

Search history

Search 1: FT=(subsea and pig* and pressure* and launch) (Results 210)
 Search 2: FT=(hose and terminal and ring) (Results 18339)
 Search 3: FT=(hose and terminal and ring and high 1w pressure) (Results 3186)
 Search 4: FT=(hose and terminal and ring and high 1w pressure and dredge) (Results 7)
 Search 5: FT=(hose and terminal and ring and high 1w pressure) and IC=(f16l) (Results 454)

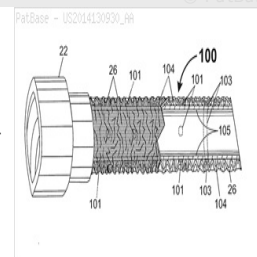
1) Family number: 56436572 (US2014130930A)

ELASTIC AND SPRING BIASED RETRACTABLE HOSES

Abstract: Source: US2014130930A An extendable and retractable **pressure hose** can be constructed comprising an input connector, an output connector, an elastic inner hose, an outer cover, and one or more portions of the elastic inner hose engaged with the outer cover and disposed between the first and second ends of the hose. In such a hose, the input connector and output connector can be connected to each end of elastic inner hose and outer cover.

Probable Assignee: RAGNER TECHNOLOGY CORP

Earliest Publication Date: 20140515



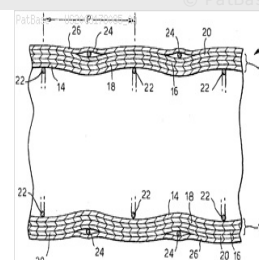
2) Family number: 14601654 (US2003178085A)

HOSE

Abstract: Source: US2003178085A A hose (10) comprising a tubular body (12) of flexible material arranged between an inner and an outer helically wound wire (22, 24). The hose (10) further comprises an axial strengthening means (20) adapted to reduce deformation of the tubular body (12) when the tubular body (12) is subjected to axial tension, the axial strengthening means (20) being adapted to exert a radially inward force on at least part of the tubular body (12) when axial strengthening means (20) is subjected to axial tension.

Probable Assignee: DUNLOP OIL AND MARINE LTD

Earliest Publication Date: 20011219



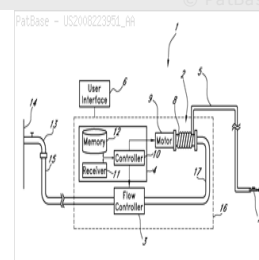
3) Family number: 42117210 (US2008223951A)

REMOTE CONTROL FOR VALVE AND HOSE REEL SYSTEM

Abstract: Source: US2008223951A An apparatus includes a handheld element and a remote control. The handheld element has a proximal end, a distal end, and an internal flow conduit. The internal flow conduit extends between the proximal and distal ends. The internal flow conduit is configured to be in fluid communication with a hose. The remote control is integrated with the handheld element. The remote control is configured to transmit wireless data signals for controlling a device associated with the hose. The device may include a reel, a valve system, a valve unit, and/or a plurality of valves.

Probable Assignee: GREAT STUFF INC

Earliest Publication Date: 20080828



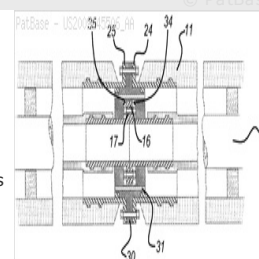
4) Family number: 33990556 (US2009145506A)

CRYOGENIC TRANSFER HOSE

Abstract: Source: US2009145506A A flexible cryogenic transfer hose for connecting two cryogenic facilities, has a length of at least 20 m, and: an inner flexible hose with at least two segments, interconnected via at least two transverse inner connecting members, an outer hose surrounding the inner hose and including a watertight elastomeric or composite material, the outer hose having at least two segments mutually connected via two outer connecting members, the outer hose having a wall thickness of at least 2 cm, a bend radius of at least 2 m, and an internal diameter of at least 20 cm, the inner hose being kept at a distance from the outer hose via spacer elements bridging a distance between the outer wall of the inner hose and an inner wall of the outer hose, which distance is between 0.1 and 0.8 times the internal diameter of the inner hose.

Probable Assignee: TRELLEBORG INDUSTRIE SAS

Earliest Publication Date: 20060825



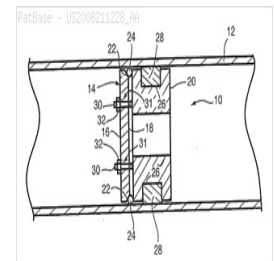
5) Family number: 34384683 (US2008211228A)

PIPE TESTING TOOL WITH MAGNETIC CLAMPS

Abstract: Source: US2008211228A An apparatus for sealing a section of a pipe interior includes a clamp having a magnetic engagement means for axially positioning the clamp within the interior of a pipe and preventing relative axial movement there-between and a sealing plate securable thereto. Movement of the sealing plate against the clamp results in deformation of a resilient sealing member thereby forming a seal between the apparatus and the pipe. The apparatus can be used in conjunction with another oppositely oriented apparatus or other sealing means to form a sealed space within the tube. Pressurization of the sealed space allows for a radial and/or axial force being applied to the sealed section of the pipe.

