

1) Family number: 58964027 (KR20150001391U)

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Title: ASSAMBLE REEL STAND FOR CABLE DRUM

Abstract: Source: KR20150001391U **Machine translation:** In the cable assembly cable drum for drum-type reel stand to support: a pipe that is inserted inside the ribs and supporting the cable drum; Provided with a bridge for supporting the cable to the reel drum and being connected to the pipe via a clamp stand; AndExtending to the upper end of the reel stand is provided with a pin height adjustment unit coupled to the interior of the pipe; by providing a composition including,As described above, according to the built-up reel stand for cable drum according to the subject innovation, is that the ribs are inserted to prevent musculoskeletal disorders due to the operator's legs with feet made of aluminum having a weight above a certain strength and pipes and light weight The effect can be achieved.

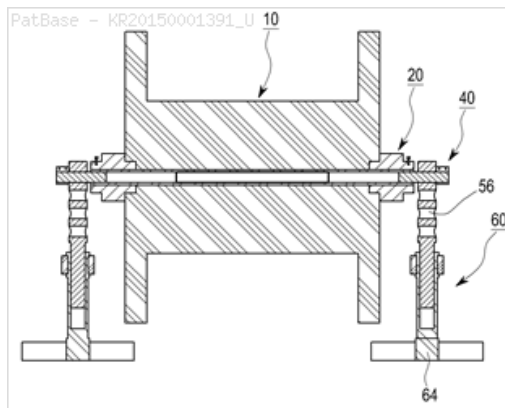
Classifications:

International (IPC 8-9): B65H75/34 B65H75/42

B65H75/44 (Advanced/Invention)

CPC: B65H49/20 B65H2402/31 B65H2601/52 B65H2701/34

H02G11/02



Family:

Publication number	Publication date	Application number	Application date
KR20150001391 U	20150409	KR20130008081U	20130930

Priority:

KR20130008081U 20130930

Probable Assignee: DAEWOO SHIPBUILDING AND MARINE ENGINEERING CO LTD

Assignee(s): (std): DAEWOO SHIPBUILDING AND MARINE ENGINEERING CO LTD

2) Family number: 11624052 (EP0791552A1)

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Title: Reel for unwinding coils of tubes, profiles or the like, in particular made from plastic material

Abstract: The reel has a number of intermediate walls (6) fitted to the drum (2) of the reel. There are at least two intermediate walls, providing space on the reel for at least three annular winding areas to hold tube or cable. One outer wall of the reel is fixed to the cylindrical drum, and the other (4) can be removed. The intermediate walls (6) are annular rings that are fixed in place by radial rods (16) through holes in the bottom of the cable support drum. These rods can be clamped (17,B) to a cylinder (7) inside the cable support drum.

Classifications:

International (IPC 8-9): B65H75/14 (Advanced/Invention)

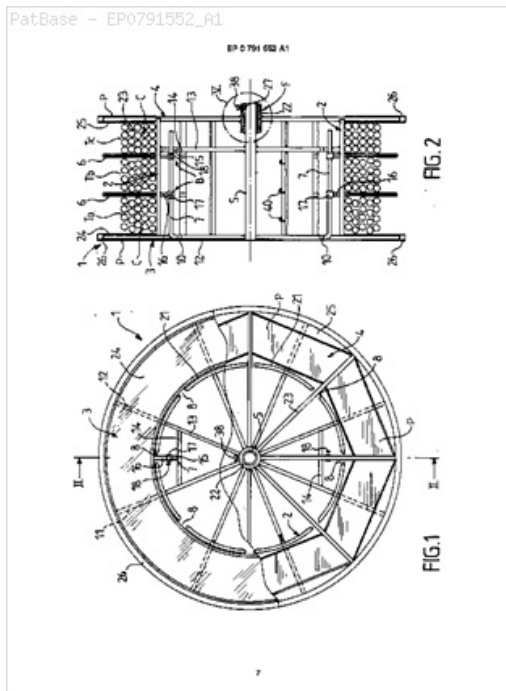
International (IPC 1-7): B65H75/14 B65H75/22 B65H75/34

