

1) Family number: 43650504 (US2009211660A)

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Title: CONTROLLED EXPANSION HOSE

Abstract: An expansion hose adapted for smoothing pressure fluctuations in a hydraulic system having an inner tube, a textile reinforcement, and an outer cover. The reinforcement includes a plurality of yarns, which in turn have a plurality of filaments of first fiber material type and a plurality of filaments of second fiber material type, with first fiber type having elongation at break higher than the second fiber type by at least about 4 percent elongation. The expansion hose may be part of an assembly including at least one fitting, coupling, bracket, hose clamp, or other hose.

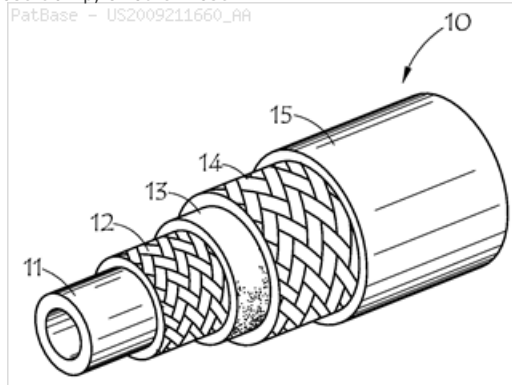
Classifications:

International (IPC 8-9): B32B1/08 B62D5/06 F16L11/00 F16L11/02 F16L11/04 F16L11/08 F16L11/10 F16L11/12 F16L11/20 F16L55/04 F16L9/14 (Advanced/Invention); F16L11/02 F16L11/04 F16L11/08 F16L11/20 (Advanced/Non-invention); F16L11/00 F16L11/04 F16L11/08 F16L9/00 (Core/Invention)

CPC: Y10T428/1393 F16L11/086 B62D5/062 F16L11/082 F16L11/088 F16L11/12 F16L55/04

European: B62D5/06K F16L11/08D1 F16L11/08H1 F16L11/08R F16L11/12 F16L55/04

US: 138/123 138/124 138/126 138/137 138/137S 138/140 138/146 138/146S 428/36.91 428/36.910S

**Family:**

Publication number	Publication date	Application number	Application date
AU2009217768 AA	20090903	AU20090217768	20090220
AU2009217768 BB	20120628	AU20090217768	20090220
BRPI0908796 A2	20150721	BR2009PI08796	20090220
CA2716382 AA	20100817	CA20092716382	20090220
CA2716382 C	20130820	CA20092716382	20090220
CN101960194 A	20110126	CN200980106623	20090220
CN101960194 B	20130814	CN200980106623	20090220
DE602009021284 D1	20140220	DE200960021284T	20090220
EP2250417 A2	20101117	EP20090714845	20090220
EP2250417 A4	20120530	EP20090714845	20090220
EP2250417 B1	20140108	EP20090714845	20090220
IN299480 B	20180803	IN2010DN05696	20100811
JP2011514953 T2	20110512	JP20100548681T	20090220
JP2013177974 A2	20130909	JP20130076822	20130402
JP2017036836 A2	20170216	JP20160180247	20160915
KR101280686 B1	20130701	KR20107019792	20090220
KR101304654 B1	20130905	KR20137000693	20090220
KR20100105904 A	20100930	KR20107019792	20090220
KR20130010917 A	20130129	KR20137000693	20090220
MX2010009335 A1	20100924	MX20100009335	20090220
RU2010139470 A	20120410	RU20100139470	20090220
RU2459131 C2	20120820	RU20100139470	20090220
US2009211660 AA	20090827	US20080037626	20080226
US7694695 BB	20100413	US20080037626	20080226
WO09108289 A2	20090903	WO2009US01115	20090220
WO09108289 A3	20091126	WO2009US01115	20090220
WO09108289 A8	20100826	WO2009US01115	20090220

Priority:

US20080037626	20080226	EP20090714845	20090220	JP20100548681	20090220
JP20100548681T	20090220	JP20130076822	20090220	WO2009US01115	20090220
JP20160180247	20160915				

Probable Assignee: GATES CORP

Assignee(s): (std): GATES CORP A DELAWARE CORP ; GATES CORP ; GATES CORPORATION ; JOHNSON ALAN C ; NG ALEXANDRA MEI ; GEJTS CORP