Probable Assignee: CAR BER INVESTMENTS INC

Earliest Publication Date: 20070412



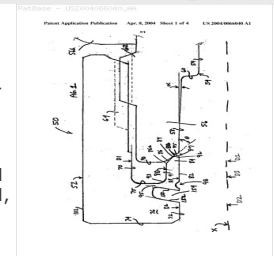
6) Family number: 23712298 (US2004066040A)

TUBE FITTING WITH SEPARABLE TUBE GRIPPING RING

Abstract: Source: US2004066040A A tube fitting for a tube end has a female threaded member that cooperates with a male threaded member. The female member includes a tube gripping device in the form of a gripping ring or ferrule that is attached to the female member by a fungible web. Upon a partial pull-up the female engages a camming surface on the male threaded member and breaks off or separates from the female threaded member to become a separate piece so that the fitting then functions as a single ferrule tube fitting. Additional features include a steep camming angle on the camming surface to cause the ferrule to grip the tube end with a bite-type action and to form a primary seal between the camming surface and a front end of the separated ferrule. The ferrule front end, and optionally the entire female threaded member including the initially integral tube gripping device, are hardened to be at least about 3.3 times harder than the material of the tube end.

Probable Assignee: SWAGelok CO

Earliest Publication Date: 20020815



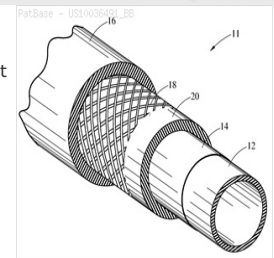
7) Family number: 47721848 (US10036491B)

LOW-PERMEATION FLEXIBLE FUEL HOSE

Abstract: Source: US10036491B A flexible hose or a tubing having a barrier layer of polyamide 6 having an impact modifier, and/or branched molecular structure, a flexural modulus of 1 to 2 GPa and/or a tensile elongation of 100 percent or more. The hose may have additional layers such as an HNBR rubber inner tube, an EVM/CPE rubber blend outer cover, a textile or wire reinforcement, or the like. Permeability to ethanol- and methanol-containing fuels is very low. Permeability to B20 biofuels is very low.

Probable Assignee: GATES CORP

Earliest Publication Date: 20101202



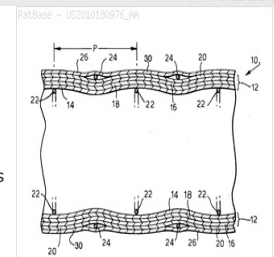
8) Family number: 33522558 (US2010180976A)

REINFORCED HOSE

Abstract: Source: US2010180976A A hose comprising a tubular body of flexible material arranged between an inner and an outer helically wound wire. The hose further comprises an elongate member having opposing longitudinal edges, the elongate member being helically wound around the tubular body such that the opposing longitudinal edges of the layer are in an adjacent or overlapping arrangement, wherein each longitudinal edge includes a formation capable of interengaging with a cooperating formation on the opposing longitudinal edge, wherein the elongate member is provided at least one reinforcing member which extends along the longitudinal axis of the elongate member.

Probable Assignee: BHP BILLITON PETROLEUM PTY LTD

Earliest Publication Date: 20080214



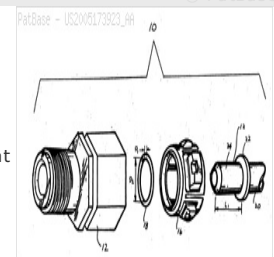
9) Family number: 32127301 (US2005173923A)

QUICK CONNECTOR FOR HIGH PRESSURE APPLICATIONS

Abstract: Source: US2005173923A A fluid coupling for high pressure applications comprising a female connector body, a plastic retainer and a tubular male member with a radially enlarged upset. The female connector body defines a bore extending axially inwardly into the connector body from an entrance. The plastic retainer received within the female connector body includes a cylindrical ring at a first axial end and at least four approximately equally spaced locking members extending axially from the ring separated by slots and detached from each other at a second axial end. Each locking member includes two columns, a beam connecting the two columns at the second axial end and an arm extending axially from the beam between the columns. The arm includes a first abutment surface and a second abutment surface.

Probable Assignee: TI AUTOMOTIVE LLC

Earliest Publication Date: 20050810



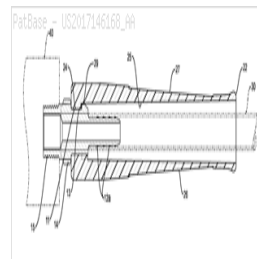
10) Family number: 65759334 (US2017146168A)

SWIVEL COUPLING AND HOSE ASSEMBLIES AND KITS UTILIZING THE SAME

Abstract: Source: US2017146168A A swivel coupling assembly includes a first annular member having at least one annular barb, a shoulder and at least one annular groove containing a seal. There is a first bearing surface and a second bearing surface either side of the annular groove. The first and second bearing surfaces have a width equal to or greater than a width of the annular groove. There is a second annular member having an inner surface defining a bore configured to receive the first annular member. When joined, the shoulder of the first annular member frictionally engages the bore of the second annular, thereby allowing rotation. The seal engages with and seals the bore at a location between the ends of the second member. and spaced by a distance of at least the width of the first and second bearing surfaces from the shoulder and the second opening, respectively.

