Title (en)
DEVICE AND METHOD FOR HANDLING DRILL STRING COMPONENTS IN ROCK DRILLING AND ROCK DRILL RIG

Title (de)
VORRICHTUNG UND VERFAHREN ZUR HANDHABUNG VON BOHRGESTÄNGETEILEN SOWIE GESTEINSBOHRGESTELL

Title (fr)
DISPOSITIF ET PROCÉDÉ POUR MANIPULER DES COMPOSANTS DE TRAIN DE TIGES DANS UN FORAGE DE ROCHE ET PLATE-FORME DE FORAGE DE ROCHE

Publication
EP 2867438 B1 20180822 (EN)

Application
EP 13810172 A 20130625

Priority
• SE 1250727 A 20120628
• SE 2013050760 W 20130625

Abstract (en)

[origin: WO2014003646A1] A handling device for handling drill with a gripper shuttle (40) which is drivingly displaceable along a guiding beam (19) being fastenable to the drill rig in order to extend in a direction from the feed beam while forming an angle therewith, wherein the gripper shuttle (40) has a pivotally arranged guiding gripper (41) for in a first position in a first outermost position on the guiding beam grip a first end portion of a drill string component (8), being intended for lifting from a position outside the rig, the other end portion of which being intended to be in threaded engagement with a lifting plug or the like for co-operation with said lifting winch, and wherein the gripper shuttle (40) in a second position in a second inner position on the guiding beam adjacent to the feed beam (2) is arranged with the guiding gripper (41) to line up said gripped drill string component in the region of the drill string position.

IPC 8 full level
E21B 19/15 (2006.01)

CPC (source: CN EP KR SE US)
E21B 3/022 (2020.05 - KR); **E21B 3/025** (2013.01 - CN EP KR SE US); **E21B 19/15** (2013.01 - CN EP US); **E21B 19/155** (2013.01 - KR SE 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)
WO 2014003646 A1 20140103; AU 2013281269 A1 20150115; AU 2013281269 B2 20170216; BR 112014032289 A2 20170627; BR 112014032289 B1 20201201; CL 2014003424 A1 20150406; CN 104411914 A 20150311; CN 104411914 B 20170426; EP 2867438 A1 20150506; EP 2867438 A4 20160127; EP 2867438 B1 20180822; KR 102095610 B1 20200331; KR 20150031420 A 20150324; PE 20150285 A1 20150219; SE 1250727 A1 20131229; SE 536563 C2 20140225; US 2015152697 A1 20150604; ZA 201408936 B 20160629

DOCDB simple family (application)
SE 2013050760 W 20130625; AU 2013281269 A 20130625; BR 112014032289 A 20130625; CL 2014003424 A 20141217; CN 201380035532 A 20130625; EP 13810172 A 20130625; KR 20147035564 A 20130625; PE 2014002530 A 20130625; SE 1250727 A 20120628; US 201314407832 A 20130625; ZA 201408936 A 20141205