

Title (en)

MEASUREMENT DEVICE IN A HORIZONTAL WELL

Title (de)

MESSVORRICHTUNG IN EINEM HORIZONTALLEN BOHRLOCH

Title (fr)

DISPOSITIF DE MESURE DANS UN Puits HORIZONTAL

Publication

**EP 2122118 B1 20190724 (FR)**

Application

**EP 07871835 A 20071210**

Priority

- FR 2007002041 W 20071210
- FR 0610993 A 20061215

Abstract (en)

[origin: FR2910048A1] The device has an electric connection unit (14) with a female receptacle (15) assembled to load bars in an internal space of rods (12) by a diagraphic cable. Circulation openings (13) are provided between the internal space and exterior of a support, where the openings are provided between the probe and the unit. A check valve type closing unit i.e. tipping cover (24), is sandwiched between the openings and the unit for ensuring circulation of fluid from inside towards outside and prohibiting the circulation of the fluid from outside towards the inside of support.

IPC 8 full level

**E21B 23/08** (2006.01); **E21B 47/01** (2012.01)

CPC (source: EP US)

**E21B 23/08** (2013.01 - EP US); **E21B 23/14** (2013.01 - EP US); **E21B 47/01** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**FR 2910048 A1 20080620; FR 2910048 B1 20090206**; CA 2671252 A1 20080724; CA 2671252 C 20140211; CN 101636557 A 20100127; CN 101636557 B 20130410; CY 1122589 T1 20210127; EP 2122118 A2 20091125; EP 2122118 B1 20190724; PL 2122118 T3 20200131; RU 2009127098 A 20110120; RU 2470151 C2 20121220; US 2010089567 A1 20100415; US 8695701 B2 20140415; WO 2008087282 A2 20080724; WO 2008087282 A3 20090827

DOCDB simple family (application)

**FR 0610993 A 20061215**; CA 2671252 A 20071210; CN 200780050181 A 20071210; CY 191101113 T 20191024; EP 07871835 A 20071210; FR 2007002041 W 20071210; PL 07871835 T 20071210; RU 2009127098 A 20071210; US 51918107 A 20071210