H02G11/02 H02G9/00

CPC: B65H75/146 B65H75/22 B65H2701/5122

European: B65H75/04 B65H75/14E B65H75/22 L65H701/5122

L65H750/122

**Family:**

Publication number	Publication date	Application number	Application date
DE69700711 D1	19991209	DE19976000711	19970121
DE69700711 T2	20000621	DE19976000711T	19970121
EP0791552 A1	19970827	EP19970400115	19970121
EP0791552 B1	19991103	EP19970400115	19970121
ES2140949 T3	20000301	ES19970400115T	19970121
FR2744710 A1	19970814	FR19960001727	19960213
FR2744710 B1	19980522	FR19960001727	19960213

Priority:

FR19960001727 19960213

Probable Assignee: ALPHACAN SA**Assignee(s):** (std): ALPHACAN LA CELLE SAINT CLOUD ; ALPHACAN SA**Assignee(s):** ALPHACAN**Inventor(s):** (std): DELESPAUL OLIVIER ; FINDELING OLIVIER ; JOLIVET CHRISTIAN**Designated states:** BE CH DE ES FR GB GR IT LI LU NL PT**3) Family number: 1503087 (DD126121B)**

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Title: LEITUNGSGEHANGE FUER NIEDRIGE EINBAUVERHALTNISSE ZWISCHEN ZUEINANDER DREHBAREN EBENEN
LEITUNGSGEHANGE FOR LOW LEVELS EINBAUVERHALTNISSE BETWEEN EACH OTHER TURNABLE (Machine translation)

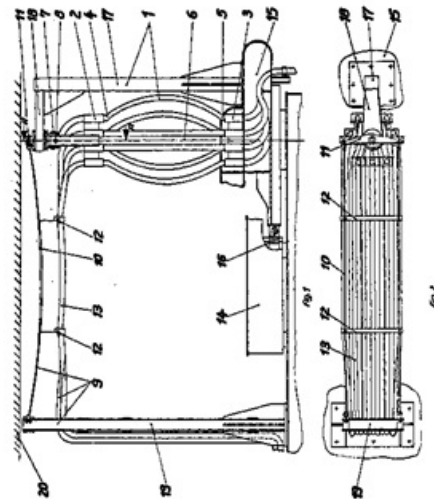
Abstract: Source: DD126121B [DE] [Source: Claim 1] Erfindungsanspruch Leitungsgehaenge fuer extrem niedrige Einbauverhaeltnis- se zwischen zwei relativ zueinander drehbaren, paral- 5 leien Ebenen, an denen bzw, zwischen denen Klemmvor- richtungen angeordnet sind, insbesondere an Tagebau- grossgeraeten, dadurch gekennzeichnet, dass mindestens die zwischen den Ebenen angeordnete Klemmvorrichtung (2) der zueinander um eine Hauptdrehachse (6) drehen- 10 den Leitungsenden (4;5) des Leitungsgehaenges (1) raeum- lich beweglich, vorzugsweise mittels kardanischer Ge- lenke (7;8) gelagert und/oder aufgehängt ist/sind und die Brueckenleitungen (13) vorzugsweise oberhalb der oberen Klemmvorrichtung (2) in Form einer elastisch 15 verspannten Leitungsbruecke (9) an Seilen (10) mittels Traversen (11;12) in Richtung einer zur Hausdrehachse (6) annaehernd rechtwinklig liegenden zweiten Achse (21) aufgehängt sind. Hierauf...Seiten Zeichnungen

Machine translation: [Source: claim 1] Invention claim cable hanger for extremely low installation ratio se between two rotating relative to one another, possible 5 leien levels, on which or between which terminals before directions are arranged in open cast mining large equipment, characterized that at least the between the layers to each other turning arranged clamp (2) the to a main axis (6) 10 the wire ends (4; 5) of the cable suspension mechanism (1) installation including mobile, preferably using the gimbal health draw (7; 8) mounted or suspended is / are and the bridge cables (13) preferably above the upper clamp () (2) in the form of an elastic 15 tense line Bridge (9) ropes (10) by means of cross-bars (11; 12) in the direction of this nearly perpendicular to the Hausdrehachse (6) second axle (21) are suspended. This... Pages drawings