Probable Assignee: TECTRAN MFG INC

Earliest Publication Date: 20170525



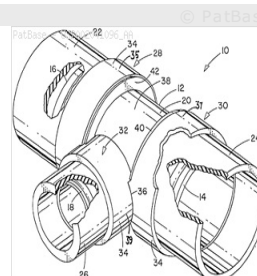
11) Family number: 30082793 (US2002041096A)

MOLDED HOSE JOINT ASSEMBLY

Abstract: Source: US2002041096A Molded hose joint assemblies, e.g., connections, branched hoses and bleeding devices for fluid circuits, and especially such assemblies for use in automotive and industrial coolant circuit assemblies, which assemblies comprise a reduced amount of molded outer covering element over prior art designs, said covering element substantially encapsulating the connection points of generally flexible hose ends to generally rigid inner connection members. The outer covering element forms a unitary mass or interconnecting rings about at least two such hose connection points. Flexible manufacturing techniques for producing such assemblies are provided.

Probable Assignee: GATES CORP

Earliest Publication Date: 19990916



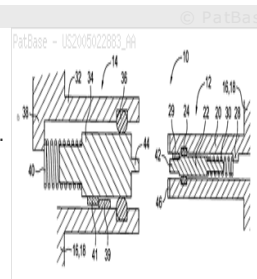
12) Family number: 31495152 (US2005022883A)

FUEL CARTRIDGE WITH CONNECTING VALVE

Abstract: Source: US2005022883A A shut-off valve or connecting valve capable of connecting a fuel supply to a fuel cell is disclosed. The valve comprises a first valve component and a second valve component. Each valve component has an outer housing and a biased slidable member disposed inside the housing forming an internal seal. During the connection process, the two valve components establish an inter-component seal. Afterward, in one suitable embodiment the slidable member moves inward and opens the internal seal in the valve component to establish a flow path. In another embodiment, the slidable member moves inward and exposes a first filler and the first filler abuts a second filler in the other valve component to establish a flow path. In other embodiments, at least one valve component is sized and dimensioned to limit access to the internal seal.

Probable Assignee: INTELLIGENT ENERGY LTD

Earliest Publication Date: 20050203



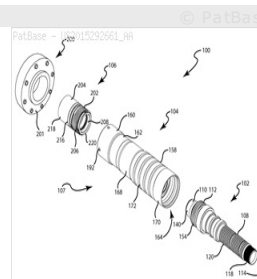
13) Family number: 60560839 (US2015292661A)

HIGH PRESSURE, LARGE INNER DIAMETER HOSE COUPLING WITH TERMINATION ATTACHMENT

Abstract: Source: US2015292661A This disclosure relates generally to a hose coupling for attachment to an end portion of a hose. The hose coupling may include a fitting, a termination attachment, and an end termination. The fitting may be attachable to the end portion of the hose. The fitting may include a ferrule and a stem. The ferrule may be attached to the stem. The termination attachment may be attached to the fitting in opposing relationship to the end portion of the hose. The end termination may be associated with the termination attachment. In some examples, the end termination is threaded, welded, integrally formed, integrally machined, or otherwise associated with the termination attachment.

Probable Assignee: GATES CORP

Earliest Publication Date: 20151015



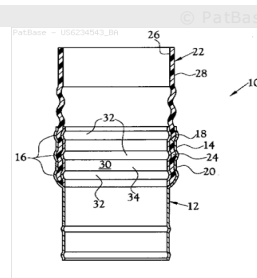
14) Family number: 15969675 (US6234543B)

DEVICE AND METHOD FOR COUPLING A RIGID PIPE TO A FLEXIBLE HOSE

Abstract: Source: US6234543B A device and method for coupling a rigid pipe to a flexible hose. The device for coupling a rigid pipe to a flexible hose is designed for use in low pressure applications whereby fluid communication between the rigid pipe and the flexible hose is prevented. The coupling of the present invention includes a clamping ring. After assembly of the coupling using the method of the present invention, a terminal end of the flexible hose is interposed between the terminal end of the rigid pipe and the clamping ring. Each of the rigid pipe and clamping rings is deformed to define cooperating annular rings, and to deform the flexible hose there between. Deformation of the flexible hose between the rigid pipe and clamping ring annular rings serves to form a seal to prevent fluid communication between the rigid pipe and flexible hose, and further prevents removal of the coupling. In an alternate embodiment, at least the rigid pipe is deformed to define a barbed annular ring. In another such embodiment, the clamping ring is likewise deformed. In still another embodiment, the clamping ring defines a knurled surface for increasing frictional resistance between the clamping ring and the flexible hose.