Assignee(s): GATES MECTROL INC A DELAWARE CORP ; WILMINGTON TRUST FSB COLLATERAL AGENT AS ; AQUATIC CO ; CITIBANK NA COLLATERAL AGENT AS ; CITICORP USA INC COLLATERAL AGENT AS ; CREDIT SUISSE CAYMAN ISLANDS BRANCH COLLATERAL AGENT AG AS ; DZE GEJTS KORPOREJSHN ; GATES A DELAWARE CORP ; GATES CORP THE ; EIFELER MASCHINENBAU GMBH ; GATES CORPORATION A DELAWARE CORPORATION ; GATES CORP DENVER ; GATES CORPORATION

Inventor(s): (std): JOHNSON ALAN ; NG ALEXANDRA MEHJ ; DZHONSON ALAN K ; NG ALEXANDRA MEI ; JOHNSON ALAN C ; MEI NG ALEXANDRA

Inventor(s): ALAN C JOHNSON ; ALEXANDRA MEI NG ; ALXANDRA MEI NG ; ALAN JOHNSON

Agent(s): PHILLIPS ORMONDE FITZPATRICK; FETHERSTONHAUGH AND CO; MUELLER BORE AND PARTNER PATENTANWALTE PARTG MBB; TUNSTALL CHRISTOPHER STEPHEN; GATES CORP; P N; J A; J L; DUNLAP PAUL N

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

2) Family number: 11554752 (US5803129A)

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Title: REINFORCED HOSE

Abstract: An improved reinforced hose for conducting fluids and gases, and a method of manufacturing that hose, are disclosed herein. The improved reinforced hose includes an interior tube having an inner bore and an outer surface. The improved reinforced hose also includes an outer covering disposed directly about the outer surface of the interior tube. Such outer covering includes one or more layers of plastic threads, which are formed by disposing a plastic substance about core material.

Classifications:

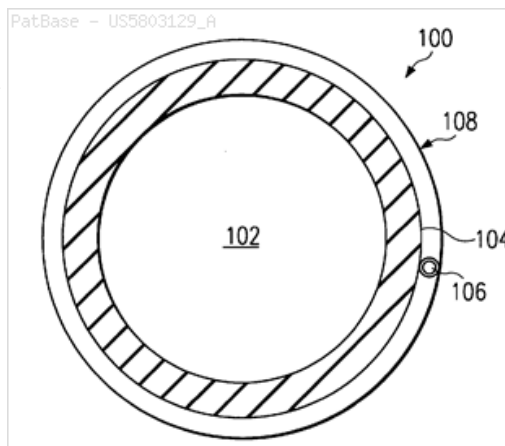
International (IPC 8-9): D04C1/06 F16L11/08 (Advanced/Invention);
D04C1/00 F16L11/08 (Core/Invention)

International (IPC 1-7): F16L03/00 F16L11/00 F16L11/115 F16L25/02
F16L3/00

CPC: F16L11/10 D04C1/06

European: D04C1/06 F16L11/08H

US: 138/109 138/125 138/126

**Family:**

Publication number	Publication date	Application number	Application date
EP0927848 A2	19990707	EP19970120556	19971124
EP0927848 A3	19991215	EP19970120556	19971124
MX9504141 A1	19970329	MX19950004141	19950928
US5803129 A	19980908	US19960626801	19960403
US5803129 C1	20060620	US19960626801	19960403
US5899236 A	19990504	US19970891461	19970710

Priority:

MX19950004141 19950928 US19960626801 19960403 US19970891461 19970710

Probable Assignee: IND DE MANGUERAS REFORZADAS S

Assignee(s): (std): HINOJOSA JESUS CORONADO ; IND DE MANGUERAS REFORZADAS S ; QUINTANILLA EDUARDO CORONADO

Assignee(s): INDUSTRIAL DE MANGUERAS REFORZADAS S A DE C ; V ; INDUSTRIAL DE MANGUERAS REFORZADAS DE C SA ; CORONADO EDUARDO QUINTANILLA ; CORONADO JESUS HINOJOSA

Inventor(s): (std): HINOJOSA JESUS CORONADO ; QUINTANILLA EDUARDO CORONADO ; CORONADO JESUS HINOJOSA ; CORONADO EDUARDO QUINTANILLA