Classifications:

International (IPC 8-9): B65H75/36 (Advanced/Invention);
B65H75/34 (Core/Invention)

International (IPC 1-7): B65H75/36

**Family:**

Publication number	Publication date	Application number	Application date
DD126121 B1	19810225	DD19750190599	19751229
DD126121 Z	19770622	DD19750190599	19751229

Priority:

DD19750190599 19751229

Probable Assignee:

LEUSCHNER FELIX

Assignee(s): (std):

LEUSCHNER FELIX ; NOWAK JOSEF

Inventor(s): (std):

LEUSCHNER FELIX ; NOWAK JOSEF

4) Family number: 44914272 (CN101692554A)

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Title: CABLE GUIDER

Abstract: The invention relates to a cable guider, which comprises a main roller (1) of which the moving direction is in accordance with a cable, side rollers (2) vertically arranged at two sides and a main frame body used for supporting the main roller (1) and the side rollers (2). The main frame body comprises clamping units arranged at two sides of the lower part respectively, wherein each clamping unit comprises a supporting claw (5) with a transverse concave opening; a claw body at the lower half part of the supporting claw (5) is provided with a vertical bolt hole in which a bolt (3) is arranged; the bottom of the bolt (3) is vertically and axially perforated and is penetrated by a handle (4); and flying rings (6) are fixed on the main frame body at the top ends of the side rollers (2). The cable guider of the invention is particularly suitable to be used in ship building and repairing processes, facilitates the drawing, releasing, paving, mounting and detaching of ship cables, can prevent edges of a cable bridge frame from damaging an electric cable or a cable during winding and releasing, simultaneously reduces the drawing difficulty, relieves the labor intensity of construction personnel, and achieves the aim of improving the work efficiency.

Classifications:

International (IPC 8-9): B65H75/34 H02G1/06 (Advanced/Invention);
B65H75/34 H02G1/06 (Core/Invention)

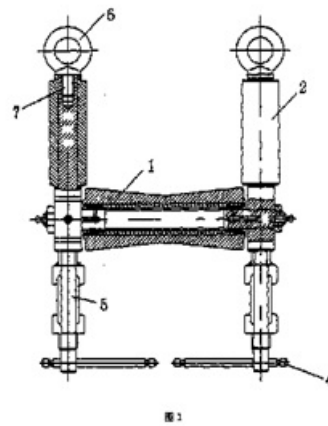


图 1

Family:

Publication number	Publication date	Application number	Application date
CN101692554 A	20100407	CN200910187749	20090929
CN101692554 B	20130501	CN200910187749	20090929

Priority:

CN200910187749 20090929

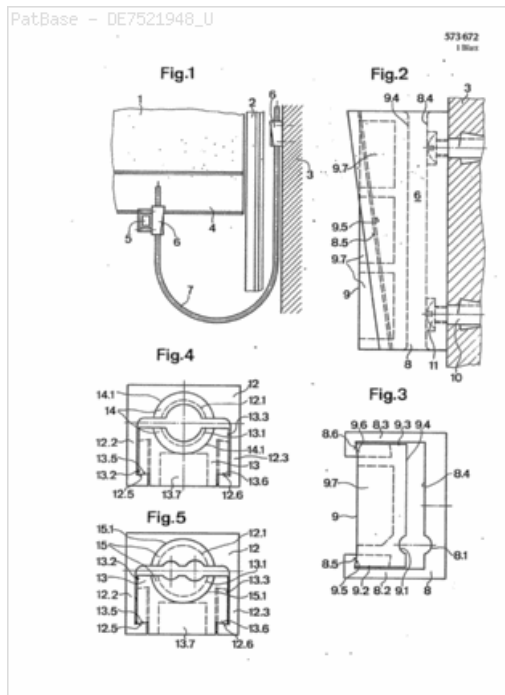
Probable Assignee: DALIAN SHIPBUILDING IND**Assignee(s):** (std): DALIAN SHIPBUILDING IND ; DALIAN SHIPBUILDING IND C ; DALIAN SHIPBUILDING IND CO LTD ; DALIAN SHIPBUILDING INDUSTRY C**Assignee(s):** DALIAN SHIPBUILDING INDUSTRY CO ; DALIAN SHIPBUILDING IND CO**Inventor(s):** (std): HUANG YANFENG ; LIU TIANZHUO ; LIU ZHAOBIN ; TIANZHUO LIU ; YANFENG HUANG ; YANG YUBO ; YUBO YANG ; ZHAOBIN LIU**5) Family number: 17980378 (DE7521948U)**

