

Title (en)  
BORE PLUG ANALYSIS SYSTEM

Title (de)  
BOHRSTOPFENANALYSESYSTEM

Title (fr)  
SYSTÈME D'ANALYSE DE TAMPON DE FORAGE

Publication  
**EP 4189213 A4 20231227 (EN)**

Application  
**EP 21851255 A 20210729**

Priority  
• US 202063059377 P 20200731  
• US 2021043666 W 20210729

Abstract (en)  
[origin: WO2022026683A1] A method can include receiving pressure data with respect to time acquired via a pressure sensor disposed in an uphole region of a bore of a well, where a plug is disposed in the bore to define the uphole region to one side of the plug and a corresponding downhole region to the other side of the plug; using physical properties of liquid in the uphole region and thermal information, computing a temperature induced density variation of the liquid in the uphole region; and, based at least in part on at least a portion of the pressure data and the temperature induced density variation of the liquid, determining a state of the plug and the bore from a plurality of states.

IPC 8 full level  
**E21B 47/06** (2012.01); **E21B 33/12** (2006.01); **E21B 47/12** (2012.01)

CPC (source: EP US)  
**E21B 33/12** (2013.01 - EP US); **E21B 33/134** (2013.01 - EP); **E21B 47/00** (2013.01 - EP); **E21B 47/06** (2013.01 - EP US); **E21B 47/10** (2013.01 - EP US); **E21B 47/12** (2013.01 - EP US)

Citation (search report)  
• [X] US 2013111985 A1 20130509 - VEENINGEN DANIEL MARCO [US]  
• [X] US 2014123747 A1 20140508 - VEENINGEN DANIEL MARCO [US]  
• [A] WO 2017135827 A1 20170810 - IND CONTROLS AS [NO]  
• See references of WO 2022026683A1

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

DOCDB simple family (publication)  
**WO 2022026683 A1 20220203**; EP 4189213 A1 20230607; EP 4189213 A4 20231227; US 2023287784 A1 20230914

DOCDB simple family (application)  
**US 2021043666 W 20210729**; EP 21851255 A 20210729; US 202118007068 A 20210729