

Title (en)

ROTARY DRILLING TOOL AND METHOD FOR CREATING A HOLE IN THE SOIL

Title (de)

DREHBOHRWERKZEUG UND VERFAHREN ZUM ERSTELLEN EINER BOHRUNG IM BODEN

Title (fr)

PERFORATRICE ROTATIVE ET PROCÉDÉ DE FABRICATION D'UN TROU DANS LE SOL

Publication

**EP 3333356 B1 20200129 (DE)**

Application

**EP 16202683 A 20161207**

Priority

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Abstract (en)

[origin: WO2018103919A1] The invention relates to a drilling tool and a method for producing a bore in the ground, in which method ground material is carried away by a removal device on the underside of a main body of the drilling tool, flushing air is supplied by a feeding device into the bore, which is filled with drilling fluid, in the area of the removal device and ground material carried away by means of the flushing air is transported away through a discharge line. According to the invention, the ground material is transported to a receiving area in an upper section of the main body. A collecting hood is provided above the receiving area, which closes off the receiving area at the top, forming an air collecting space in which air collects. An outlet valve by means of which air is discharged from the air collecting space is arranged on the collecting hood.

IPC 8 full level

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Citation (examination)

- AU 6026173 A 19750313 - TAYLOR WOODROW INT LTD
- US 3684041 A 19720815 - KAMMERER ARCHER W JR, et al
- DE 202015102848 U1 20150630 - BAUER MASCHINEN GMBH [DE]

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