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Abstract: Source: DE7521948U [DE] (Claim 1) 1. Kabelbride, insbesondere fuer haengende, bewegbare elektri- sche Kabel in Aufzugsschoechten, d gekennzeichnet, dass die Kabelbride (6) aus einem auf eine Unterlage fest montierbaren u- foermigen Fthrungsteil (8,12) und einem im Fuehrungsteil (8,12) gefuehrten Klemmstueck (9, 13) besteht, wobei an den Innenseiten der beiden U-Schenkel (8.2, 8.3 bzw. 12.2, 12.3) des Fuehrungsteiles (8,12) je eine spitz- winklig zur Klemmflaeche (8.4) bzw. zur Kabelnut (12.1) des Fuehrungsteiles (8,12) verlaufende Keilfuehrungsbahn (8.5, 8.6 bzw. 12.5, 12.6) vorhanden ist und das Klemm- stueck (9,13) zwei mit den Keilfuehrungsbahnen (8. 5, 8. 6 bzw. 12.5, 12.6) zusammenwirkende Keilflaechen (9.5, 9.6 bzw. 13.5, 13. 6) aufweist.

Machine translation: (Claim 1) 1 Cable Bride, especially for hanging, movable elec-trical cable in elevator Scholars genuine, d indicated that the cable Bride (6) from one to a support fixed-mount u-shaped Fthrungsteil (8.12) and one in Fuehrungsteil (8.12) guided CLAMPING_PIECE (9, 13), wherein the inner sides of the two U-legs (8.2, 8.3 or 12.2, 12.3) of Fuehrungsteiles (8.12) one acute angle to the Klemmflaeche (8.4) or the cable groove (12.1) Fuehrungsteiles of (8.12) running Keilfuehrungsbahn (8.5, 8.6 and 12.5 12.6) is present and the clamping piece (9.13) with the two Keilfuehrungsbahnen (8 5 8, 6 and 12.5, 12.6) interacting Keilflaechen (9.5, 9.6 or 13.5, 13th 6).

Classifications:**International (IPC 8-9):** B65H75/34 (Advanced/Invention); B65H75/34 (Core/Invention)**International (IPC 1-7):** B65H75/34

**Family:**

Publication number	Publication date	Application number	Application date
DE7521948 U	19751106	DE19750221948U	19750710

Probable Assignee:

INVENTIO AG

Assignee(s):

INVENTIO AG

6) Family number: 1382395 (DE2508581A1)

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Title: SUPPORT BOOM FOR UNDERWATER RESEARCH VESSEL - WITH CABLE DRUMS AND SWINGING ACTION TO BRING VESSEL ON BOARD

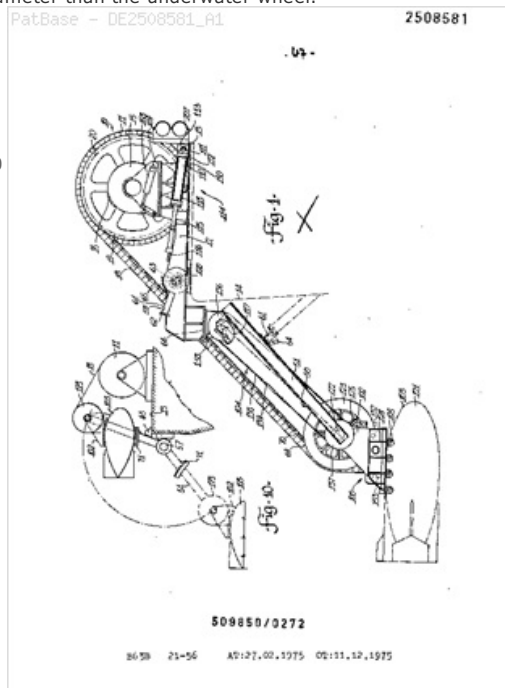
Abstract: The rear of the oceanographic survey vessel is fitted with parallel booms which are swung outwards over the stern about a horizontal axis. The end of the boom has cable guide wheels which guide the cable connection to the underwater research vessel while it is being towed. The boom is mounted on elastic supports to accommodate variations in the tow tension and towing direction. When the vessel is hauled in it is clamped to the end of the boom on pivoted clamps so that it can be swung onto the deck. The deck winding wheel has a larger diameter than the underwater wheel.

