

Title (en)

METHOD, APPARATUS AND HOLDER FOR MOUNTING OF A DRILL BIT

Title (de)

VERFAHREN, VORRICHTUNG UND HALTER ZUR MONTAGE EINES BOHRMEISSELS

Title (fr)

PROCÉDÉ, APPAREIL ET DISPOSITIF DE MAINTIEN DESTINÉS AU MONTAGE D'UN TRÉPAN

Publication

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Application

EP 17875615 A 20171031

Priority

- SE 1651565 A 20161129
- SE 2017051073 W 20171031

Abstract (en)

[origin: WO2018101870A1] Herein a method (100), a device (21) and a holder (17) for rock drilling is described. The method (100) comprises the steps of: aligning (101) a drill rod (3) arranged at a first drilling unit (11) by using a first arm (9) towards a drill bit (1) placed in a fixedly arranged holder (17) adapted to hold at least two drill bits so that the axis of rotation of the drill rod (Ab) substantially coincides with an axis of rotation (Ak) of the drill bit (1), wherein a free movement of the first drilling unit (11) in relation to the holder (17) is permitted, to displace (103) the drill bit (3) axially forward towards the drill bit (1) to a first position of the drill bit (3) permitting mounting of the drill bit (1), mounting (105) the drill bit (1) on the drill rod (3) and displacing (107) the drill rod (3) axially backward to a second position in which the drill bit (1) has been removed from the holder (17).

IPC 8 full level

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CPC (source: EP RU SE)

E21B 7/025 (2013.01 - EP); **E21B 12/00** (2013.01 - EP); **E21B 19/14** (2013.01 - SE); **E21B 19/18** (2013.01 - EP RU SE)

Citation (search report)

- [X] US 3976149 A 19760824 - GRANHOLM SVEN, et al
- [XP] EP 3153654 A1 20170412 - SANDVIK MINING & CONSTRUCTION OY [FI]
- [A] WO 2009156575 A1 20091230 - SANDVIK MINING & CONSTR OY [FI], et al
- See references of WO 2018101870A1

Designated contracting state (EPC)

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WO 2018101870 A1 20180607; AU 2017366970 A1 20190530; AU 2017366970 B2 20230413; CA 3043152 A1 20180607; CL 2019001291 A1 20190705; CN 110036176 A 20190719; CN 110036176 B 20211026; EP 3548691 A1 20191009; EP 3548691 A4 20200930; EP 3548691 B1 20230607; EP 3548691 C0 20230607; RU 2019120025 A 20210111; RU 2019120025 A3 20210219; RU 2750372 C2 20210628; SE 1651565 A1 20180530; SE 541693 C2 20191126; ZA 201902985 B 20231220

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