

Title (en)

Method and apparatus for controlling the push mechanism of an earth drilling rig

Title (de)

Verfahren und Vorrichtung zur Steuerung des Vorschubantriebes einer Erdbohranlage

Title (fr)

Méthode et dispositif pour commander un appareil d'avancement d'un appareil de forage du sol

Publication

EP 0863293 B1 20030924 (DE)

Application

EP 98103945 A 19980305

Priority

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Abstract (en)

[origin: EP0863293A2] Feed rate produced by feed drive when drilling in the ground is controlled by a hydraulic circuit (10-86) as a function of the torque occurring at the drilling tool. Preferably the feed rate is controlled on the basis of the difference between the actual torque and a set-point torque, so that the feed rate is less than a predetermined value. The feed rate may additionally be controlled as a function of the feed force, for which a limiting value is defined. A control system is used for carrying out the method. It involves a pressure medium flowing to the hydraulic rotary drive can be regulated by a control valve.

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