Classifications:**International (IPC 8-9):** B63B21/56 B63B21/66 B63B27/16

B63G8/42 B65H75/34 B66D1/50 (Advanced/Invention);

B63B21/56 B63B27/00 B63G8/00 B65H75/34

B66D1/28 (Core/Invention)

International (IPC 1-7): B63B21/56 B63G8/42 B65H75/34 B66D1/50**CPC:** B63B21/663 B63B27/36 B63G8/42 B65H75/34 B66D1/50**European:** B63B21/66B B63B27/36 B63G8/42 B65H75/34 B66D1/50**Family:**

Publication number	Publication date	Application number	Application date
CA1005702 A1	19770222	CA19740200949	19740527
CA1010308 A1	19770517	CA19760251345	19760428
CA1010308 A2	19770517	CA19760251345	19760428
DE2508581 A1	19751211	DE19752508581	19750227

Priority:

CA19740200949 19740527

CA19760251345 19760428

Probable Assignee:

RONYX CORP LTD

Assignee(s): (std):

RONYX CORP ; RONYX CORP LTD

Assignee(s):

KEMENY ALFRED F

Inventor(s): (std):

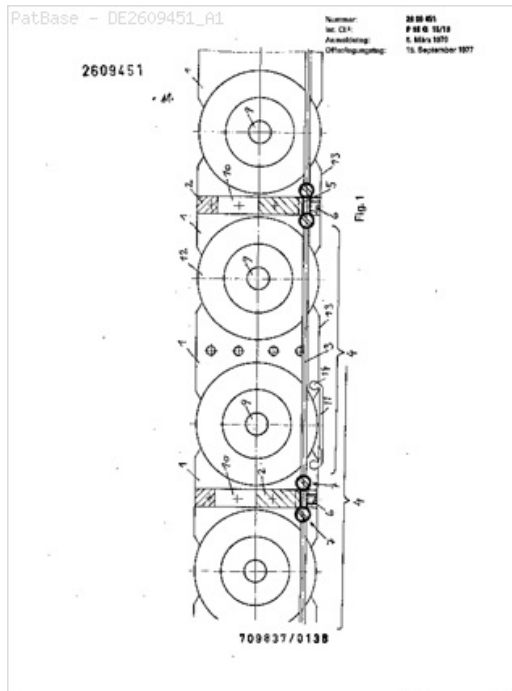
KEMENY ALFRED F

7) Family number: 1660544 (DE2609451A1)

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Title: GUIDING CHAIN FOR CABLES OR FLEXIBLE PIPES - HAS SECONDARY CABLE TO PREVENT LATERAL DEFLECTION OF MAIN CABLES

Abstract: The guiding chain for cables or flexible pipes consists of two parallel chains built up from links (1) and pins (9). The chains are joined together by transverse struts (2) attached to the inner faces of the links (1). Each link is provided with two holes (10) in which two parallel cables are supported. To prevent sideways deflection of these main cables between the struts (2), a secondary cable (3) is provided. This secondary cable (3) passes through holes in the middle of the strut (2) and near its lower edge. The secondary cable is retained by a grip screw (6) in the under edge of the strut (2) and by screw clamps (7) on each side of the strut.

