

Title (en)

METHOD FOR CONNECTING A DRILL HEAD TO A DRILL PIPE AND DEVICE FOR HOLDING A DRILL HEAD

Title (de)

VERFAHREN ZUM VERBINDEN EINES BOHRKOPFES MIT EINEM BOHRGESTÄNGE SOWIE VORRICHTUNG ZUM HALTEN EINES BOHRKOPFES

Title (fr)

PROCÉDÉ POUR RELIER UNE TÊTE DE FORAGE À UN TRAIN DE TIGES AINSI QUE DISPOSITIF POUR RETENIR UNE TÊTE DE FORAGE

Publication

EP 2898176 A2 20150729 (DE)

Application

EP 13766933 A 20130919

Priority

- DE 102012216917 A 20120920
- EP 2013069515 W 20130919

Abstract (en)

[origin: WO2014044774A2] The invention relates to a method for connecting a drill head (44), provided for earth drilling (deep drilling), to an element (58) of a drill pipe, and also to a method (10) for the form-fitting holding of a drill head (44) provided for earth drilling. The invention is based on the problem of providing a method and a device (10) for the form-fitting holding of a drill head (44) provided for earth drilling, which simplify the connection of a drill head (44) to an element (58) of a drill pipe. A device (10) according to the invention for the form-fitting holding of a drill head (44) provided for earth drilling comprises the following elements: a) a claw-like holding structure (12) for at least partially engaging around a gripping section (48) formed above a drill head (44), and b) a housing (14) having a circular or polygonal outer contour for holding in a clamping manner by way of a clamping/screwing device, said housing (14) being connected or connectable to the holding structure (12) for conjoint rotation.

IPC 8 full level

E21B 19/18 (2006.01); **E21B 17/04** (2006.01)

CPC (source: EP US)

E21B 17/04 (2013.01 - EP US); **E21B 17/042** (2013.01 - US); **E21B 19/18** (2013.01 - EP US)

Citation (search report)

See references of WO 2014044774A2

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102012216917 A1 20140320; EP 2898176 A2 20150729; EP 2898176 B1 20201014; US 2015218897 A1 20150806; US 9945195 B2 20180417; WO 2014044774 A2 20140327; WO 2014044774 A3 20140515

DOCDB simple family (application)

DE 102012216917 A 20120920; EP 13766933 A 20130919; EP 2013069515 W 20130919; US 201314429024 A 20130919