

Title (en)

DRILLING DEVICE AND METHOD FOR THE SCREWING OF DRILL ROD ELEMENTS WITH A DRILLING DEVICE

Title (de)

BOHRVORRICHTUNG UND VERFAHREN ZUM VERSCHRAUBEN VON BOHRGESTÄNGEELEMENTEN MIT EINER BOHRVORRICHTUNG

Title (fr)

DISPOSITIF DE FORAGE ET PROCÉDÉ DE VISSAGE D'ÉLÉMENTS DE TIGES DE FORAGE COMPRENANT UN DISPOSITIF DE FORAGE

Publication

**EP 3404197 B1 20190508 (DE)**

Application

**EP 17171659 A 20170518**

Priority

EP 17171659 A 20170518

Abstract (en)

[origin: CA3002486A1] The invention relates to a drilling device having a drill drive which is designed for driving drill rod elements in a rotating manner and is linearly adjustable along a guide, a positioning means for linear adjustment of the drill drive, a receiving part for receiving and holding at least a first drill rod element with a first thread region, a clamping means which is arranged on the drill drive for holding at least a second drill rod element with a second thread region which can be screwed so as to fit to the first thread region, and a control unit, by which the drill drive and the positioning means can be actuated in order to screw together the first thread region and the second thread region. In accordance with the invention a distance measuring means is provided, by which an adjustment distance of the drill drive along the guide can be detected as an actual value. By the control unit a revolution speed of the drill drive during screwing can be detected and, on taking account of a predetermined thread constant, an adjustment distance can be determined as a nominal value. By the control unit a comparison of nominal value and actual value is carried out, wherein a difference value can be determined. The drill drive and/or the positioning means can be adjusted by the control unit according to the difference value determined.

IPC 8 full level

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