

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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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