

Title (en)
Method and apparatus for creating a borehole in the ground

Title (de)
Verfahren und Vorrichtung zum Erstellen einer Bohrung im Boden

Title (fr)
Procédé et dispositif de réalisation d'un trou de forage dans le sol

Publication
EP 1895090 B1 20081015 (DE)

Application
EP 06017593 A 20060823

Priority
EP 06017593 A 20060823

Abstract (en)
[origin: EP1895090A1] The method involves setting a rotatably driven drill pipe (1) and a conveyor screw (2) into rotation, and introducing the drill pipe and the screw into soil. An outcropping soil material is loosened by a set of main cutting edges (50, 50') positioned axially in front of the conveyor screw, and is conveyed away by the conveyor screw inside the drill pipe. The main cutting edges are arranged in the drill pipe and are rotated with the drill pipe. The drill pipe and the conveyor screw are controlled independently of each other with regard to rotational speed and/or direction of rotation. An independent claim is also included for a device for producing a borehole in soil.

IPC 8 full level
E21B 10/44 (2006.01); **E21B 7/00** (2006.01)

CPC (source: EP KR US)
E21B 7/005 (2013.01 - EP KR US); **E21B 10/44** (2013.01 - EP KR US)

Cited by
EP3392449A1; WO2018192701A1; EP3190257A1; NL2028151A; CN105612290A; EP2703596A1; DE102015100477A1; DE102015100477B4; EP3835487A1; FR3104618A1; WO2014032847A1

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