Classifications:**International (IPC 8-9):** F16G13/16 (Advanced/Invention); F16G13/00 (Core/Invention)**International (IPC 1-7):** B65H75/34 F16G13/16**CPC:** F16G13/16**European:** F16G13/16**Family:**

Publication number	Publication date	Application number	Application date
DE2609451 A1	19770915	DE19762609451	19760306
DE2609451 B2	19790201	DE19762609451	19760306

Priority:

DE19762609451 19760306

Probable Assignee:

SAKANEK ERNST

Assignee(s): (std):

SAKANEK ERNST

Assignee(s):

SAKANEK ERNST 4050 MOENCHENGLADBACH

Inventor(s): (std):

SAKANEK ERNST

Inventor(s):

SAKANEK ERNST 4050 MOENCHENGLADBACH

8) Family number: 43722786 (US2009232594A)

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Title: CABLE AND CONNECTOR ASSEMBLY APPARATUS AND METHOD OF USE

Abstract: A cable assembly apparatus for coupling a connector to a cable having a base supporting an interface pedestal dimensioned to receive the connector; an inductor coil coupled to an inductor coil actuator operable to move the inductor coil between a load position and an operation position proximate the interface pedestal; a grip clamp operable by a clamp actuator to move between an open position and a closed position above the interface pedestal; and a temperature sensor configured to read a temperature proximate the interface pedestal. A method for using the apparatus retains the pre-assembled connector and cable in an aligned orientation for controlled heating by the induction heater to heat a solder preform to solder the connector to an outer conductor of the cable.

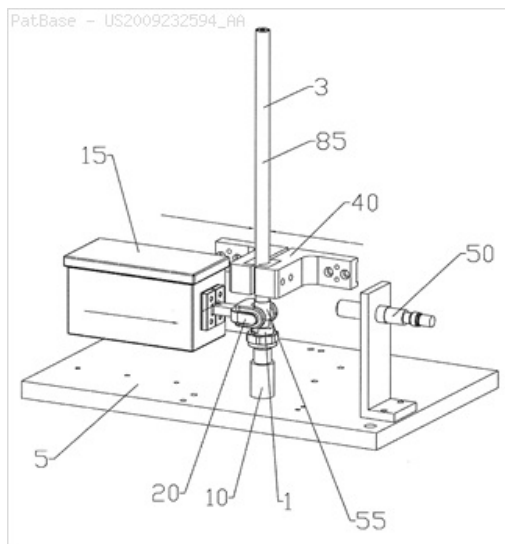
Classifications:**International (IPC 8-9):** B23K1/00 B23K1/002 B23P19/00 F16D1/00 H01B13/20 H01R13/646 H01R4/02 H01R43/00 H01R43/02 H01R9/05 H05K13/04 (Advanced/Invention);

B23K101/38 (Advanced/Non-invention);

B23K1/00 B23K1/002 F16D1/00 H01B13/06 H01R43/00 H01R43/02 H01R9/05 (Core/Invention)

International (IPC 1-7): H01R13/646**CPC:** Y10T29/49123 Y10T29/49126 Y10T29/49169 Y10T29/49174

Y10T29/49179 Y10T29/49204 Y10T29/53039 Y10T29/5313
Y10T29/53213 Y10T29/53265 Y10T29/53383 Y10T403/7015
H01R9/05 H01R4/024 H01R43/0207
European: H01R43/02B H01R9/05 T01R4/02D2
US: 29/709 29/729 29/748 29/760 29/787 29/828 29/828S 29/830
29/854 29/857 29/860 29/860P 29/874 403/353 403/353P 439/578
439/578S



Family:

Publication number	Publication date	Application number	Application date
BRPI0900391 A2	20120502	BR2009PI00391	20090310
CA2657701 AA	20090912	CA20092657701	20090310
CN101533984 A	20090916	CN200910126231	20090309
CN101533984 B	20130213	CN200910126231	20090309
DE602009033616 D1	20151029	DE200960033616T	20090203
EP2101377 A1	20090916	EP20090001432	20090203
EP2101377 B1	20150916	EP20090001432	20090203
IN02921DE2008 A	20090918	IN2008DE02921	20081223
IN292491 B	20180209	IN2008DE02921	20081223
JP2009214180 A2	20090924	JP20090054521	20090309
JP5426196 B2	20140226	JP20090054521	20090309
KR20090097778 A	20090916	KR20090008890	20090204
US2009232594 AA	20090917	US20080046814	20080312
US2011113626 AA	20110519	US20110015629	20110128
US7900344 BB	20110308	US20080046814	20080312
US8234783 BB	20120807	US20110015629	20110128

