

Title (en)
Core bit for ultrasonic drilling

Title (de)
Ultraschallkernbohrkrone

Title (fr)
Trépan de forage pour perçage à ultra-sons

Publication
EP 1323496 B1 20080213 (DE)

Application
EP 02406074 A 20021209

Priority
DE 10162636 A 20011220

Abstract (en)
[origin: EP1323496A1] The cylindrical tube (3) is dimensioned to exhibit a whole number of antinodes along its axial length, when subjected to a given excitation frequency.

IPC 8 full level
B23B 51/04 (2006.01); **B24B 1/04** (2006.01); **B23B 37/00** (2006.01); **B24B 33/08** (2006.01); **B28D 1/00** (2006.01); **B28D 1/04** (2006.01); **B28D 1/14** (2006.01)

CPC (source: EP US)
B24B 1/04 (2013.01 - EP US); **B24B 33/08** (2013.01 - EP US); **B28D 1/041** (2013.01 - EP US); **Y10T 408/895** (2015.01 - EP US); **Y10T 408/8957** (2015.01 - EP US); **Y10T 408/896** (2015.01 - EP US)

Cited by
WO2014064116A3

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
EP 1323496 A1 20030702; **EP 1323496 B1 20080213**; AT E385876 T1 20080315; DE 10162636 A1 20030703; DE 50211664 D1 20080327; JP 2003200415 A 20030715; JP 4319400 B2 20090826; US 2003146024 A1 20030807; US 6948574 B2 20050927

DOCDB simple family (application)
EP 02406074 A 20021209; AT 02406074 T 20021209; DE 10162636 A 20011220; DE 50211664 T 20021209; JP 2002367911 A 20021219; US 32282502 A 20021218