Inventor(s): JESUS CORONADO HINOJOSA ; EDUARDO CORONADO QUINTANILLA

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

3) Family number: 524056 (US3463197A)

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Title: WIRE-BRAIDED HYDRAULIC HOSE

Abstract: 1,181,566. Wire braided hose. RAYBESTOS-MANHATTAN Inc. 19 June, 1967 [20 June, 1966], No. 28106/67. Heading F2P. In a tubular wire braided hydraulic hose reinforcement comprising a plurality of braided strands, each strand consists of a multi-layered bundle of randomly arranged metal wires 36, the strands filling substantially 100 percent of available strand space, each strand having a permanent wound configuration characterized by a continuous, substantially repetitive variation in cross-section conforming to the curvature of the adjacent transverse strands to thereby provide a smoothly curving disposition of all the strand wires. As shown, a reinforced hose 28 having improved static burst and impulse performance, comprises an inner tube 30 made of rubber or plastics and a surrounding braid 32 the strands 34 of which are formed of a relatively large number, e.g. 32, of small diameter wires 36 irregularly arranged in bundles, the stranded wires flowing smoothly over and under each other without the formation of any sharp bends. Since the strands occupy 100 percent of the strand space uniform tensioning and accurate alignment of the wires is unnecessary, a relatively greater number of wires being incorporated in a single strand. The strands are preferably braided two over two under at the neutral braid angle of 54° 44', the wire size preferably being within the range of 0.004 to 0.012 inch. The impulse performance may be substantially increased by subjecting the hose to twice the ordinary working pressure for a relatively short period of time, e.g. a few seconds to a minute, or more. The inner tube 30 is advantageously made of polytetrafluoroethylene. The braid may be covered by another similar braid, or by one of conventional design.

Classifications:

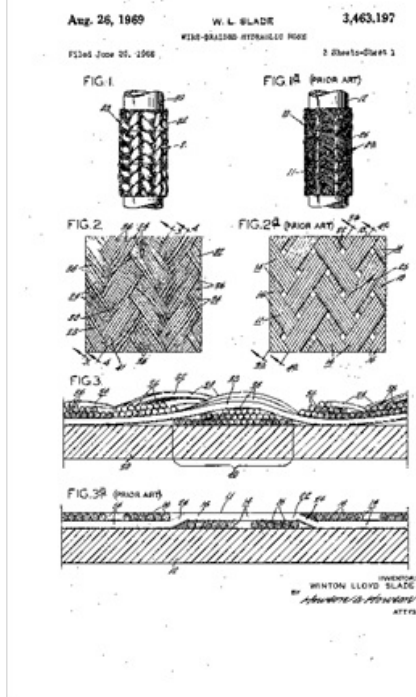
International (IPC 8-9): F16L11/10 (Advanced/Invention);
F16L11/04 (Core/Invention)

International (IPC 1-7): F16L11/02 F16L11/08 F16L11/10 F16L11/14
F16L11/16

CPC: F16L11/10

European: F16L11/10

US: 138/125 87/9

**Family:**

Publication number	Publication date	Application number	Application date
DE1600568 A1	19720413	DE19671600568	19670531
DE1600568 B2	19730419	DE19671600568	19670531
DE1600568 C3	19731108	DE19671600568	19670531
GB1181566 A	19700218	GB19670028106	19670619
US3463197 A	19690826	US19660558926	19660620

Priority:

US19660558926 19660620

Probable Assignee: RAYBESTOS MANHATTAN INC**Assignee(s):** (std): RAYBESTOS MANHATTAN INC ; RAYBESTOS MANHATTEN CORP**Assignee(s):** RAYBESTOS MANHATTAN INC MANHEIM PA V ST A**Inventor(s):** (std): SLADE WINTON LLOYD ; LLOYD SLADE WINTON**Inventor(s):** WINTON LLOYD SLADE ; SLADE WINTON LLOYD LANCASTER PA V ST A**4) Family number: 31730851 (US2005051226A)**

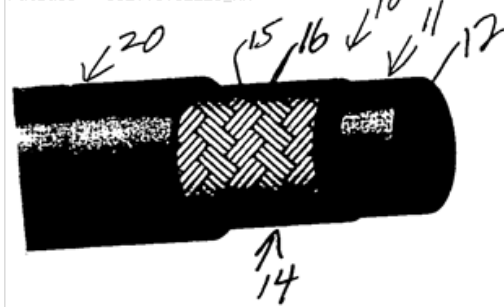
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Title: HIGH PRESSURE FLEXIBLE HOSE

