

1) Family number: 68082005 (US2019331273A)

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Title: PRESS FITTING DEVICE

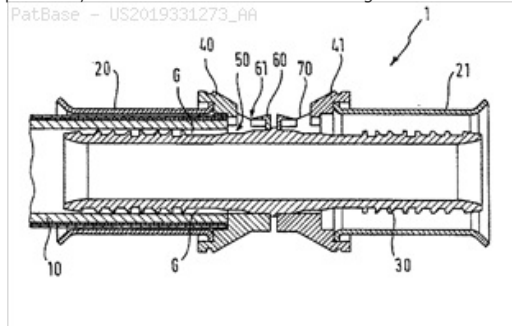
Abstract: A press fitting device (1) for establishing a fluid-tight connection with at least one pipe section (10), the press fitting device being configured to generate a sound when a gaseous fluid flows along or through the press fitting device a) in a pre-press fit condition, in which a connection with the at least one pipe section is established and before the connection is press-fit; and/or b) in a press fit condition, in which the connection is press-fit, if the connection is not fluid-tight.

Classifications:

International (IPC 8-9): F16L1/06 F16L13/14 F16L25/00 F16L33/20 F16L33/207 F16L33/22 F16L37/02 F16L55/00 F17D5/06 G01M3/24 (Advanced/Invention)

International (IPC 1-7): F16L13/14 F16L33/207

CPC: F16L13/148 F16L33/207 F16L37/02 F16L2201/30

**Family:**

Publication number	Publication date	Application number	Application date
AU2017288521 AA	20190117	AU20170288521	20170629
BR112018077332 A2	20190402	BR20181177332	20170629
CA3027924 AA	20181214	CA20173027924	20170629
CN109416139 A	20190301	CN201780040151	20170629
CO20190000182 A2	20190118	CO20190000182	20190110
EP3479000 A1	20190508	EP20170733846	20170629
JP2019527322 T2	20190926	JP20180567845T	20170629
KR20190022625 A	20190306	KR20197000755	20170629
MX2018015881 A1	20190801	MX20180015881	20170629
NL1041958 B1	20180105	NL20161041958	20160629
US2019331273 AA	20191031	US20170310755	20170629
WO18002227 A1	20180104	WO2017EP66140	20170629

Priority:

NL20161041958 20160629 WO2017EP66140 20170629

Probable Assignee: WAVIN BV

Assignee(s): (std): WAVIN BV

Assignee(s): DE GROOT MARC HERWIN ; EKKEL RONALD ; NIJMAN GERRIT JAN ; VAN LEEUWEN RUURD JOHAN BEREND ; VOS BASTIAAN

Inventor(s): (std): VOS BASTIAAN ; NIJMAN GERRIT JAN ; VAN LEEUWEN RUURD JOHAN BEREND ; DE GROOT MARC HERWIN ; EKKEL RONALD ; GERRIT JAN NIJMAN ; RUURD JOHAN BEREND VAN LEEUWEN ; DRS RONALD EKKEL ; BASTIAAN VOS ; MARC HERWIN DE GROOT ; RONALD EKKEL

Agent(s): SPRUSON AND FERGUSON; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; HOFFMANN EITL; HOFFMANN EITL PATENT U RECHTSANWAELTE PARTMBB ASSOCIATION 151 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 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 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

2) Family number: 56529119 (DE102012111337A1)

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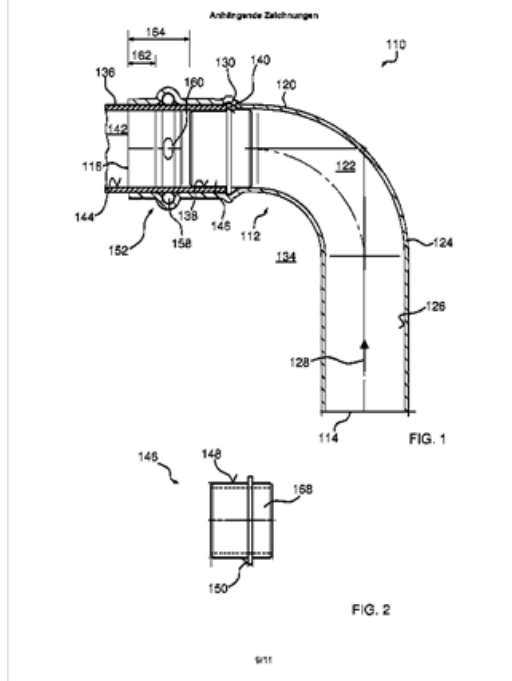
Title: CONNECTION UNIT FOR MECHANICAL SEALING CONNECTION OF COMPOSITE UNIT WITH BUILDING SERVICE SYSTEM COMPONENT, HAS SLEEVE ELEMENT ARRANGED PARTIALLY WITHIN CAVITY AND PROVIDED WITH CONTACT SURFACE CONTACTING WITH COMPONENT CONTACT SURFACE

