

Title (en)

PRESSURISED FLUID SAMPLER FOR MONITORING GEOLOGICAL STORAGE OF GAS

Title (de)

PROBENNEHMER FÜR UNTER DRUCK STEHENDE FLÜSSIGKEIT ZUR ÜBERWACHUNG DER GEOLOGISCHEN LAGERUNG VON GAS

Title (fr)

PRÉLEVEUR DE FLUIDE SOUS PRESSION POUR LA SURVEILLANCE DE STOCKAGE GEOLOGIQUE DE GAZ

Publication

EP 2929143 A1 20151014 (FR)

Application

EP 13805449 A 20131031

Priority

- FR 1203329 A 20121207
- FR 2013052614 W 20131031

Abstract (en)

[origin: WO2014087061A1] - A device for sampling pressurised fluids from a borehole. - The device comprises: -means for holding fluid in a sampling chamber (01), comprising a first piston (05) designed to allow or prevent fluid from entering the lower portion of the chamber, said first piston being moved by means comprising a flexible element (20) placed in a chamber filled with oil and connected to the piston by a rod (04); - means for transferring the sampled fluid, making it possible to control the lowering of a second piston (02) from the upper portion to the lower portion of the chamber, such that the fluid remains at a constant pressure in the chamber (01) during the transfer.

IPC 8 full level

E21B 49/08 (2006.01)

CPC (source: CN EP RU US)

E21B 49/08 (2013.01 - RU); **E21B 49/081** (2013.01 - CN EP RU US); **E21B 49/088** (2013.01 - US)

Citation (search report)

See references of WO 2014087061A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2014087061 A1 20140612; CA 2892653 A1 20140612; CA 2892653 C 20200512; CN 104838089 A 20150812; CN 104838089 B 20181002; EP 2929143 A1 20151014; EP 2929143 B1 20161019; FR 2999224 A1 20140613; FR 2999224 B1 20160930; MX 2015007088 A 20150925; MX 357679 B 20180719; PL 2929143 T3 20170831; RU 2603646 C1 20161127; US 2015315908 A1 20151105; US 9644479 B2 20170509

DOCDB simple family (application)

FR 2013052614 W 20131031; CA 2892653 A 20131031; CN 201380063656 A 20131031; EP 13805449 A 20131031; FR 1203329 A 20121207; MX 2015007088 A 20131031; PL 13805449 T 20131031; RU 2015127084 A 20131031; US 201314649927 A 20131031