Abstract: A flexible, thermoplastic hose for high pressure and high velocity flow is provided with a flexible braided reinforcement layer with a static drain therein for conducting static electricity towards a ground. This is achieved by having at least one textile fiber yarn with conductive fibers therein braided with non-conducting textile yarns to form the braided reinforcement layer. The preferred conducting fiber yarn is formed with metal fibers as well as plastic fibers. A method of manufacture of the hose comprises providing electrical conducting yarns and non-conducting yarns in a braiding machine and braiding them about a tube having a hollow bore through which fluid flows. An abrasion resistant outer cover layer of polyurethane is extruded over the braided layer having the drain therein. For higher pressure applications, a second braided reinforcement layer may also be provided over the inner braided layer having the electrically conductive yarns. Several conductive yarns may be used to have spaced electrically conductive yarns, e.g., at 3:00, 6:00, 9:00 and 12:00 in a circular cross-section through the hose.

Classifications:**International (IPC 8-9):** F16L11/08 F16L11/127 (Advanced/Invention); F16L11/08 F16L11/12 (Core/Invention)**International (IPC 1-7):** F16L11/00 F16L11/04**CPC:** F16L11/085 F16L11/127**European:** F16L11/08H F16L11/127**US:** 138/124 138/125 138/127 138/133 138/137 138/172

PatBase - US2005051226_AA

**Family:**

Publication number	Publication date	Application number	Application date
US2005051226 AA	20050310	US20040909936	20040802
US6978805 BB	20051227	US20040909936	20040802

Priority:

US20030493705P 20030808

US20040909936 20040802

Probable Assignee:

DYNA FLEX INC

Assignee(s): (std):

DYNA FLEX INC

Inventor(s): (std):

D AMICO JAMES J

Inventor(s):

D AMICO JAMES

Agent(s):

FITCH EVEN TABIN AND FLANNERY

5) Family number: 59380984 (US9046201B)

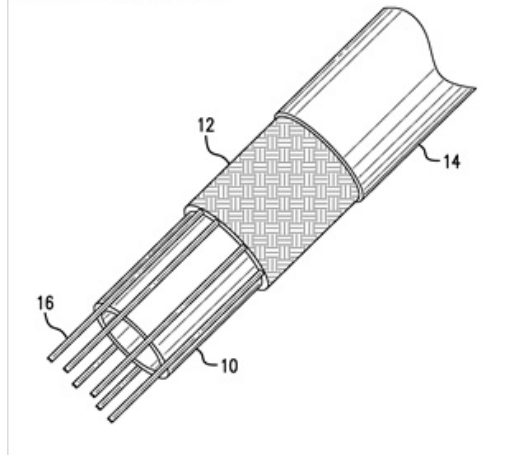
© PatBase

Title: HIGH PRESSURE HIGHLY FLEXIBLE, STABLE IN LENGTH, THERMOPLASTIC HOSE AND METHOD OF MAKING THE SAME

Abstract: The invention is an improved high pressure hose used for hydraulic actuation and fluid conveyance of various liquid media under relatively high pressure. The hose has an inner tube of an elastomeric material that provides a fluid-carrying passageway. The inner tube is covered with a layer of braided yarn and a layer of textile yarn extending parallel to the axis of the fluid-carrying passageway, with an outer sheath of a thermoplastic material completing the hose.

Classifications:**International (IPC 8-9):** F16L11/00 F16L11/02 (Advanced/Invention)**CPC:** F16L11/08 F16L11/085 B29C48/09 B29C48/21**US:** 1/1

PatBase - US9046201_BA

**Family:**

Publication number	Publication date	Application number	Application date
■ US9046201 BA	20150602	US20130733680	20130103

Priority:

US20120583023P 20120104 US20130733680 20130103

Probable Assignee: SCHIEFFER CO INT LC**Assignee(s):** (std): SCHIEFFER CO INT L C**Assignee(s):** SCHIEFFER CO INT LC**Inventor(s):** (std): THEIS JEFFREY D**Agent(s):** JAMES C; SHUTTLEWORTH AND INGERSOLL PLC**6) Family number: 45013190 (US2010126617A)**

