

Title (en)

METHOD AND SYSTEM FOR AUTOMATED ADJUSTMENT OF DRILLING MUD PROPERTIES

Title (de)

VERFAHREN UND SYSTEM ZUR AUTOMATISIERTEN EINSTELLUNG VON BOHRSCHLAMMEIGENSCHAFTEN

Title (fr)

PROCÉDÉ ET SYSTÈME DE RÉGLAGE AUTOMATIQUE DES PROPRIÉTÉS DE LA BOUE DE FORAGE

Publication

**EP 3408491 B1 20200429 (EN)**

Application

**EP 17700864 A 20170123**

Priority

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- EP 2017051329 W 20170123

Abstract (en)

[origin: WO2017129523A1] Drilling mud properties in a mud recirculation system (13) of an oil and/or gas well drilling assembly (1) are automatically adjusted by an automated mud treating assembly (20,25) that is governed hierarchal primary and secondary optimization and control loops (30,31) that continuously keep the density, viscosity, pH and other mud properties within specifications set by a model-based tertiary optimization and control loop to ensure that the mud properties will lead to sufficient drilled cutting transport, borehole stability, drill bit hydraulics, and minimum friction torque and drag.

IPC 8 full level

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