

Title (en)

DEVICE FOR ANALYSING AT LEAST ONE GAS CONTAINED IN A LIQUID, PARTICULARLY BORE FLUID

Title (de)

VORRICHTUNG ZUR ANALYSE MINDESTENS EINES IN EINER FLÜSSIGKEIT, INSBESONDERE EINER BOHRFLÜSSIGKEIT, ENTHALTENEN GASES

Title (fr)

DISPOSITIF D'ANALYSE D'AU MOINS UN GAZ CONTENU DANS UN LIQUIDE NOTAMMENT UN FLUIDE DE FORAGE

Publication

EP 1618284 A2 20060125 (FR)

Application

EP 04742533 A 20040416

Priority

- FR 2004000953 W 20040416
- FR 0305131 A 20030425

Abstract (en)

[origin: US2009293605A1] The device comprises means (53) for analysing a gas or each gas and means (51) for taking a sample of at least one fraction of said gas, comprising at least one porous membrane element (55). The porous membrane element (55) comprises a support (63) and has a first surface (57) which is in contact with the liquid circulating in the duct (13) and a second surface (59) which opens out into a duct (61) which is connected to analysing means (53). The hardness of the first surface (57) is more than 1400 Vickers (kgf/mm²), ranging more particularly between 1400 and 1900 Vickers (kgf/mm²). The invention can be used to analyse the gaseous content of oil well boring sludge.

IPC 1-7

E21B 49/00

IPC 8 full level

E21B 49/00 (2006.01)

CPC (source: EP US)

E21B 49/005 (2013.01 - EP US)

Citation (search report)

See references of WO 2004097175A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

US 2009293605 A1 20091203; US 7748266 B2 20100706; AR 044089 A1 20050824; AT E370312 T1 20070915; CA 2523380 A1 20041111; CA 2523380 C 20091006; DE 602004008255 D1 20070927; EP 1618284 A2 20060125; EP 1618284 B1 20070815; ES 2291897 T3 20080301; FR 2854197 A1 20041029; FR 2854197 B1 20050722; WO 2004097175 A2 20041111; WO 2004097175 A3 20050217

DOCDB simple family (application)

US 55420104 A 20040416; AR P040101405 A 20040423; AT 04742533 T 20040416; CA 2523380 A 20040416; DE 602004008255 T 20040416; EP 04742533 A 20040416; ES 04742533 T 20040416; FR 0305131 A 20030425; FR 2004000953 W 20040416