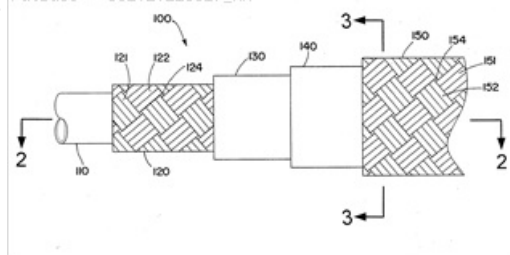
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Title: HIGH TEMPERATURE FIRE SLEEVE

Abstract: A flexible hose for conveying fluids and suitable for high temperature environments, the hose comprising a core tube, a thermal insulating layer surrounding the core tube, a metal layer surrounding the thermal insulating layer, and a vented jacket surrounding the cover layer. The thermal insulating layer may be a fibrous material such as a silica fiber. The metal layer may also be a chemical resistant layer and be thermally stable up to at least about 550 degrees Fahrenheit. The vented jacket may be a wire braid having interstices therein and formed from a corrosion resistant material.

Classifications:**International (IPC 8-9):** F16L11/00 F16L11/12 F16L33/01 F16L33/207 F16L57/04 F16L59/14 F16L59/153 F16L9/14 (Advanced/Invention); F16L11/00 F16L11/12 F16L57/00 F16L59/00 (Core/Invention)**CPC:** F16L33/01 F16L33/2071 F16L11/125 F16L57/04 F16L59/145 F16L59/153**European:** F16L11/12R F16L57/04 F16L59/14H F16L59/153**US:** 138/109 138/109S 138/121 138/121S 138/127 138/127S 138/133 138/137 138/138 138/143 138/149 138/149S 428/36.91

PatBase - US2010126617_AA

**Family:**

Publication number	Publication date	Application number	Application date
■ DE602009033486 D1	20151022	DE200960033486T	20091022
■ EP2189697 A1	20100526	EP20090173742	20091022
■ EP2189697 B1	20150909	EP20090173742	20091022
■ ES2550159 T3	20151104	ES20090173742T	20091022
■ US2010126617 AA	20100527	US20090578079	20091013
■ US2012227851 AA	20120913	US20120470418	20120514

US8176943 BB	20120515	US20090578079	20091013
US8689838 BB	20140408	US20120470418	20120514

Priority:

US20080116649 20081121 US20080116649P 20081121 US20090578079 20091013
EP20090173742 20091022 US20120470418 20120514

Probable Assignee: PARKER HANNIFIN CORP

Assignee(s): (std): PARKER HANNIFIN CORP ; STROEMPL PETER J ; RAMASWAMY NAGARAJAN

Assignee(s): PARKER HANNIFIN CORP CLEVELAND ; PARKER INTANGIBLES LLC

Inventor(s): (std): STROEMPL PETER J ; RAMASWAMY NAGARAJAN

Inventor(s): STROEMPL PETER J FORT WORTH ; RAMASWAMY NAGARAJAN FORT WORTH

Agent(s): OSTERTAG AND PARTNER PATENTANWALTE MBB; BELCHER SIMON JAMES; CARPINTERO MARIO; DON W BULSON PARK RENNER OTTO BOISSELLE AND SKLAR LLP; RENNER OTTO BOISSELLE AND SKLAR 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 MK MT NL NO PL PT RO RS SE SI SK SM TR

7) Family number: 50750148 (EP2426389A1)

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Title: AN IMPROVED FLEXIBLE HOSE CONSTRUCTION

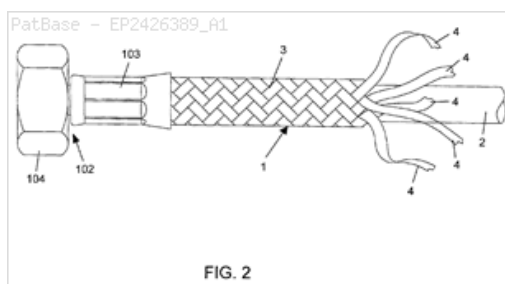
Abstract: An improved flexible hose construction (1), characterized in that said hose construction (1) comprises a flexible plastic material core (2) encompassed by a braid arrangement (3) including a plurality of braided strip elements (4) so braided as to fully encompass said core (2).

