

Title (en)
MUD MOTOR ASSEMBLY

Title (de)
SCHLAMMMOTORANORDNUNG

Title (fr)
SYSTÈME DE MOTEUR À BOUE

Publication
EP 2715031 B1 20161228 (EN)

Application
EP 12789232 A 20120523

Priority

- US 201161519487 P 20110523
- US 201161573631 P 20110908
- US 201161629000 P 20111112
- US 201261633776 P 20120218
- US 201261687394 P 20120424
- US 201261688726 P 20120518
- US 201213506887 A 20120522
- US 2012039172 W 20120523

Abstract (en)
[origin: WO2012162408A1] A longer-lasting, lower cost, more powerful, all metal, mud motor than the presently available progressing cavity type mud motors for drilling boreholes into the earth. A mud motor apparatus possessing one single drive shaft that turns a rotary drill bit, which apparatus is attached to a drill pipe which provides high pressure mud to the mud motor, wherein the drive shaft receives at least a first portion of its rotational torque from any high pressure mud flowing through a first hydraulic chamber within the apparatus, and receives at least a second portion of its rotational torque from any high pressure mud flowing through a second hydraulic chamber within the apparatus. The mud motor apparatus possesses two hydraulic chambers, each having its own power stroke, and return stroke, and acting together in a controlled fashion, provide continuous power to a rotary drill bit.

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