Probable Assignee: DWWS LLC

Earliest Publication Date: 20001123



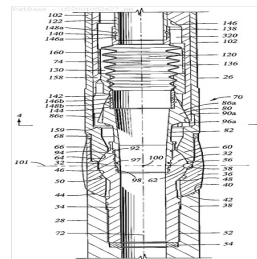
15) Family number: 32305376 (US2001052427A)

THREE DIMENSIONAL STEERABLE SYSTEM

Abstract: Source: US2001052427A The steering assembly includes upper and lower tubular housings connected by a universal joint. An angle cam is disposed on the end of the lower housing and projects into the upper housing. A plurality of wedge members extend axially from the upper housing and into engagement with the angle cam. Drive trains are connected to the wedge members to move the wedge members toward and away from the angle cam so as to pivot the lower housing at the universal joint and change the angle and azimuth of the lower housing with respect to the upper housing. The lower housing is connected to a bearing pack supporting a drill bit such that upon changing the angle and azimuth of the lower housing, the direction of the drilling of the drill bit is also changed. The steering assembly being connected to composite tubing having conductors in the wall thereof for conducting data and commands between the steering assembly and a processor at the surface and for providing power to the steering assembly. Data on the position of the bit is transmitted to a processor which determines the direction of drilling and selectively transmits commands to the steering assembly to change the bend angle and direction of the drilling of the bit.

Probable Assignee: HALLIBURTON CO

Earliest Publication Date: 19990427



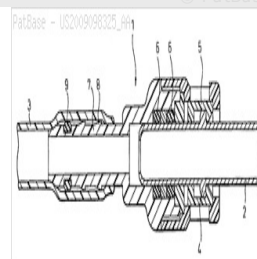
16) Family number: 33362852 (US2009098325A)

SEMI-AROMATIC POLYAMIDE RESIN

Abstract: Source: US2009098325A A semi-aromatic polyamide resin is provided which has a high level of residence stability, hot-water resistance and chemical resistance and is also excellent in adhesive properties and compatibility with other resins and the like. The semi-aromatic polyamide resin comprises: dicarboxylic acid units in which 50 to 100 mol percent of the dicarboxylic acid units are aromatic dicarboxylic acid units; and diamine units in which 60 to 100 mol percent of the diamine units are aliphatic diamine units having 9 to 13 carbon atoms. Furthermore, at least 10 percent of terminal groups of molecular chains of the polyamide resin are blocked with a terminal-blocking agent, and the amount of terminal amino groups of the molecular chains is 60 mueq/g or more and 120 mueq/g or less. In addition, $[NH_2]/[COOH]$ greater than or equal to 6 is satisfied, where $[NH_2]$ (mueq/g) represents the amount of the terminal amino groups and $[COOH]$ (mueq/g) represents the amount of terminal carboxyl groups.

Probable Assignee: KURARAY CO LTD

Earliest Publication Date: 20060921



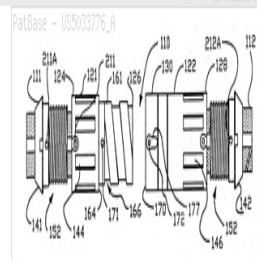
17) Family number: 29377323 (US5033776A)

COMPONENT COUPLING APPARATUS

Abstract: Source: US5033776A A coupling apparatus and method is disclosed for coupling a first hose for enabling the flow of a fluid therethrough, comprising a first coupling member having a first coupling internal bore extending between an inner end and an outer end. First coupling threads are defined in the first coupling member proximate the inner end whereas first coupling linking threads are defined by the first coupling internal bore of the first coupling member proximate the outer end. A second coupling member has second coupling threads defined therein. A first attachment member has first attachment linking threads with means for affixing the first hose attachment member to the first hose. The first attachment linking threads are engagable with the first coupling linking threads for securing the first hose to the first coupling means. The first coupling threads are engagable with the second coupling threads for interconnecting the first coupling member and the second coupling member for coupling the first hose thereto.

Probable Assignee: SANDROID SYSTEMS INC

Earliest Publication Date: 19910418



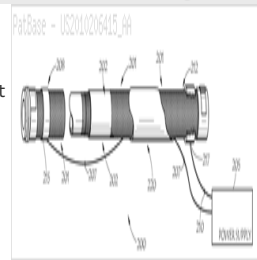
18) Family number: 46563276 (US2010206415A)

HEATED FLUID CONDUIT END COVERS, SYSTEMS AND METHODS

Abstract: Source: US2010206415A A fluid conduit body having a semi-conductive material disposed therein and at least one wire coupling an electrical power supply to the conduit to provide an electrical current therethrough to heat the fluid conduit also has an end cover molded over a fitting fitted to an end of the conduit and over an end of the wire coupling the power supply to an end of the conduit. Alternatively, a fluid conduit heating system employs a semi-conductive sleeve disposed over a fluid conduit with the sleeve extending at least partially over a fitting fitted to an end of the conduit. An electrical power supply is coupled to each end of the sleeve to provide an electrical current through the semi-conductive sleeve to heat the sleeve and the fluid conduit. An end cover is molded over at least a portion of the fitting and the sleeve extending thereover.

