

Title (en)

METHOD AND DEVICE FOR CONTROLLING AT LEAST ONE DRILLING PARAMETER FOR ROCK DRILLING

Title (de)

VERFAHREN UND VORRICHTUNG ZUR STEUERUNG VON MINDESTENS EINEM BOHRPARAMETER FÜR GESTEINSBOHRUNGEN

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR COMMANDER AU MOINS UN PARAMÈTRE DE FORAGE POUR LE FORAGE DE ROCHES

Publication

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Application

**EP 08741842 A 20080409**

Priority

- SE 2008000255 W 20080409
- SE 0700883 A 20070411

Abstract (en)

[origin: WO2008127171A1] The present invention relates to a method and a device for controlling at least one drilling parameter when drilling into rock with a drilling machine, where a percussion pressure and/or a feed pressure of the drilling machine, which generate a percussive force and a feed force respectively, are controlled during the drilling operation. A parameter value is determined that represents the mean value of a damping pressure in a damping chamber used both for transmitting a feed force to a drill string that is connected to the drilling machine, and for damping rock reflections from this drill string; a difference between the said mean value of the determined damping pressure and a reference value of the damping pressure is also determined. The percussion pressure and/or the feed pressure of the drilling machine is then controlled on the basis of this difference.

IPC 8 full level

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CPC (source: EP SE)

**E21B 44/00** (2013.01 - SE); **E21B 44/06** (2013.01 - SE); **E21B 44/08** (2013.01 - EP)

Citation (search report)

- [XA] US 4671366 A 19870609 - UITTO VESA [FI], et al
- [A] WO 03044319 A1 20030530 - ATLAS COPCO ROCK DRILLS AB [SE], et al
- [AD] EP 0564504 A1 19931013 - TAMROCK OY [FI]
- See also references of WO 2008127171A1

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DOCDB simple family (publication)

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