

Title (en)

METHOD AND SYSTEM FOR OPTIMISING A DRILLING PARAMETER DURING AN ONGOING DRILLING PROCESS

Title (de)

VERFAHREN UND SYSTEM ZUR OPTIMIERUNG EINES BOHRPARAMETERS WÄHREND EINES LAUFENDEN BOHRPROZESSES

Title (fr)

MÉTHODE ET SYSTÈME POUR OPTIMISER UN PARAMÈTRE DE FORAGE PENDANT UN PROCESSUS DE FORAGE EN COURS

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Application

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Abstract (en)

[origin: WO2022139654A1] The present invention relates to a method for optimising at least one drilling parameter during an ongoing drilling process, the drilling being carried out by a percussive drilling machine (105), the drilling machine (105) being set to drill at an operating point, the operating point of the drilling being determined by the setting of a plurality of control parameters. The method comprises determining a first plurality of drilling machine operating points (401a-d; 402b-d; 403c-d; 404a-d), the operating points (401a-d; 402b-d; 403c-d; 404a-d) being set by said plurality of control parameters. Furthermore, percussive drilling is performed at each of said first plurality of operating points (401a-d; 402b-d; 403c-d; 404a-d) and at least one resulting drilling parameter is evaluated for each of the plurality of operating points (401a-d; 402b-d; 403c-d; 404a-d). The method also comprises determining a new plurality of drilling machine operating points (401a-d; 402b-d; 403c-d; 404a-d) to be drilled based on said evaluation, and subsequently drilling the new plurality of drilling machine operating points (401a-d; 402b-d; 403c-d; 404a-d).

IPC 8 full level

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