

Title (en)

DEVICE TO CUT, DRILL OR SIMILARLY MACHINE ROCK, ORE, CONCRETE OR SIMILAR

Publication

EP 0362292 B1 19910306 (DE)

Application

EP 88905802 A 19880705

Priority

- DE 3726733 A 19870811
- DE 3739825 A 19871124

Abstract (en)

[origin: WO8901396A1] To cut, bore or similarly machine rock, ore, stratified coal or other objects, a medium is delivered under high pressure through a supply pipe (12) to a nozzle (3). The supply pipe is designed as a pendulum-type pipe (30), in particular in the form of a flexible high-pressure hose, and executes, together with the nozzle (3), rapid, for example oscillating and/or circular, movements along a guide (6). In this way, straight cuts and/or holes can be made very rapidly and simply in rock. The cut width (C) can be controlled by the arrangement and fitting in particular of a plurality of nozzles (5), depending on the rock and pressure medium. In particular, an eccentric element (32, 103) which functions as a drive mechanism permits a circular movement of the nozzle.

IPC 1-7

B05B 3/00; **B26F 3/00**; **E21B 7/18**; **E21C 25/60**

IPC 8 full level

B05B 3/00 (2006.01); **B26F 3/00** (2006.01); **B28D 1/00** (2006.01); **E21B 7/18** (2006.01); **E21C 25/60** (2006.01)

CPC (source: EP US)

B05B 3/00 (2013.01 - EP US); **B26F 3/004** (2013.01 - EP US); **B28D 1/00** (2013.01 - EP US); **E21B 7/18** (2013.01 - EP US); **E21C 25/60** (2013.01 - EP US)

Cited by

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DOCDB simple family (publication)

EP 0303313 A1 19890215; **EP 0303313 B1 19920212**; AU 1996688 A 19890309; AU 608631 B2 19910411; BR 8807442 A 19900515; CN 1017507 B 19920722; CN 1031743 A 19890315; DE 3739825 A1 19890223; DE 3739825 C2 19900830; DE 3861969 D1 19910411; EP 0362292 A1 19900411; EP 0362292 B1 19910306; ES 2030158 T3 19921016; GR 3004405 T3 19930331; PT 88223 A 19890630; PT 88223 B 19930930; US 4960176 A 19901002; WO 8901396 A1 19890223

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