Probable Assignee: GATES CORP

Earliest Publication Date: 20100819



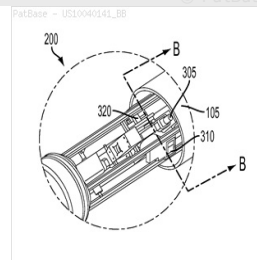
19) Family number: 57878436 (US10040141B)

LASER CONTROLLED INTERNAL WELDING MACHINE FOR A PIPELINE

Abstract: Source: US10040141B The present invention is directed to a system for welding together segments of a pipeline. The system includes an external alignment mechanism for externally supporting and manipulating the orientation of pipe segments in order to align relative segments. The system also includes an internal welding mechanism for applying a weld to an interior face joint of the two abutted pipe segments. The internal welding mechanism including a torch for applying a weld, a laser for tracking the weld profile and guiding an articulating head of the torch, and a camera for visually inspecting the weld after the weld is applied.

Probable Assignee: CRC EVANS PIPELINE INT INC

Earliest Publication Date: 20141127



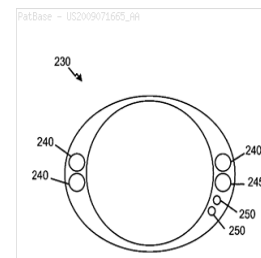
20) Family number: 43030719 (US2009071665A)

METHOD AND SYSTEM FOR FLUID TRANSMISSION ALONG SIGNIFICANT DISTANCES

Abstract: Source: US2009071665A The system contains a plurality of conduit segments and at least one electrically-powered pump. At least one conduit connector joins the conduit segments and the electrically-powered pumps, thereby mating at least one fluid path. A plurality of electric power wires are coupled with the conduit segments and connected to the electrically-powered electric pumps. At least one electrical connector, within said conduit connectors, mates corresponding electric power wires between the conduit segments. An electric power source electrically connected to the electrically-powered pump via the electric power wires.

Probable Assignee: STEPHEN SHOAP

Earliest Publication Date: 20090319



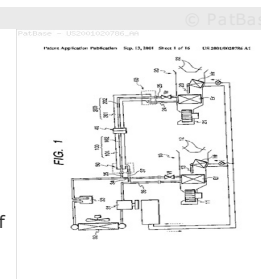
21) Family number: 28107167 (US2001020786A)

JOINT FOR DUPLEX PIPES, METHOD OF BRAZING THE JOINT TO DUPLEX PIPE, AND AIR CONDITIONING APPARATUS FOR VEHICLE

Abstract: Source: US2001020786A A joint 50 for duplex pipes is to connect to a duplex 100 where an outer pipe 101, an inner pipe 102, and ribs 103 are unitized to be the duplex pipe 100 as one body through an extruding process or a drawing process, having a main body 110 which is provided at its one end to an end portion 101a of the outer pipe exposing the inner pipe 102 by partially eliminating the outer pipe 101, a wall face part 112 equipped at the other end of the main body 110 for penetrating the exposed inner pipe 102, and a connecting pipe 120 provided in the opening 113. An opening is formed at places to be determined in response to disposing conditions of the connecting pipes. +SU

Probable Assignee: CALSONIC KANSEI CORP

Earliest Publication Date: 20010829



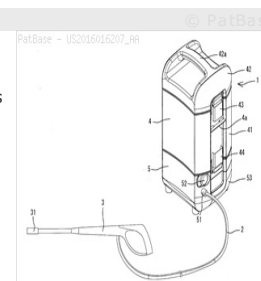
22) Family number: 54590467 (US2016016207A)

WASHING DEVICE, HIGH-PRESSURE WASHING DEVICE, AND ADAPTER

Abstract: Source: US2016016207A A high-pressure washing device (1) includes a nozzle (31). The nozzle (31) is configured to eject a high-pressure cleaning liquid. The cleaning liquid ejected from the nozzle (31) has a pulsation pressure. A variation rate of the pulsation pressure is more than or equal to 20 percent.

Probable Assignee: HITACHI KOKI CO LTD

Earliest Publication Date: 20130822



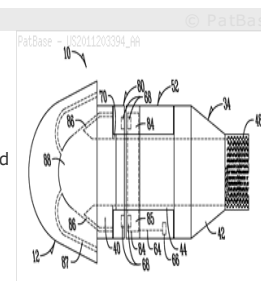
23) Family number: 49417934 (US2011203394A)

INLINE JET-SONDE

Abstract: Source: US2011203394A A sonde, inline sonde, or inline sonde and carrier, configuration for use in troubleshooting a pipe and providing precise location of the problem includes a sonde carrier having a first end adapted to attach to a line and a second opposite end adapted to attach to a troubleshooting device. A sonde transmitter having a hollow core is mounted over a line or hose or inline with the sonde carrier between the first and second ends. The sonde carrier includes means for coupling first and second body portions of the carrier together and to a high pressure water line and cleaning nozzle. Means for generating power may be included within the sonde carrier or transmitter for electrically supporting operation of the sonde transmitter. Electrical storage means may also be included to allow for operation of the sonde transmitter hardware during a non-water flow event.

