

Title (en)

ROCK DRILLING UNIT, FEED BEAM, AND METHOD FOR DAMPING VIBRATION

Title (de)

STEINBOHREINHEIT, VORSCHUBBALKEN UND SCHWINGUNGSDÄMPFUNGSVERFAHREN

Title (fr)

UNITÉ DE FORAGE DE ROCHES, LEVIER DE BATTAGE ET PROCÉDÉ D'AMORTISSEMENT DES VIBRATIONS

Publication

EP 2475839 A1 20120718 (EN)

Application

EP 10815037 A 20100901

Priority

- FI 20095923 A 20090908
- FI 2010050680 W 20100901

Abstract (en)

[origin: WO2011029992A1] The invention relates to a rock drilling unit, feed beam, and method for damping vibration in a rock drilling unit. In the rock drilling unit (3), a damping element (13) is arranged between the joint surfaces of two inter-connected components to damp vibration and prevent its transmission on in the structure of the drilling unit. The feed beam (6) may be divided into two or more parts (6a, 6b) with a damping element of possibly elastic material arranged between them.

IPC 8 full level

B25D 17/24 (2006.01); **E21B 7/02** (2006.01); **E21B 19/08** (2006.01)

CPC (source: EP FI)

B25D 17/24 (2013.01 - FI); **E21B 7/02** (2013.01 - EP); **E21B 7/025** (2013.01 - EP FI); **E21B 19/08** (2013.01 - FI); **F16F 15/08** (2013.01 - EP)

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2011029992 A1 20110317; AU 2010294119 A1 20120503; AU 2010294119 B2 20140403; CA 2772587 A1 20110317; CA 2772587 C 20140121; CN 102575500 A 20120711; CN 102575500 B 20140917; EP 2475839 A1 20120718; EP 2475839 A4 20180214; FI 20095923 A0 20090908; FI 20095923 A 20110309; JP 2013503990 A 20130204; JP 5330602 B2 20131030; ZA 201202471 B 20121227

DOCDB simple family (application)

FI 2010050680 W 20100901; AU 2010294119 A 20100901; CA 2772587 A 20100901; CN 201080040143 A 20100901; EP 10815037 A 20100901; FI 20095923 A 20090908; JP 2012527362 A 20100901; ZA 201202471 A 20120404