

Title (en)
Drill tool

Title (de)
Bohrwerkzeug

Title (fr)
Outil de forage

Publication
EP 0933497 B1 20030820 (DE)

Application
EP 99100208 A 19990107

Priority
DE 29801700 U 19980202

Abstract (en)
[origin: EP0933497A2] This ground borer (10) has a shaft coaxial with the rotation axis (14), carrying drilling spiral(s) (13). At the pushing end (A), the cutter unit (16), extends radially from the axis. A novel feature is displacement of the radial sections of the cutter away from the axis. This gives rise to an initially-uncut central region (17). The cutters project forward (A), ahead of this central region. The shaft includes a surface (18) angled with respect to the axis. This pushes away the free-standing central core formed during drilling, urging it into the conveying region (20) of the drilling spiral(s).

IPC 1-7
E21B 10/44; **E21B 10/04**

IPC 8 full level
E21B 10/04 (2006.01); **E21B 10/44** (2006.01)

CPC (source: EP)
E21B 10/04 (2013.01); **E21B 10/44** (2013.01)

Cited by
DE202015102848U1; DE102014111500A1

Designated contracting state (EPC)
AT DE ES FR GB IT

DOCDB simple family (publication)
EP 0933497 A2 19990804; **EP 0933497 A3 20000712**; **EP 0933497 B1 20030820**; AT E247765 T1 20030915; DE 29801700 U1 19980326; DE 59906619 D1 20030925; ES 2205605 T3 20040501

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