Probable Assignee: TINLIN JEFFREY S

Earliest Publication Date: 20110822



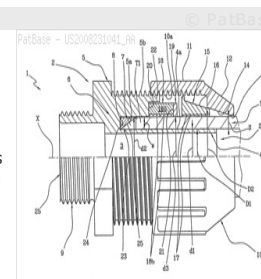
24) Family number: 34299308 (US2008231041A)

DEVICE FOR CONNECTING FLEXIBLE HOSES

Abstract: Source: US2008231041A A device for connecting flexible hoses comprises a connecting member (2) having a tubular element (4) that can be inserted into a flexible hose (T). The tubular element (4) and a radially external threaded cylindrical member (5) together delimit an annular seat (7) designed to accommodate an end (T 1) of the flexible hose (T). A threaded ring (10) can be screwed onto the cylindrical member (5) and accommodates a split bush (15) having a working surface (16) engaged with a working surface (14) of the ring (10). By turning the threaded ring (10), the split bush (15) can be moved between a position where it is axially spaced from the threaded cylindrical member (5) and a position where it is axially close to the threaded cylindrical member (5) and where an interposed seal (18) between the cylindrical member (5) and the bush (15) adopts a radially inwardly deformed condition such as to tighten it around the flexible hose (T).

Probable Assignee: BUCCHI SRL

Earliest Publication Date: 20070309



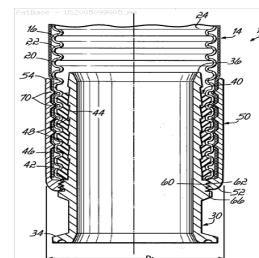
25) Family number: 31883215 (US2005099005A)

FITTING FOR A FLEXIBLE METAL HOSE

Abstract: Source: US2005099005A A flexible hose formed from corrugated metal tube has a fitting permanently crimped to the end of the hose. The fitting includes an elongated stem having a first end adapted to be coupled to an appropriate fitting surface and a second end configured to be received within the hose. A sealing member disposed on the second end of the stem seals the fitting between the corrugated metal tube and the stem. A ferrule is placed over the hose and is crimped to compress the hose and sealing member between the ferrule and stem.

Probable Assignee: CHARLES C ASHDOWN ESQ AND J THOMAS MELLOTT ESQ CO TRUSTEES UNDER FULLBECK PATENT TRUST

Earliest Publication Date: 20050512



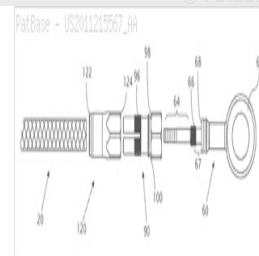
26) Family number: 49549536 (US2011215567A)

SACRIFICIAL HOSE FITTING ASSEMBLY

Abstract: Source: US2011215567A A hose fitting assembly is provided, wherein the components are operably engaged with a length of hose to form a sacrificial construction. An end fitting having an insertion stem is disposed within a portion of the hose, wherein a clamping sleeve receiving a length of the hose threadingly engages the end fitting. A swaging collar is slide along the hose to threadingly engage the clamping sleeve, such that complete threaded engagement of the swaging collar and the clamping sleeve circumferentially compress and deform a portion of the clamping sleeve to clamp a portion of the hose intermediate the clamping sleeve and the insertion stem, and partially deformed threads on at least one of the clamping sleeve and the swaging collar. The hose fitting assembly can cooperatively engage a flexible **high pressure** metal braided hose, wherein the metal braid is formed of a less than full tensile strength steel, such as half hard stainless steel.

Probable Assignee: MAGNUM SHIELDING CORP

Earliest Publication Date: 20110908



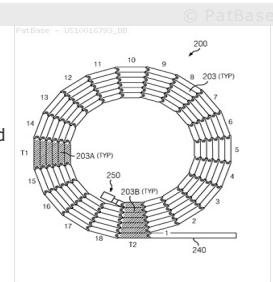
30) Family number: 56138271 (US10016793B)

ENHANCED KNUCKLE-JOINTED LANCE USEFUL FOR INTERNAL CLEANING AND INSPECTION OF TUBULARS

Abstract: Source: US10016793B A Knuckle Jointed Lance (KJL), comprising a segmented lance including a plurality of connected KJL segments in a concatenated string thereof. The first end of one KJL segment is rotatably connected to the second end of a neighboring KJL segment via a pinned connection. Responsive to user assignment of a predetermined length to each KJL segment in the concatenated string according to the KJL segment's corresponding pre-ordained position in the concatenated string, the lance is disposed to spool onto a reel in "nested" fashion, such that as the lance makes spooling revolutions onto the reel, (a) KJL segments stack in circumferential registered layers around the reel and (b) pinned connections trace substantially radial vectors from a center of the reel. Other embodiments provide additional features to facilitate nesting and to generally strengthen the KJL.

