

Title (en)
METHOD FOR DRILLING HOLES IN SOIL OR ROCK MATERIAL AND FOR FIXING AN ANCHOR IN A BOREHOLE AND APPARATUS THEREFOR

Title (de)
VERFAHREN ZUM BOHREN VON LÖCHERN IN BODEN- BZW. GESTEINSMATERIAL UND ZUM FESTLEGEN EINES ANKERS IN EINEM BOHRLOCH SOWIE VORRICHTUNG HIERFÜR

Title (fr)
PROCÉDÉ DE FORAGE DE TROUS DANS DE LA TERRE OU DE LA PIERRE ET DE FIXATION D'UN ÉLÉMENT D'ANCRAGE DANS UN TROU DE FORAGE ET DISPOSITIF ASSOCIÉ

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Application
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Abstract (en)
[origin: WO2013152366A2] The invention relates to a method for drilling holes in soil or rock material and for fixing an anchor in a borehole, an expanding element (3), which is fixed to a drill or anchor rod (1), and a spreading element (7) to be expanded, in particular in the form of a sleeve, are introduced with the drill or anchor rod (1), provided with a drill bit (2), into the soil or rock material at the same time as the borehole is being formed, in particular by rotary and percussive or rotary drilling, the spreading element is expanded to butt against the wall of the borehole after completion of the borehole by the drill or anchor rod (1) and the expanding element (3) arranged thereon being withdrawn into the interior of the spreading element (7), and the drill or anchor rod (1) is secured at its end protruding from the borehole on an outer side of the borehole by an anchor plate (12), wherein, after the expansion of the spreading element (7), the drill or anchor rod (1) is subjected to a rotary movement in the direction of the interior (15) of the borehole until there is abutment with the interior (15) of the borehole, and the drill or anchor rod (1) is fixed against the outside of the borehole by bracing of the anchor plate (12) by means of a nut (13) formed as a locating element for an insertion device (14). The invention also relates to an apparatus therefor.

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