

Title (en)
DRILL HEAD FOR CREATING A BOREHOLE IN THE GROUND

Title (de)
BOHRKOPF FÜR DAS ERSTELLEN EINER BOHRUNG IM BODEN

Title (fr)
TÊTE DE FORAGE POUR RÉALISER UN FORAGE DANS LE SOL

Publication
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Application
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Abstract (en)
[origin: WO2021013838A2] The invention relates to a drill head for creating a substantially vertical borehole in the ground, comprising: a body, which can be connected to a rotational drive of a drilling device; drilling tools, which are arranged on the body, for loosening the ground at a working face of the borehole; a suctioning means for leading away the loosened ground at the working face, which suctioning means can be connected to a pump, wherein the suctioning means comprises an opening region arranged on the body and having at least one opening in the region of the drilling tools at the working face. It is advantageous that the opening region has an elongate extent, that the at least one opening of the opening region is connected to a suction box, which has, at an end opposite the opening, a connection opening for connecting to the pump, that, in the opening region, the ground loosened by the drilling tools can be sucked through the opening into the suction box in a flow direction by means of the pump, that the suction box is tapered in width from the opening toward the connection opening, and that the height of the suction box increases from the opening toward the connection opening.

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