Classifications:

International (IPC 8-9): E03C1/02 F16L11/10 (Advanced/Invention)

CPC: E03C1/021 E03C1/025 F16L11/10

European: F16L11/10



Family:

Publication number	Publication date	Application number	Application date
EP2426389 A1	20120307	EP20110172765	20110705
IT1401913 B1	20130828	IT2010MI01593	20100901
ITMI20101593 A1	20120302	IT2010MI01593	20100901

Priority:

IT2010MI01593 20100901

Probable Assignee: P G I PARIGI GROUP INT S P A

Assignee(s): (std): P G I PARIGI GROUP INT S P A ; P G I PARIGI GROUP INTERNAT S P A

Assignee(s): P G I PARIGI GROUP INTERNATIONAL S P A ; PGI PARIGI GROUP INT SPA

Inventor(s): (std): PARIGI CESARE

Agent(s): CICOGLA FRANCO

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

8) Family number: 56140008 (US2014251484A)

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Title: SANITARY HOSE WITH AN INNER HOSE AND A SHEATHING

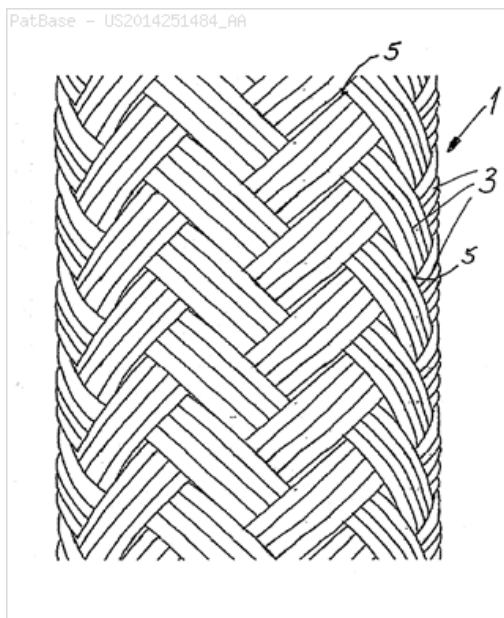
Abstract: A sanitary hose (1) has an inner hose (2) and a braided sheathing (4), made of mutually intersecting braiding parts (3), which encloses the inner hose (2). At least one of the braiding parts (3) or preferably all braiding parts (3) are configured here as single-part ribbons which thus replace multi-part braiding parts of such type formed by individual closely fitting wires or filaments. Here, a width of this ribbon is greater than its thickness and a wide side of the braiding parts (3) faces toward the inner hose (2). The peripheries (3a) of these ribbon-shaped braiding parts (3) have a tapered cross section, such that these peripheries (3a) extend tapering toward the outside and as a result permit an improved adaptation of intersecting braiding parts (3) even at the intersecting points (5).

Classifications:

International (IPC 8-9): D04C1/02 D04C1/06 F16L11/02 F16L11/10 F16L11/112 F16L11/12 F16L57/00 (Advanced/Invention)

CPC: F16L11/10 F16L11/02 D04C1/06 E03C1/025 F16L57/00

US: 138/124

**Family:**

Publication number	Publication date	Application number	Application date
■ CN104033671 A	20140910	CN201310335358	20130805
■ CN104033671 B	20180330	CN201310335358	20130805
■ CN203500695 U	20140326	CN201320471929U	20130805
■ DE102013003831 A1	20140911	DE201310003831	20130307
■ DE102013003831 B4	20160915	DE201310003831	20130307
■ DE502014004143 D1	20170727	DE201450004143T	20140121
■ EP2775184 A1	20140910	EP20140000205	20140121
■ EP2775184 B1	20170614	EP20140000205	20140121
■ ES2632277 T3	20170912	ES20140000205T	20140121
■ IN00307CH2014 A	20160701	IN2014CH00307	20140124
■ US2014251484 AA	20140911	US20140197842	20140305

Priority:

DE201310003831 20130307 EP20140000205 20140121

Probable Assignee: NEOPERL GMBH**Assignee(s):** (std): NEOPERL GMBH**Inventor(s):** (std): KURY WERNER ; WERNER KURY**Agent(s):** MAUCHER JENKINS; MAUCHER JENKINS PATENTANWALTE AND RECHTSANWALTE; RUMMLER FELIX; BOERJES PESTALOZZA HENRICH; LEHMANN MARIA ISABEL**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**9) Family number: 8275764 (US4275937A)**

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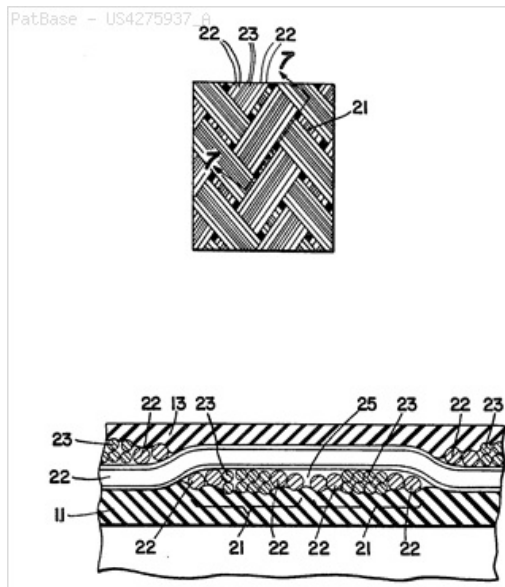
Title: Hose with braided reinforcement

Abstract: A hydraulic hose having a single ply of braided wire reinforcement over a rubber core tube. The single ply of reinforcement provides burst strength, impulse resistance and flexibility comparable to that of a conventional hose having two plies of braided wire reinforcement yet utilizes less wire by weight and is smaller in O.D. The single ply of reinforcement comprises braided strands, each strand including a plurality of wires of at least two different diameters symmetrically arranged and providing about 75-95 percent coverage of the core tube.

Classifications:

International (IPC 8-9): F16L11/08 (Advanced/Invention);
F16L11/08 (Core/Invention)

International (IPC 1-7): F16L11/08 F16L11/11**CPC:** F16L11/085 F16L11/086**European:** F16L11/08H F16L11/08H1**US:** 138/127 308/127

**Family:**

Publication number	Publication date	Application number	Application date
AU198169752 A1	19821028	AU19810069752	19810423
BR8102554 A	19821207	BR19810002554	19810427
GB2096726 A1	19821020	GB19810011540	19810413
US4275937 A	19810630	US19790076900	19790919

Priority:

US19790076900 19790919 GB19810011540 19810413 AU19810069752 19810423
 BR19810002554 19810427

Probable Assignee:

PARKER HANNIFIN CORP

Assignee(s): (std):

PARKER HANNIFIN CORP

Assignee(s):

PARKER INTANGIBLES INC

Inventor(s): (std):

BELOFSKY HAROLD

Inventor(s):

HAROLD BELOFSKY

Agent(s):

SHELSTON IP; SHELSTON IP PTY LTD

10) Family number: 29422533 (US4102724A)

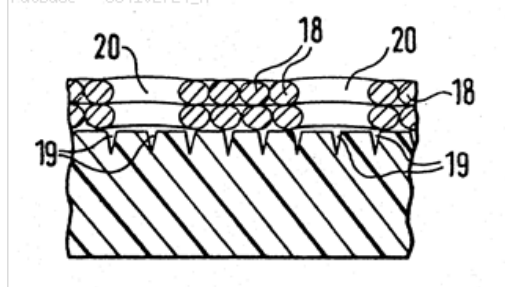
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Title: METHOD OF MAKING A HOSE HAVING AN IMPROVED SURFACE APPEARANCE

Abstract: A vulcanized reinforced elastomeric hose and a method for its production wherein a layer of uncured rubber supported on a mandrel is surrounded by reinforcement filaments and thereafter vulcanized. In the same method of the invention recesses are provided in the surface of the uncured rubber beneath the reinforcement filaments to accommodate expansion of the mandrel and/or expansion of the uncured rubber and/or shrinkage of the filaments and thereby prevent rubber from being exuded above the reinforcement filaments on curing.

