

Title (en)

DTH-HAMMER DRILLING DEVICE AND OVERBURDEN DRILLING METHOD

Title (de)

SENKHAMMER-BOHRVORRICHTUNG UND VERFAHREN ZUM BOHREN DES ABRAUMS

Title (fr)

DISPOSITIF DE FORAGE EN PERCUSSION DANS LE Puits ET PROCÉDÉ DE FORAGE DE COUVERTURE

Publication

EP 1907663 B1 20130220 (EN)

Application

EP 06743121 A 20060607

Priority

- EP 2006005427 W 20060607
- EP 05012538 A 20050610
- EP 06743121 A 20060607

Abstract (en)

[origin: EP1731708A1] The device has a down-the-hole hammer with a percussion drill bit. A drill pipe (2) is arranged with a channel for cuttings. A supply channel is provided for a flushing medium and a flushing medium supply device. A seal (18) is arranged for sealing a borehole against a borehole opening. The seal is provided at a fixed distance from a drill head (6). An overlapping pipe is connected to the percussion drill bit. An independent claim is also included for a method for drilling.

IPC 8 full level

E21B 21/12 (2006.01); **E21B 7/20** (2006.01); **E21B 33/126** (2006.01)

CPC (source: EP US)

E21B 7/20 (2013.01 - EP US); **E21B 10/38** (2013.01 - EP US); **E21B 21/12** (2013.01 - EP US); **E21B 33/126** (2013.01 - EP US)

Cited by

WO2016115221A1; US10260295B2; US11448021B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1731708 A1 20061213; EP 1731708 B1 20070808; AP 2007004293 A0 20071231; AT E369481 T1 20070815; AU 2006256971 A1 20061214; CA 2654785 A1 20061214; CN 101203656 A 20080618; DE 502005001190 D1 20070920; EA 014437 B1 20101230; EA 200800001 A1 20080630; EP 1907663 A1 20080409; EP 1907663 B1 20130220; US 2009101413 A1 20090423; WO 2006131339 A1 20061214; ZA 200800106 B 20090826

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