

Title (en)

ROTATION UNIT, ROCK DRILLING UNIT AND METHOD FOR ROCK DRILLING

Title (de)

DREHEINHEIT, GESTEINSBOHREINHEIT UND GESTEINSBOHRVERFAHREN

Title (fr)

UNITÉ ROTATIVE, UNITÉ FOREUSE DE ROCHE ET PROCÉDÉ DE FORAGE DE ROCHE

Publication

EP 2697469 A1 20140219 (EN)

Application

EP 12770573 A 20120413

Priority

- FI 20115366 A 20110415
- FI 2012050364 W 20120413

Abstract (en)

[origin: WO2012140326A1] The invention relates to a rotation unit, rock drilling unit and method for rock drilling. The rotation unit comprises a main shaft (17) that is rotated around its longitudinal axis by means of a rotating motor (16). The main shaft is supported to a body (23) of the rotation device (7) slidingly in the axial direction. This slide property is utilized when connection threads of drilling equipment (9) and drilling components (10) comprised by it are connected.

IPC 8 full level

E21B 3/02 (2006.01); **E21B 19/16** (2006.01)

CPC (source: EP FI KR US)

E21B 3/022 (2020.05 - EP FI KR US); **E21B 4/20** (2013.01 - EP FI KR US); **E21B 7/025** (2013.01 - KR US); **E21B 19/16** (2013.01 - EP FI KR 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 2012140326 A1 20121018; AU 2012241674 A1 20131031; CA 2829144 A1 20121018; CL 2013002912 A1 20140801; CN 103477014 A 20131225; EP 2697469 A1 20140219; FI 123185 B 20121214; FI 20115366 A0 20110415; FI 20115366 A 20121016; JP 2014510862 A 20140501; KR 20140009490 A 20140122; US 2014034387 A1 20140206; ZA 201307154 B 20140625

DOCDB simple family (application)

FI 2012050364 W 20120413; AU 2012241674 A 20120413; CA 2829144 A 20120413; CL 2013002912 A 20131011; CN 201280018641 A 20120413; EP 12770573 A 20120413; FI 20115366 A 20110415; JP 2014504366 A 20120413; KR 20137030174 A 20120413; US 201214111748 A 20120413; ZA 201307154 A 20130923