

Title (en)
ACTIVE IN-SITU CONTROLLED PERMANENT DOWNHOLE DEVICE

Title (de)
AKTIVE VOR ORT GESTEUERTE PERMANENTE BOHRLOCHVORRICHTUNG

Title (fr)
DISPOSITIF PERMANENT DE FOND DE TROU À COMMANDE ACTIVE IN SITU

Publication
EP 2414628 A1 20120208 (EN)

Application
EP 10762118 A 20100325

Priority

- US 2010028679 W 20100325
- US 41528909 A 20090331

Abstract (en)
[origin: US2010243243A1] A well system is provided and configured for local and/or global control of a well. The well system may comprise one or more controllable downhole devices. Each of the downhole devices may include a telemetry module, an energy module configured to at least power an actuator, a controller communicably coupled to the telemetry module and one or more sensors, and a controllable component coupled to the actuator. The well system may further include a surface controller comprising a desired state input device configured to accept a desired state and then provide the desired state to the controller via the telemetry module. The controller may compare the desired state to an actual state determined by a sensor and instruct the actuator to adjust the controllable component such that the actual state approaches the desired state. The downhole device may operate autonomously after the initial setting of the desired state.

IPC 8 full level
E21B 34/16 (2006.01); **E21B 41/00** (2006.01); **E21B 47/12** (2012.01)

CPC (source: EP US)
E21B 34/16 (2013.01 - EP US); **E21B 41/0035** (2013.01 - EP US); **E21B 47/12** (2013.01 - EP US)

Cited by
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DOCDB simple family (publication)
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