

Title (en)

DRILL STRING GUIDING DEVICE AND METHOD OF JOINING DRILL STRING COMPONENTS WITH SUCH A DEVICE

Title (de)

BOHRSTRANGFÜHRUNGSVORRICHTUNG UND VERFAHREN ZUR VERBINDUNG VON BOHRSTRANGKOMPONENTEN MIT SOLCH EINER VORRICHTUNG

Title (fr)

DISPOSITIF DE GUIDAGE DE TRAIN DE TIGES ET PROCÉDÉ D'ASSEMBLAGE DE COMPOSANTS DE TRAIN DE TIGES AVEC UN TEL DISPOSITIF

Publication

EP 3361039 A1 20180815 (EN)

Application

EP 17155841 A 20170213

Priority

EP 17155841 A 20170213

Abstract (en)

A drill string guiding device (2) for holding elongate drill string components (3, 3', 3'') during assembling or disassembling of a drill string (4) in a drilling operation, the drill string guiding device (2) comprising a frame (6) with an opening (7) through which the drill string (4) is arranged to protrude during operation, the drill string (4) extending in an axial direction (A 1). A holding device (8) is arranged, and a positioning device (13) is arranged on the frame (6) for positioning the holding device (8) between an inactive position and an active gripping position in which it is arranged to hold the drill string component (3') as an adjacent drill string component (3) is being connected thereto or removed therefrom. The holding device (8) comprises a guiding support (11) comprising upper, lower and side portions arranged to partially enclose and fix a section of said first drill string component (3') and a guiding support (11) with at least one guide surface (12a, 12b) for aligning said drill string component (3').

IPC 8 full level

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CPC (source: EP)

E21B 7/046 (2013.01); **E21B 19/16** (2013.01); **E21B 19/161** (2013.01); **E21B 19/24** (2013.01)

Citation (applicant)

WO 2005068772 A1 20050728 - ATLAS COPCO ROCK DRILLS AB [SE], et al

Citation (search report)

- [X] EP 2351903 A2 20110803 - TERRA AG TIEFBAUTECHNIK [CH]
- [X] WO 2016005701 A2 20160114 - SOLETANCHE FREYSSINET [FR]
- [X] US 2015315858 A1 20151105 - GASKIN KEITH [GB], et al
- [XA] WO 2014066368 A2 20140501 - PILGRIM RICK [US]

Citation (examination)

- US 2015300103 A1 20151022 - NOORDSTRAND ALEXANDER MICHAEL [NL]
- CN 102777137 A 20121114 - LIANYUNGANG HUANGHAI MACHINERY CO LTD
- US 2009056930 A1 20090305 - ANGELLE JEREMY R [US], et al
- US 2004049905 A1 20040318 - JANSCH MANFRED [DE], et al

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