

Title (en)

ARRANGEMENT AND METHOD FOR DETERMINING THE POSITION OF A ROCK REINFORCING BOLT

Title (de)

ANORDNUNG UND VERFAHREN ZUR BESTIMMUNG DER POSITION EINES FELSVERTÄRKUNGSBOLZENS

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR DÉTERMINER LA POSITION D'UN BOULON DE CONSOLIDATION DE ROCHE

Publication

EP 2041395 B1 20170419 (EN)

Application

EP 07748210 A 20070607

Priority

- SE 2007000547 W 20070607
- SE 0601569 A 20060717

Abstract (en)

[origin: WO2008010757A1] The present invention relates to a method for determining the position of at least one rock reinforcing bolt in a tunnel or a mine, with the bolt installation being arranged to be carried out by means of a drilling rig, with the said drilling rig comprising at least one boom with a first end and a second end, with the said first end being attached to a carrier via at least one articulated connection, and with the said boom being arranged to carry an installation tool. The method comprises the steps of determining a position of the said carrier using means arranged on the drilling rig, determining at least one angle of rotation for the said boom in relation to the carrier by determination of an angle of rotation for the said articulated connection, and determining the position of the rock reinforcing bolt in the tunnel or mine on the basis of the said position of the carrier and the said determined angle of rotation. The invention also relates to an arrangement.

IPC 8 full level

E21D 20/00 (2006.01); **E21B 7/02** (2006.01); **E21B 47/09** (2012.01)

CPC (source: EP SE)

E21B 7/022 (2013.01 - EP); **E21B 7/025** (2013.01 - EP); **E21B 47/09** (2013.01 - EP SE); **E21D 20/003** (2013.01 - EP SE)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2008010757 A1 20080124; **WO 2008010757 A9 20080508**; **WO 2008010757 A9 20080619**; EP 2041395 A1 20090401; EP 2041395 A4 20150819; EP 2041395 B1 20170419; SE 0601569 L 20080118; SE 530113 C2 20080304

DOCDB simple family (application)

SE 2007000547 W 20070607; EP 07748210 A 20070607; SE 0601569 A 20060717