

Title (en)

Device and method for drilling shafts in a ground consisting of rock, clay and/or related materials

Title (de)

Vorrichtung und Verfahren zum Bohren von Schächten in einem Boden aus Stein, Lehm bzw. entsprechenden Materialien

Title (fr)

Dispositif et procédé de forage de puits dans un sol constitué de roche, d'argile et/ou de matériaux connexes

Publication

EP 2615239 B1 20191030 (EN)

Application

EP 13150026 A 20130102

Priority

BE 201200003 A 20120102

Abstract (en)

[origin: EP2615239A1] The invention relates to a device and method for drilling shafts in a ground consisting of rock, clay and/or related materials. The device (1) comprises a borehole casing (4) and means for arranging the borehole casing (4) in the ground (3); a drilling means (10) which can be lowered into the borehole casing (4) by means of a flexible suspension; wherein the drilling means (10) comprises a hollow drill string (5) provided with a drill head (7) with cutting tools (8) and means (13) for setting the drill string (5) into rotation, and wherein the drilling means (10) is further provided with securing means with which the drilling means (10) can be secured in the borehole casing, and with discharge means for dislodged ground material connected to the hollow drill string. The invention also relates to a lifting platform provided with the device. Using the invented device drilling can take place with higher efficiency than with the known device and method.

IPC 8 full level

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Citation (examination)

DE 3741717 A1 19890629 - WIRTH CO KG MASCH BOHR [DE]

Citation (opposition)

Opponent : **BAUER Maschinen GmbH**

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- JP 2002276273 A 20020925 - KENCHO CO LTD, et al
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- ANONYM: "DEUTSCHE NORM DIN EN 1536: Bohrpfähle. Deutsche Fassung EN 1536: 1999", DEUTSCHE NORM DIN, 1 June 1999 (1999-06-01), pages 1 - 22, XP055778365

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