Priority:

US20080046814 20080312 EP20090001432 20090203 US20110015629 20110128

Probable Assignee: COMMSCOPE TECHNOLOGIES LLC

Assignee(s): (std): GUDGEL RICH ; NG RAYMOND H ; QUINLAN MIKE ; DAVIS JAMES B ; CARLOCK JIM ; COMMSCOPE TECHNOLOGIES LLC ; ANDREW LLC ; COMMSCOPE INC

Assignee(s): JPMORGAN CHASE BANK NA COLLATERAL AGENT AS ; ALLEN TELECOM LLC ; ANDREW LLC (F K A ANDREW CORPORATION) ; ANDREW LLC F K A ANDREW CORP ; ANDREW LLC F K A ANDREW CORPORATION ; BANK OF AMERICA NA ; COMMSCOPE INC OF NORTH CAROLINA ; WILMINGTON TRUST NATIONAL ASSOCIATION COLLATERAL AGENT AS ; COMMSCOPE TECHNOLOGIES LLC HICKORY ; REDWOOD SYSTEMS INC

Inventor(s): (std): RAYMOND H NG ; RICH GUDGEL ; QUINLAN MIKE ; NG RAYMOND H ; MIKE QUINLAN ; JIM CARLOCK ; GUDGEL RICH ; DAVIS JAMES B ; CARLOCK JIM ; JAMES B DAVIS

Inventor(s): NG RAYMOND H BURR RIDGE ; QUINLAN MIKE TINLEY PARK ; CARLOCK JIM HOMER GLEN ; DAVIS JAMES B ORLAND PARK ; GUDGEL RICH ROMEOVILLE

Agent(s): GEITZ TRUCKENMUELLER LUCHT PATENTANWALTE; GEITZ TRUCKENMUELLER LUCHT; ITO TAKAMI; ONO SHINJIRO; SHAMOTO ICHIO; KOBAYASHI YASUSHI; TOMITA HIROYUKI; CHIBA AKIO; BABCOCK IP PLLC

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

9) Family number: 14982797 (US6199579B)

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Title: HOSE HANDLING SYSTEM AND METHOD

Abstract: A system and method for handling a hose, according to which the hose is clamped to a clamp and the clamp is moved between a first position in which the hose is retracted and a second position in which the hose is extended. Manual movement of the hose from its retracted position is sensed and the clamp is driven to its second position, and manual movement of the hose from its extended position is sensed and the clamp is driven to its first position.

Classifications:

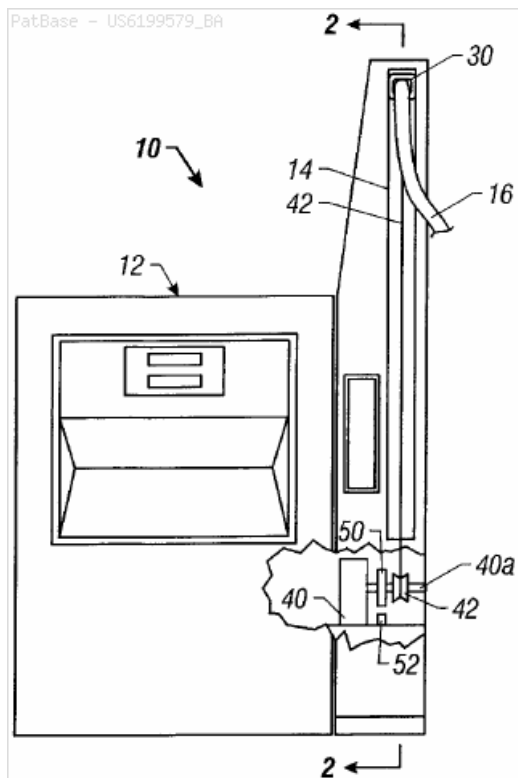
International (IPC 8-9): B67D7/40 (Advanced/Invention); B67D7/38 (Core/Invention)

