

Title (en)

SURFACE STEERABLE DRILLING SYSTEM FOR USE WITH ROTARY STEERABLE SYSTEM

Title (de)

OBERFLÄCHENSTEUERBARES BOHRSYSTEM ZUR VERWENDUNG MIT EINEM STEUERBAREN DREHSYSTEM

Title (fr)

SYSTÈME DE FORAGE ORIENTABLE DE SURFACE DESTINÉ À ÊTRE UTILISÉ AVEC UN SYSTÈME ROTARY ORIENTABLE

Publication

EP 3201432 B1 20220518 (EN)

Application

EP 15846891 A 20151002

Priority

- US 201462058950 P 20141002
- US 2015053846 W 20151002

Abstract (en)

[origin: WO2016054586A1] A method for rotary steerable drilling, comprising calculating a first plurality of convergence plans if an estimated position of a drill bit is not within a defined margin of error of a desired point along a planned path for a borehole, calculating a second plurality of convergence plans if the estimated position of the drill bit is not within the margin of error, selecting a convergence plan that best satisfies a set of target parameters from the first and second plurality of convergence plans, producing a set of control parameters representing the selected convergence plan, transmitting one or more commands to one or more rotary steering components to actuate the one or more rotary steering components, in order to alter the planned path for the borehole in accordance with the set of control parameters, and drilling at least a portion of the borehole based on the set of control parameters.

IPC 8 full level

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