

Title (en)
TOOL DEVICE FOR THE CONNECTION OF A PLASTICS PIPE OR OF A COMPOSITE METAL/PLASTICS PIPE TO A FITTING BY WAY OF A SLIDING SLEEVE OR COMPRESSION SLEEVE

Title (de)
WERKZEUGVORRICHTUNG ZUM ANSCHLUSS EINES KUNSTSTOFFROHRES ODER EINES METALL-KUNSTSTOFF-VERBUNDROHRES AN EINEN FITTING MIT EINER SCHIEBE- ODER PRESSHUELSE

Title (fr)
DISPOSITIF FORMANT OUTIL PERMETTANT DE RACCORDER UN TUYAU EN MATIÈRE PLASTIQUE OU UN TUYAU COMPOSÉ DE MÉTAL ET DE MATIÈRE PLASTIQUE À UN RACCORD AU MOYEN D'UN MANCHON COULISSANT OU PRESSEUR

Publication
EP 2928647 B1 20171101 (DE)

Application
EP 13798936 A 20131126

Priority
• DE 202012104763 U 20121207
• EP 2013003556 W 20131126

Abstract (en)
[origin: WO2014086464A1] The present invention relates to a tool device (1) for the connection of a plastics pipe or of a composite metal/plastics pipe to a fitting by way of a sliding sleeve or compression sleeve, wherein the tool device (1) comprises a housing (2); an expanding device (3) for expanding the ends of the plastics pipe or of the composite metal/plastics pipe; a sliding device (4) for sliding on the sliding sleeve or a pressing device for pressing on the compression sleeve; and a mechanically operable drive element (5) which is actuable in a switchable manner in order to drive the expanding device (3) or to drive the sliding device or pressing device (4), wherein the expanding device (3) comprises a first piston-cylinder unit (6), the working piston (8) of which has a piston axis (9) and which has an inner end (10) and an end (11) directed away from the tool device (1), and the sliding device (4) or the pressing device comprises a second piston-cylinder unit (12), the working piston (13) of which has a second piston axis (14) and which has an inner end (15) and an end (16) directed away from the tool device (1), wherein the piston axes (9, 14) extend in a manner parallel to one another, and wherein a perpendicular projection of the inner end of the expanding device (3) onto the piston axis (14) of the sliding device (4) or of the pressing device is located between the inner end (15) and that end (16) of the sliding device (4) or of the pressing device that is directed away from the tool device (1), and/or wherein a perpendicular projection of the inner end (15) of the sliding device (4) or of the pressing device onto the piston axis (9) of the expanding device (3) is located between the inner end (10) and that end (11) of the expanding device (3) that is directed away from the tool device (1). Furthermore, the present invention relates to the use of a tool device (1) according to the invention for the connection of a plastics pipe or of a composite metal/plastics pipe to a fitting by way of a sliding sleeve or compression sleeve.

IPC 8 full level
B25B 27/10 (2006.01)

CPC (source: CN EP RU US)
B25B 27/10 (2013.01 - CN EP RU US); **Y10T 29/49941** (2015.01 - EP US); **Y10T 29/5367** (2015.01 - EP US)

Designated contracting state (EPC)
AL AT 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

DOCDB simple family (publication)
DE 202012104763 U1 20140311; AU 2013354479 A1 20140612; CN 104968475 A 20151007; CN 104968475 B 20161207; EP 2928647 A1 20151014; EP 2928647 B1 20171101; RU 2015127094 A 20170112; RU 2647068 C2 20180313; US 2015336250 A1 20151126; US 9586310 B2 20170307; WO 2014086464 A1 20140612

DOCDB simple family (application)
DE 202012104763 U 20121207; AU 2013354479 A 20131126; CN 201380072394 A 20131126; EP 13798936 A 20131126; EP 2013003556 W 20131126; RU 2015127094 A 20131126; US 201314732898 A 20131126