Probable Assignee: THOMAS ENGINEERING SOLUTIONS AND CONSULTING LLC

Earliest Publication Date: 20140403



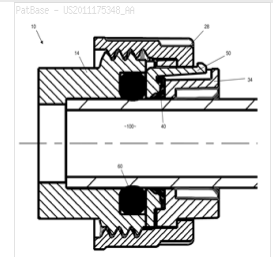
31) Family number: 49279344 (US2011175348A)

VALVE CONNECTIONS

Abstract: Source: US2011175348A A valve assembly having a valve body; at least one port to receive tubing; and a collar group to secure the tubing to the port, wherein the collar group is selected from a first collar group configured to secure the tubing by a flattening a washer, thereby driving teeth of the washer into the tubing, and a second collar group having a smooth interior surface to which the tubing is bonded, wherein either the first or the second collar groups may be interchangeably threaded onto the port.

Probable Assignee: AUTOMATIC SWITCH CO

Earliest Publication Date: 20110721



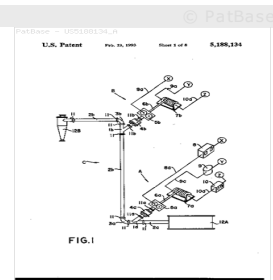
32) Family number: 4442640 (US5188134A)

AUTOMATIC INNER PIPELINE SURFACE WASHING APPARATUS

Abstract: Source: US5188134A Each of the washing units A and B comprises an openable and closable pinch valve unit 4 branchwise connected to a pipeline C, an autofeeder unit 5 for controlling the feed for advance and retraction movement of a **high pressure hose** 6 having rotatable nozzle unit connected to the front end thereof, and a hose reel unit 7 for winding and unwinding the **high pressure hose**. During washing operation, the nozzle unit enters the pipeline C through the pinch valve unit 4 now opened to wash the inner surface of the pipeline. During nonwashing period, the nozzle unit is moved rearward and completely isolated from the pipeline by the pinch valve unit 4 now closed. Therefore, the washing units A and B are completely separated from the pipeline C during nonwashing period.

Probable Assignee: MITSUBISHI TANABE PHARMA CORP

Earliest Publication Date: 19921223



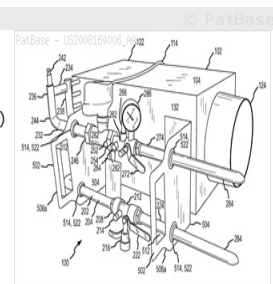
33) Family number: 41998591 (US2008164006A)

EMBEDDED HEAT EXCHANGER FOR HEATING, VENTILATIION, AND AIR CONDITIONING (HVAC) SYSTEMS AND METHODS

Abstract: Source: US2008164006A A zone-control unit for use in a heating, ventilation, and air conditioning (HVAC) system, the zone-control unit includes a heat exchanger, an inlet piping assembly coupled with the heat exchanger for supplying fluid to the heat exchanger, an outlet piping assembly coupled with the heat exchanger for receiving fluid from the heat exchanger, a bracket that maintains the inlet piping assembly and the outlet piping assembly in positional relationship, and an ancillary component coupled with the heat exchanger.

Probable Assignee: KARAMANOS JOHN CHRIS

Earliest Publication Date: 20080710



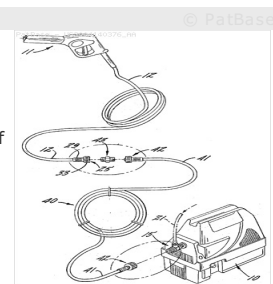
34) Family number: 30734355 (US2004140376A)

UNIVERSAL PRESSURE WASHER EXTENSION/REPLACEMENT HOSE

Abstract: Source: US2004140376A A universal pressure washer extension/replacement hose adapted for use with pressure washers which have different diameter liquid discharge outlets. The extension hose has identical connecting fittings at its opposite ends, one of which can be coupled in sealed relation to a pressure washer outlet of either of two known sizes and the other of which is connectable to a spray gun hose through a universal adaptor having connecting chambers of said two known sizes.

Probable Assignee: FNA GROUP INC

Earliest Publication Date: 20040722



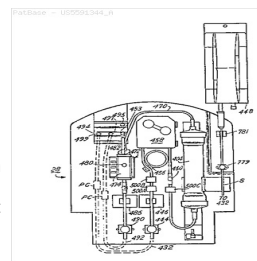
35) Family number: 24193617 (US5591344A)

HOT WATER DISINFECTION OF DIALYSIS MACHINES, INCLUDING THE EXTRACORPOREAL CIRCUIT THEREOF

Abstract: Source: US5591344A A dialysis machine is disclosed that incorporates a water treatment module, a dialysate preparation module having a dialysate circuit, and an extracorporeal circuit including a dialyzer and arterial and venous blood lines that connect to the patient. The machine accomplishes on-line disinfection of all the fluid circuits of the machine, including the water treatment module, the dialysate preparation module and extracorporeal circuit, the arterial and venous lines, and the dialyzer, by circulating water heated to a high level disinfection temperature (e.g., 80 degrees C.) through the fluid passages of the machine for a sufficient time (such as an hour) to achieve high level disinfection. After the dialysis session is ended, the patient connects the arterial and venous lines to ports in a disinfection manifold that places the arterial and venous lines into fluid communication with the heated water. Thereafter, the machine is ready to disinfect the fluid circuits including the extracorporeal circuit. In a preferred embodiment, the ports of the disinfection manifold ports include recessed features that permit the hot water to circulate on the interior and exterior surfaces of the arterial and venous line connectors, thereby insuring that the surfaces of connectors themselves are also disinfected.

