

Title (en)
Device for splitting solid materials

Title (de)
Vorrichtung zum Spalten von festen Materialien

Title (fr)
Dispositif de séparation de matériaux solides

Publication
EP 2489823 B1 20130710 (DE)

Application
EP 12153379 A 20120131

Priority
CH 2852011 A 20110218

Abstract (en)
[origin: EP2489823A1] The device (1) has a drilling device (4) attached at a working head (24). A splitting device (5) i.e. hydraulically driven splitting cylinder (51), is attached to the working head, and generates gap force that acts at right angle to a bore axis and parallel to an axis (26) in a drilled hole in a working position. The working head is rotated at another axis (27) in relation to a carriage (2) such that either the drilling device or the splitting device is alternately brought into the working position by rotating the head at the latter axis and moving the head along the former axis. The drilling device is a drill machine, a percussion drill or a core drill. An independent claim is also included for a method for splitting a fixed material.

IPC 8 full level
E21B 7/02 (2006.01)

CPC (source: EP)
E21B 7/02 (2013.01); **E21B 7/025** (2013.01)

Cited by
DE102016125158A1; CN107413426A; CN109838243A; CN105545306A; RU2731967C2; EP3299138A1; CN110486014A; CN114060028A; CN110486013A; CN111594212A; AT14806U1; EP3085887A1; CN110486015A; CN109580277A; EP3339568A1; CN109612771A; DE102017119913A1

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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2489823 A1 20120822; EP 2489823 B1 20130710; CH 704534 A1 20120831

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