

Title (en)

Drill bit for very hard materials

Title (de)

Bohrmeissel für sehr harte Materialien

Title (fr)

Trépan pour matériaux très durs

Publication

**EP 1302621 B1 20060419 (FR)**

Application

**EP 02292418 A 20021002**

Priority

FR 0113317 A 20011016

Abstract (en)

[origin: EP1302621A1] The trepan cutter for drilling anchor holes in granite has an upper section (14) with cable connections (20) and a lower section (12) with a chain (42) to limit spacing of the upper and lower sections. The sections have a cylindrical bore (26) to receive a guide (22). The upper and lower sections have ramp faces to convert relative longitudinal movement of the sections into rotary movement.

IPC 8 full level

**E21B 6/06** (2006.01); **E21B 10/36** (2006.01); **E21B 10/62** (2006.01)

CPC (source: EP US)

**E21B 6/06** (2013.01 - EP US); **E21B 10/36** (2013.01 - EP US); **E21B 10/62** (2013.01 - EP US)

Cited by

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

**EP 1302621 A1 20030416**; **EP 1302621 B1 20060419**; AT E323821 T1 20060515; DE 60210722 D1 20060524; FR 2830898 A1 20030418; FR 2830898 B1 20040123; HK 1055775 A1 20040121; SG 107617 A1 20041229; US 2003230434 A1 20031218; US 6942046 B2 20050913

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**EP 02292418 A 20021002**; AT 02292418 T 20021002; DE 60210722 T 20021002; FR 0113317 A 20011016; HK 03107144 A 20031003; SG 200206252 A 20021014; US 27190702 A 20021015