International (IPC 1-7): B65H75/34 B67D5/365

CPC: Y10T137/694 Y10T137/6943 Y10T137/6947 Y10T137/6951 B67D7/40

European: B67D7/40

US: 137/355.22 137/355.23 137/355.24 137/355.25 212/47.5 212/475



Family:

Publication number	Publication date	Application number	Application date
US6199579 BA	20010313	US20000546751	20000411
WO0061490 A1	20001019	WO2000US09757	20000413

Priority:

US19990129148P 19990414 US20000546751 20000411

Probable Assignee: WAYNE FUELING SYSTEMS LLC

Assignee(s): (std): DRESSER EQUIPMENT GROUP INC

Assignee(s): DRESSER HOLDINGS INC ; MORGAN STANLEY AND CO INC ; DRESSER INC ; DRESSER RE INC ; DRESSER INT ; DRESSER RUSSIA INC ; LVF HOLDING CORP ; RING O VALVE INC ; LEHMAN COMMERCIAL PAPER INC ; DRESSER INT INC ; DRESSER INTERMEDIATE HOLDINGS INC ; LEHMAN COMMERCIAL PAPER INC COLLATERAL AGENT AS ; DRESSER INC A DELAWARE CORP ; DRESSER INC (A DELAWARE CORPORATION) ; DRESSER INC A DELAWARE CORPORATION ; WAYNE FUELING SYSTEMS LLC ; CITIBANK NA COLLATERAL AGENT AS ; CRFRC D MERGER SUB INC ; DEG ACQUISITIONS LLC ; DRESSER CHINA INC ; DRESSER ENTECH INC

Inventor(s): (std): FLEMING JR ORVILLE N ; FLEMING ORVILLE N JR ; TAYLOR KEN W

Inventor(s): FLEMING ORVILLE N

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

10) Family number: 44143979 (CH698939B)

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Title: DEVICE FOR WINDING PULLING ELEMENT, PARTICULARLY ROPE, BAND OR CHAIN, HAS ROPE ROLL SUPPORTED IN OPEN OR CLOSED HOUSING

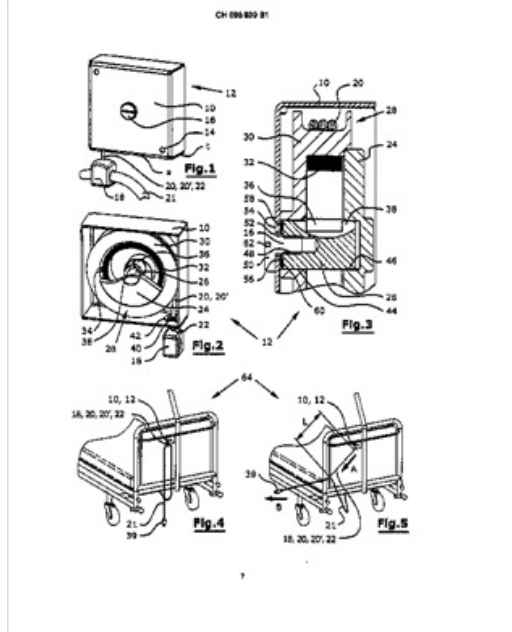
Abstract: The winding device (12) has a rope roll supported in an open or closed housing (10). The pulling elements (20,20') wind fully partly by the pulling force of a spring, particularly a spiral spring, a pull-spring or an elastic band. A flexible cable (21), which is not connected with a supply connection for energy-, signal-, gas- or fluid supply, is fastened to the pulling elements with or without a fastening unit (18).

Classifications:

International (IPC 8-9): A61G7/05 B65H75/34 (Advanced/Invention); A61G7/05 B65H75/34 (Core/Invention)

CPC: A61G7/05 B65H75/36 H02G11/02

European: B65H75/36 H02G11/02 K61G7/05

**Family:**

Publication number	Publication date	Application number	Application date
CH698939 B1	20091215	CH20060000099	20060123

Priority:

CH20060000099 20060123

Probable Assignee:

SINOGOWITZ NIKO

Assignee(s): (std):

SINOGOWITZ NIKO

Assignee(s):

NIKO SINOGOWITZ

Inventor(s): (std):

SINOGOWITZ NIKO

Inventor(s):

NIKO SINOGOWITZ