

Title (en)

METHOD FOR THE DRILLING, IN PARTICULAR PERCUSSION OR ROTARY PERCUSSION DRILLING, OF HOLES IN SOIL OR ROCK MATERIAL AND DEVICE THEREFOR

Title (de)

VERFAHREN ZUM BOHREN, INSBESONDERE SCHLAG- ODER DREHSCHLAGBOHREN VON LÖCHERN IN BODEN ODER GESTEINSMATERIAL SOWIE VORRICHTUNG HIERFÜR

Title (fr)

PROCÉDÉ DE FORAGE, EN PARTICULIER DE FORAGE PAR PERCUSSION OU PAR ROTOPERCUSSION POUR CREUSER DES TROUS DANS LE SOL OU DANS DES ROCHES ET DISPOSITIF ASSOCIÉ

Publication

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Application

EP 10787258 A 20101105

Priority

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Abstract (en)

[origin: WO2011054020A2] In a method for the drilling, in particular percussion or rotary percussion drilling, of holes in soil or rock material, wherein a borehole is formed by a drill bit (2) mounted on a drill string (4) by means of a percussive and/or rotational movement, a casing (5) adjoining the drill bit (2) is introduced into the borehole by being pulled and/or struck and material that is removed is introduced into the annular space formed between the outer circumference of the drill string (4) and the inner circumference of the casing (5) via at least one through-opening (11), formed between the drill bit (2) and the casing (5), and is discharged from the borehole; the impact energy of the drill string (4) is applied to the drill bit (2) via an adapter (3) interacting with the drill bit (2) and the drill string (4) and the impact energy is applied to the drill bit (2) at least partially via an impact shoulder (13) of the adapter (3) and at least partially via a threaded connection (9) between the adapter (3) and the drill bit (2). A device for carrying out this method is also described.

IPC 8 full level

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