

Title (en)
Sledgehammer drilling apparatus and method

Title (de)
Senkhammer-Bohrvorrichtung und -verfahren

Title (fr)
Appareil de forage à marteau à percussion et procédé associé

Publication
EP 1731708 B1 20070808 (DE)

Application
EP 05012538 A 20050610

Priority
EP 05012538 A 20050610

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
WO2009031963A1; WO2020207616A1; WO2013156667A1

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR LV MK YU

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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