strength and the stability of the wire clamp integral structure are improved; and by designing a part and the adjustment assembly, wire locking and power taking of various specifications of wires can be simultaneously met, the universality of the multi-functional wire clamp device is improved, the fastening degree of the wire can also be improved, and the multi-functional wire clamp device is simple and convenient to operate.

Classifications:

International (IPC 8-9): H02G7/05 (Advanced/Invention)

CPC: H02G7/05



Family:

Publication number	Publication date	Application number	Application date
CN106786289 A	20170531	CN201611205744	20161223

Priority:

CN201611205744 20161223

Probable Assignee: LU JIATONG

Assignee(s): (std): LU JIATONG

Assignee(s): LU JIA TONG

Inventor(s): (std): LU JIATONG

Title: TANDEM TRUNNION CLAMP

Abstract: A cable support device includes a body having a first bracket and a cap having a first hinge. The cable support device further includes a transition piece disposed between the body and the cap. The transition piece includes an integrally formed body portion and oppositely-facing cap portion. The body portion has an inner surface defining a body portion groove extending longitudinally from a first end to an opposite end of the body portion. The body portion further includes a second bracket. The cap portion has an inner surface defining a cap portion groove extending longitudinally from a first end to an opposite end of the cap portion. The cap portion further includes a second hinge.

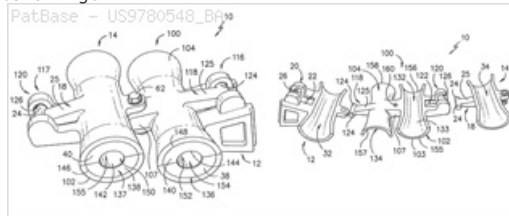
Classifications:

International (IPC 8-9): F16L3/10 F16L3/22 G02B6/44

H02G7/05 (Advanced/Invention);

G02B6/44 (Advanced/Non-invention)

CPC: H02G7/053 F16L3/1075 F16L3/222 H02G7/05 G02B6/4471



Family:

Publication number	Publication date	Application number	Application date
US9780548 BA	20171003	US20160235747	20160812
WO18031208 A1	20180215	WO2017US42751	20170719

Priority:

US20160235747 20160812

Probable Assignee: AFL TELECOMMUNICATIONS LLC

Assignee(s): (std): AFL TELECOMMUNICATIONS LLC

Inventor(s): (std): KRANZ STEVEN ; KRANZ STEVEN EDWARD

Agent(s): DORITY AND MANNING PA; HUYCKE THOMAS D

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 JO 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

Title: MODULAR DEVICE FOR SECURING CABLES TO POSTS, COMPRISING HOLES IN THE SURFACE FOR SUPPORTING CABLES OF DIFFERENT DIAMETERS

Abstract: The invention relates to a modular device for securing cables to posts, wherein the device can be combined with other securing elements and can thereby increase the quantity of cables that can pass through a specific point in the post, without increasing the operating costs paid to the operator or distributor of the posts, given that there is a single point of contact with the post, but a number of support elements coupled to one another in a suitable manner. In addition, the device has an upper cover and a lower cover, which are joined at the back by a system of tabs on the upper cover which are inserted in grooves in the lower cover, and wherein said covers are closed by means of a screw located in the front part. The device also has a series of holes that permit the use of screws to couple various devices in different positions, and thereby permit the passage of multiple cables with a single point of contact with the post.

Classifications:

International (IPC 8-9): F16L3/22 H02G3/30 H02G7/05

H02G7/20 (Advanced/Invention);

G02B6/48 (Advanced/Non-invention)

CPC: F16L3/22 G02B6/48 H02G3/30 H02G7/05 H02G7/20

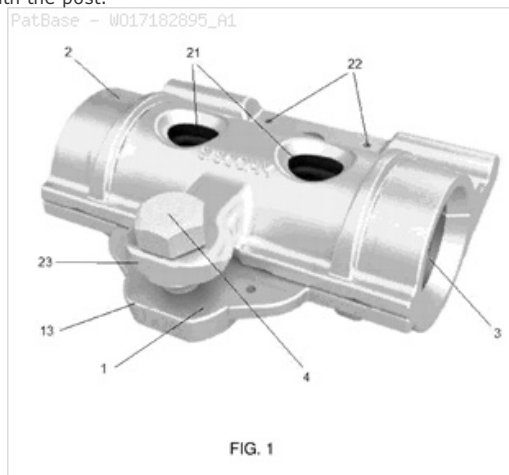


FIG. 1

Family:

Publication number	Publication date	Application number	Application date
WO17182895 A1	20171026	WO2017IB51579	20170317

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CO20160102921 20160422

Probable Assignee: SISCOAX S A S

Assignee(s): (std): SISCOAX S A S

Assignee(s): SISCOAX SAS

Inventor(s): (std): RIOS OSSA CESAR AUGUSTO

Agent(s): MARQUEZ ACOSTA ANDRES

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