Abstract: The connection unit (112) has a hollow portion (120) having a cavity (122) that is provided with a limiting wall (124). The limiting wall bounds the through holes (114,116) of the hollow portion to an outside space (134). A sealing unit (152) is arranged in a region of the through holes. A sleeve element (146) is arranged partially within the cavity in an operational state and is provided with a contact surface (148) that contacts with a corresponding contact surface (138) of a component (136) in the operational state.

Classifications:

International (IPC 8-9): F16L21/025 F16L43/00 (Advanced/Invention)

CPC: F16L13/142 F16L13/148

**Family:**

Publication number	Publication date	Application number	Application date
DE102012111337 A1	20140528	DE201210111337	20121123

Priority:

DE201210111337 20121123

Probable Assignee: NOATZKE VERWALTUNGS GMBH**Assignee(s):** (std): NOATZKE VERWALTUNGS GMBH**Inventor(s):** (std): FISCHER FRANK ; NOATZKE RALF HORST ; BREDE PETER HANS**3) Family number: 41143381** (EP1882876A1)

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Title: DEVICE FOR JOINING DUCTS, IN PARTICULAR FOR FLEXIBLE DUCTS

Abstract: A device (1) for joining ducts, in particular flexible ducts, includes at least a tubular element (2) having an inlet (2a) and an outlet (2b) and a conduit (3) for setting in fluid communication the inlet (2a) with the outlet (2b), wherein the tubular element (2) shows an additional opening (9) acting between the conduit (3) and an outer surface of the tubular element (2) in order to allow a fluid passage from the conduit (3) towards the external environment when a duct is fitted on the tubular element (2). The device further includes a sealing element (7), which can be interposed between the tubular element (2) and the duct fitted on the same, and deformable for inhibiting in a controlled way a fluid communication between the conduit (3) and the outer surface of the tubular element (2).

Classifications:

International (IPC 8-9): F16L33/207 (Advanced/Invention);
F16L33/20 (Core/Invention)

CPC: F16L13/143 F16L13/148 F16L33/2075 F16L2201/30

European: F16L13/14B6 F16L13/14H F16L33/207B2B R16L201/30

Publication number	Publication date	Application number	Application date
EP1882876 A1	20080130	EP20060425527	20060726

EP20060425527 20060726

Assignee(s): (std): I V A R S P A ; IVAR SPA

Agent(s): GALASSI ALESSANDRO

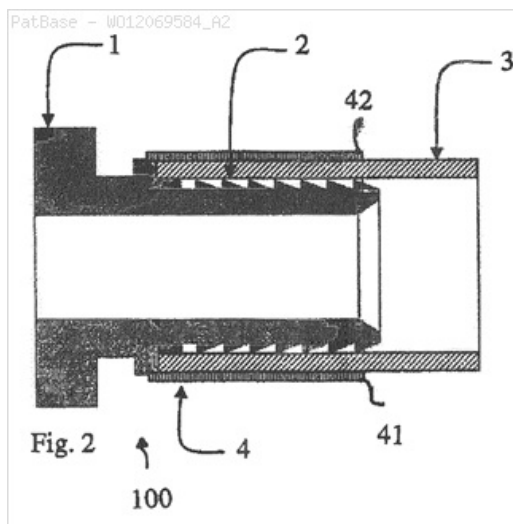
SE SI SK TR YU

Abstract: A press fitting for connecting pipes or for attaching a pipe, comprising a press sleeve provided at a pipe- side edge with an annular element, the annular element being configured to interact with a compression tool in order to guide the compression tool, the annular element being configured to undergo a change in its appearance once a predetermined action of the compression tool is completed.

