

Title (en)

METHOD AND DEVICE FOR DRILLING, IN PARTICULAR PERCUSSION DRILLING OR ROTARY PERCUSSION DRILLING, HOLES IN SOIL MATERIAL OR ROCK MATERIAL, AND CONNECTING ELEMENT FOR A DRILL PIPE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BOHREN, INSBESONDERE SCHLAG- ODER DREHSCHLAGBOHREN, VON LÖCHERN IN BODEN- ODER GESTEINSMATERIAL SOWIE VERBINDUNGSELEMENT FÜR EIN BOHRGESTÄNGE

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR LE FORAGE, EN PARTICULIER LE FORAGE À PERCUSSION OU À ROTO-PERCUSSION, DE TROUS DANS LE SOL OU LA ROCHE ET ÉLÉMENT D'ASSEMBLAGE POUR UNE TIGE DE FORAGE

Publication

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Application

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Abstract (en)

[origin: WO2013033738A2] In a method and a device for drilling, in particular percussion drilling or rotary percussion drilling, holes in soil material or rock material, wherein a drill hole is formed by a percussive and/or rotary movement by a drill bit (3) mounted on a multipart drill pipe (2), it is provided for individual elements (7) of the extendable drill pipe (2) to be coupled together at their mutually facing end sides via mutually complementary profiling (10, 11) by a combination of a movement thereof in the axial direction and a movement in the radial direction in relation to one another, wherein the movement of the drill pipe elements (7) in relation to one another in the radial direction is selected to be in the direction of the rotary movement of the drill pipe (2) during the drilling operation and over less than 360°, in particular less than 180° of the circumference of the drill pipe (2). Furthermore, a connecting element (8, 9) for use in such a method and in such a device is provided.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2013033738A2

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