Classifications:

International (IPC 8-9): B29B15/00 B29C53/00 B29C65/00
 B29C69/00 B29D23/00 B32B1/08 F16L11/08
 F16L11/10 (Advanced/Invention);
 B29B15/00 B29C53/00 B29C65/00 B29C69/00 (Advanced/Non-invention);
 B29B15/00 B29C53/00 B29C65/00 B29C69/00 B29D23/00
 F16L11/04 F16L11/08 (Core/Invention);
 B29D (Subclass/Invention)
International (IPC 1-7): B29D23/00 B29H7/14 B32B1/08 B32B1/10
 B32B31/04 F16L1/04 F16L11/04 F16L11/08
CPC: Y10T156/1064 B29D23/001 B29K2021/00 B29K2105/06
 F16L11/086 F16L11/10
European: B29D23/00T F16L11/08H1 F16L11/10 L29K105/06
 L29K21/00
US: 138/121 138/123 138/125 138/126 138/127 138/137 138/141 156/149 156/172 156/257

**Family:**

Publication number	Publication date	Application number	Application date
AU197612985 A1	19771020	AU19760012985	19760414
AU498619 B2	19790322	AU19760012985	19760414
BR7602860 A	19761116	BR19760002860	19760507
CA1065238 A1	19791030	CA19760249904	19760409
DE2616598 A1	19761125	DE19762616598	19760413
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Priority:

GB19750019918 19750512 GB19760019918 19760202

Probable Assignee: GOODYEAR CO

Assignee(s): (std): GOODYEAR CO ; GOODYEAR TIRE AND ROBBER CO ; GOODYEAR TIRE AND RUBBER ; THE GOODYEAR TIRE AND RUBBER CO

Assignee(s): TAYLOR CHALLENGER ; GOODYEAR TIRE RUBBER CO ; GOODYEAR TIRE AND RUBBER CO ; GOODYEAR TIRE AND RUBBER COMPANY THE ; GOODYEAR TIRE AND RUBBER CY ; THE GOODYEAR TIRE AND RUBBER COMPANY ; GOODYEAR TIRE RUBBER CO THE ; GOODYEAR TIRE AND ROBBER CO THE ; GOODYEAR TIRE AND ROBBER COMPANY THE

Inventor(s): (std): TAYLOR CHALLENGER EDWARD ; TAYLOR C E ; TAYLOR CHALLENGER E ; CHIYAREN II TEERAA ; CHALLENGER EDWARD TAYLOR ; TAYLOR C ; CE TAYLOR ; C E TAYLOR

Inventor(s): E TAYLOR CHALLENGER

Agent(s): SF; SPRUSON AND FERGUSON

11) Family number: 55714933 (US2015144219A)

PatBase

Title: TRANSFER HOSE, IN PARTICULAR FOR USE AT HIGH TEMPERATURES

Abstract: A transfer hose is configured having multiple layers and contains at least one inner layer and one transfer layer, wherein the transfer layer is structured from at least 20 wt percent of polyphenylsulfide (PPS) and/or polyoxadiazole (POD) and/or aramide (AR) and/or polyimide (PI) and/or polyether ether ketone (PEEK) and/or polyethylene-2,6-naphthalate (PEN) and/or polyphenylene (PPP) and/or polyphenylenoxide (PPO) and/or polyphenylsulfide (PPS) and/or polyphenylenether (PPE) and/or polybenzoxazole (PBO) and/or carbon fibers (CF) and/or metal fibers (MF). The hose-shaped article is in particular a turbocharger hose.

Classifications:

International (IPC 8-9): B32B1/08 F16L11/04 F16L11/10 F16L11/115 F16L11/20 (Advanced/Invention)

CPC: B32B1/08 F16L11/086 F16L11/088 F16L11/04 F16L11/125 B32B25/10 B32B25/14 B32B2262/02 B32B2262/0269 B32B2262/0276 B32B2262/103 B32B2262/106 B32B2597/00 F16L11/10

US: 138/137 138/139

PatBase - US2015144219_AA



Family:

Publication number	Publication date	Application number	Application date
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Priority:

DE201210107095 20120802 WO2013EP64107 20130704

Probable Assignee: CONTITECH SCHLAUCH GMBH

Assignee(s): (std): CONTITECH SCHLAUCH GMBH

Inventor(s): (std): BRUEHNE KLAUS ; SCHMELTER KLAUS ; LANGE RAINER ; TASSEKI METIN

Agent(s): PREUSSER ANDREA

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