

Title (en)

System and method for analysing gas from a borehole

Title (de)

System und Verfahren zur Analyse eines Bohrlochgas

Title (fr)

Système et procédé d'analyse de gaz d'un puits

Publication

EP 2796663 A2 20141029 (EN)

Application

EP 14161601 A 20140325

Priority

GB 201305411 A 20130325

Abstract (en)

A system and method for analysing gas from a borehole, the system comprising:- a degasser (20,120) configured to degas drilling mud to remove at least a portion of gas therefrom; an analyser (50,150), in gas communication with the degasser(20,120), the analyser (50,150) configured to analyse gas samples and provide information relating to the gas samples; the analyser (50,150) normally being a mass spectrometer(50,150); wherein the system is configured such that drilling mud is degassed in the degasser (20,120) for at least twenty seconds before at least a portion of gas removed therefrom is transferred to the analyser(50,150). The resulting batch analysis provides a number of important benefits. A degasser (20,120), cleaning mechanism, feedback system and mud heater (16,116) are also disclosed.

IPC 8 full level

E21B 49/00 (2006.01); **E21B 21/06** (2006.01)

CPC (source: EP)

E21B 21/067 (2013.01); **E21B 49/005** (2013.01)

Cited by

CN112903847A; EP4306768A3; CN104841665A; GB2582471A; GB2582471B; US11480053B2; US11573215B2; WO2019143362A1; US11867682B2

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)

EP 2796663 A2 20141029; **EP 2796663 A3 20160615**; GB 201305411 D0 20130508

DOCDB simple family (application)

EP 14161601 A 20140325; GB 201305411 A 20130325