International (IPC 8-9): F16L13/14 F16L33/207 F16L37/092
F16L37/10 F16L47/00 (Advanced/Invention)

CPC: F16L13/143 F16L13/148 F16L33/2075 F16L37/091 F16L2201/10
F16L2201/30 F16L13/141 F16L33/2073

European: F16L13/14B F16L13/14B6 F16L13/14H F16L33/207B2
F16L33/207B2B F16L37/091 R16L201/10 R16L201/30



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Publication number	Publication date	Application number	Application date
DE202010012981 U1	20110224	DE201020012981U	20101124
DE202011101106 U1	20121018	DE201120101106U	20110526
DE602011031511 D1	20161201	DE201160031511T	20111124
EP2643624 A2	20131002	EP20110790753	20111124
EP2643624 B1	20161019	EP20110790753	20111124
FR2967750 A1	20120525	FR20110000782	20110314
FR2967750 B1	20130419	FR20110000782	20110314
RU2013128098 A	20141227	RU20130128098	20111124
RU2575218 C2	20160220	RU20130128098	20111124
UA113050 C2	20161212	UA20130007944	20111124
WO12069584 A2	20120531	WO2011EP70929	20111124
WO12069584 A3	20120907	WO2011EP70929	20111124

Priority:

DE201020012981U 20101124 FR20110000782 20110314 DE201120101106U 20110526
WO2011EP70929 20111124 EP20110790753 20111124

Probable Assignee: ALIAXIS R AND D

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Assignee(s): RACCORDS ET PLASTIQUES NICOLL

Inventor(s): (std): MAUDET MICHEL

Inventor(s): MICHEL MAUDET

Agent(s): 24IP LAW GROUP SONNENBERG FORTMANN; SONNENBERG FRED; 24IP LAW GROUP FRANCE

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 QA 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

5) Family number: 17003773 (DE29920371U1)

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Title: Connection element

Abstract: Source: DE29920371U1 [DE] (Claim 1) 1. Anschlusselement fuer ein Leitungssystem, das mit mindestens einem Rohr (60, 60 ') des Leitungssystems koppelbar ist, mit einer zur Aufnahme eines axialen Endes (60 a) des Rohres (60) dienenden Presshuelle (40, 40 ') aus einem plastisch verformbaren Material, dadurch gekennzeichnet, dass der Presshuelle (40, 40 ') eine zwischen deren innerer Begrenzungsflaeche und der aeuusseren Begrenzungsflaeche des darin aufzunehmenden Rohres (60, 60 ') positionierbare Zwischenlage (50) zugeordnet ist. **Machine translation:** (1) 1. Connection element for a line system having at least one pipe (60, 60') of the line system is coupleable with a for receiving an axial end (60 a) of the tube (60) (40, 40 ') serving ferrule of a plastically deformable material, characterized in that the press sleeve (40, 40') has a between their inner boundary surface and the outer boundary surface of the volume of sample to be received therein tube (60, 60 ') positionable between location (50).

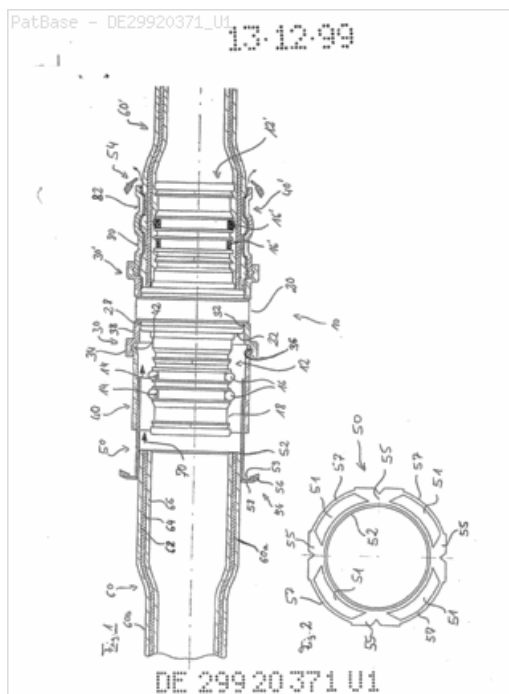
Classifications:

International (IPC 8-9): F16L13/14 F16L33/207 (Advanced/Invention); F16L13/14 F16L33/20 (Core/Invention)

International (IPC 1-7): F16L13/14 F16L47/04

CPC: F16L13/143 F16L33/2078 F16L2201/10

European: F16L13/14 F16L13/14B6 F16L33/207B4 R16L201/10



Family:

Publication number	Publication date	Application number	Application date
DE29920371 U1	20000224	DE19992020371U	19991119

Priority:

DE19992020371U 19991119

Probable Assignee: HERZ ARMATUREN GMBH

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