Probable Assignee: BAXTER HEALTHCARE SA

Earliest Publication Date: 19960814



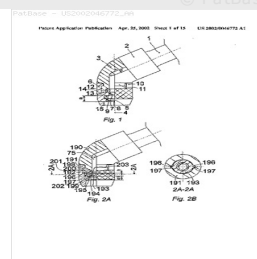
36) Family number: 28182797 (US2002046772A)

VALVE CONNECTOR

Abstract: Source: US2002046772A By a universal valve connector for inflation valves of vehicle tires (Sclaverand, Dunlop-Woods, or Schrader), whose connector consists of a connector housing (368), which partly is connected to a pressure source, preferably a hand or foot pump, and which partly has a coupling hold (5) with a diameter corresponding to the diameter of the valve, which is to be connected, where the coupling hole is equipped with a securing means for securing on the valve, plus a sealing means against valves of different sizes. This is achieved by the sealing means (366) being mounted coaxially in the connector housing (368) and being established on at least two parallel, separate levels, having the center line (4) of the connector housing (368), which is coaxial to the center line of the valve, as its normal, where the minor diameters of the sealing means approximately correspond to the major diameter of the current valve dimensions, on which the connector is mounted when used, that the sealing means (366), closest to the opening (8) of the coupling hole (5) in the connector housing (368) has the biggest minor diameter, while the sealing means (366) farthest from the opening (8) of the coupling hole in the connector housing (368) has the smallest minor diameter, and diameters between the extremes are lying corresponding separate distance between these extremes. The valve connector has the possibility of automatically adjust itself to the valve in question and if needed to activate the central core of a Schrader valve. Also, it is possible to use the connector with existing pumps.

Probable Assignee: NVB INT

Earliest Publication Date: 19960418



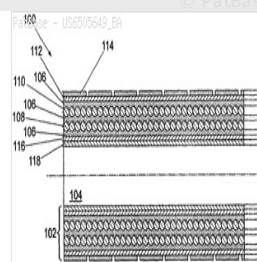
37) Family number: 11377739 (US6505649B)

HOSES OR FLEXIBLE PIPES

Abstract: Source: US6505649B A hose or flexible pipe (100,200) which has an inner lining (116; 216) composed of fluoropolymer. This gives the hose an improved capacity to withstand high temperatures, chemical degradation and embrittlement along with flexibility and light weight. The hose wall structure (102) is preferably fully bonded to improve support for the fluoropolymer lining (116; 216). The fluoropolymer lining (116; 216) also makes practicable the use of rubbers having the ability to withstand high temperatures.

Probable Assignee: PIPEFLEX MANUFACTURING LTD

Earliest Publication Date: 19990701



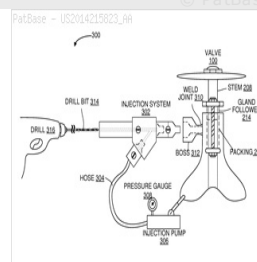
38) Family number: 57135930 (US2014215823A)

VALVE, PIPE AND PIPE COMPONENT REPAIR

Abstract: Source: US2014215823A In some implementations, an apparatus includes a body, a receiver in contact with the body, two tensioners operable coupled to the receiver and a strap that includes strong and flexible material in which each end of the strap is attached to one of the two tensioners and the strap is in contact with the body.

Probable Assignee: FORGE TECH INC

Earliest Publication Date: 20140807



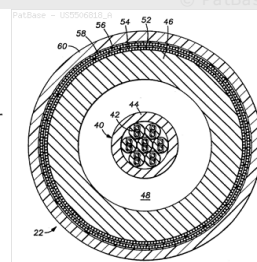
39) Family number: 8430337 (US5506818A)

SEISMIC SOURCE SYSTEM UTILIZING A SMALL DIAMETER HOSE BUNDLE

Abstract: Source: US5506818A This invention is a seismic source system for marine surveying using a small diameter hose bundle containing an electrical cable disposed within an air hose which is reinforced with torque-balanced layers of armor components and protective jacket and connected to a termination assembly at one end for connection to an electrical power supply, pressurized air supply and control system and connected to another termination assembly at the other end for connection to an air gun subarray comprising multiple air guns.

Probable Assignee: WESTERNGECO LLC

Earliest Publication Date: 19940428



40) Family number: 54974267 (US2013269819A)

PIPE SECTION HAVING BONDED COMPOSITE BARRIER LAYER

Abstract: Source: US2013269819A Pipe sections and methods for forming pipe sections are disclosed. A pipe section includes a hollow body formed from a metal material, the hollow body having an inner surface and an outer surface, the inner surface defining an interior. The pipe section further includes a barrier layer surrounding and bonded to the hollow body, the barrier layer having an inner surface and an outer surface. The barrier layer is formed from a continuous fiber reinforced thermoplastic material. Such pipe sections may be lightweight and flexible while exhibiting improved strength characteristics.

Probable Assignee: TICONA LLC

Earliest Publication Date: 20131017

