

Title (en)

DRILLING UNIT, METHOD FOR SLOT DRILLING AND SLOTTING DEVICE

Title (de)

BOHREINHEIT, VERFAHREN ZUM LANGLOCHBOHREN UND SCHLITZVORRICHTUNG

Title (fr)

UNITE DE FORAGE, PROCEDE DE PERÇAGE DE RAINURE ET DISPOSITIF DE RAINURAGE

Publication

**EP 2257687 A1 20101208 (EN)**

Application

**EP 08736810 A 20080403**

Priority

FI 2008050161 W 20080403

Abstract (en)

[origin: WO2009122001A1] A slotting device (100) to be used with a rock drilling apparatus (1) to drill closely together a plurality of parallel intersecting holes so as to form a slot in a brittle material, such as rock, masonry or concrete. The slotting device (100) includes a guide portion (110) connected to a body portion (120) with at least one strut (130). The guide portion (110) is disposed in a previously drilled hole, and the body portion (120) and a rotary percussion tool (7) mutually define a variable volume chamber (140) that contains flushing fluid that damps transmission of impact stress waves from a percussion device (4) of the drilling apparatus (1) to the slotting device (100).

IPC 8 full level

**E21B 19/24** (2006.01); **E21B 7/28** (2006.01); **E21C 25/58** (2006.01)

CPC (source: EP US)

**E21B 19/24** (2013.01 - EP US); **E21C 25/58** (2013.01 - EP US)

Citation (search report)

See references of WO 2009122001A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

**FI 2008050161 W 20080403**; AU 2008353952 A 20080403; CA 2714983 A 20080403; CN 200880128399 A 20080403; EP 08736810 A 20080403; JP 2011502404 A 20080403; US 93579308 A 20080403; ZA 201006643 A 20100916