

Title (en)

Auger for drilling an earth borehole

Title (de)

Schneckenbohrer zum Erstellen eines Bohrlochs im Erdboden

Title (fr)

Tarière pour excaver un puits dans le sol

Publication

EP 1905945 A1 20080402 (DE)

Application

EP 06019898 A 20060922

Priority

EP 06019898 A 20060922

Abstract (en)

The auger bit (1) has a bore shaft (11), and a bore helix (15) running along the bore shaft. A guiding element (20) e.g. bell guide, is radially spaced from the bore shaft, and is arranged for shoring the auger bit to a wall of the borehole. The guiding element is rotatably supported relative to the bore shaft. A connecting device (51) is formed for producing a releasable connection between a bore rod and the auger bit. The bore rod is arranged at an end of the bore shaft opposite to a drill bit. An independent claim is also included for a method for creating a borehole in ground.

Abstract (de)

Die Erfindung betrifft einen Schneckenbohrer (1) zum Erstellen eines Bohrlochs im Erdboden, mit einem Bohrschaft (11) und mindestens einer Bohrwendel (15), die längs des Bohrschafts verläuft. Nach der Erfindung ist vorgesehen, dass radial vom Bohrschaft beabstandet zumindest ein Führungselement (20) zum Abstützen des Schneckenbohrers an einer Wandung des Bohrlochs angeordnet ist, wobei das Führungselement relativ zum Bohrschaft drehbar gelagert ist.

IPC 8 full level

E21B 7/00 (2006.01); **E21B 10/44** (2006.01)

CPC (source: EP)

E21B 10/44 (2013.01); **E21B 17/1057** (2013.01)

Citation (search report)

- [XY] US 4228862 A 19801021 - CAUSSE ANTOINE
- [X] EP 1085166 A1 20010321 - CIE DU SOL [FR]
- [X] AT 352774 B 19791010 - AUMANN KELLER & PICHLER K G BA [AT]
- [Y] US 2675213 A 19540413 - POOLE ARTHUR E, et al
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Designated contracting state (EPC)

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