

Title (en)

DYNAMIC ADJUSTMENTS OF DRILLING PARAMETER LIMITS

Title (de)

DYNAMISCHE ANPASSUNG VON BOHRPARAMETERGRENZEN

Title (fr)

RÉGLAGES DYNAMIQUES DE LIMITES DE PARAMÈTRES DE FORAGE

Publication

**EP 4264012 A1 20231025 (EN)**

Application

**EP 21908051 A 20211217**

Priority

- US 202063199272 P 20201217
- US 2021072988 W 20211217

Abstract (en)

[origin: WO2022133484A1] Methods, computing systems, and computer-readable media for dynamically adjusting drilling parameters during a drilling operation. The approach involves receiving, in real time, drilling parameter measurements and response measurements during a drilling operation. If the response measurements are below the lower limit of a window or trending downwards, the approach determines a new drilling parameter value that will increase the response measurement. The approach dynamically adjusts the drilling parameter value above the sectional limit, while still respecting hard limits. When the measured value improves, the approach returns the limit for the drilling parameter to the sectional limit.

IPC 8 full level

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CPC (source: EP US)

**E21B 7/04** (2013.01 - EP); **E21B 7/06** (2013.01 - US); **E21B 44/00** (2013.01 - EP); **E21B 45/00** (2013.01 - EP); **E21B 47/06** (2013.01 - US); **E21B 2200/20** (2020.05 - EP US)

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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