

Title (en)
DEVICE FOR STEERING DRILLING TOOLS

Title (de)
VORRICHTUNG ZUM LENKEN VON BOHRWERKZEUGEN

Title (fr)
DISPOSITIF D'ORIENTATION D'OUTILS DE FORAGE

Publication
EP 2004946 B1 20121003 (FR)

Application
EP 07731198 A 20070326

Priority
• FR 2007000515 W 20070326
• FR 0602621 A 20060327

Abstract (en)
[origin: FR2898935A1] The device has a pivot type connection (6) connecting a transmission shaft (3) and a main body (1) and placed in proximity to an interface between the body and an orientable case (2). A deflection system (7) allows to control a relative displacement of the body with respect to the case. The body has support pads (9) with a diameter less than or equal to that of a drill bit (16). The case has support pads (10a) and fixed or expandable pads, so that the case is supported on a wall of a drilled well. The body and the case are blocked in rotation by slotting another wall of a well to be drilled. An independent claim is also included for a method of performing drilling that requires a precise trajectory control.

IPC 8 full level
E21B 7/06 (2006.01)

CPC (source: EP US)
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FR 2898935 A1 20070928; FR 2898935 B1 20080704; CA 2647397 A1 20071004; CA 2647397 C 20150120; CN 101473102 A 20090701; CN 101473102 B 20131002; EP 2004946 A1 20081224; EP 2004946 B1 20121003; US 2009166089 A1 20090702; US 8887834 B2 20141118; WO 2007110502 A1 20071004

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