

Title (en)

NANOTRACERS FOR LABELING THE INJECTION WATER IN OIL FIELDS

Title (de)

NANOTRACER ZUR MARKIERUNG DES EINPRESSWASSERS BEI ÖLFELDEN

Title (fr)

NANOTRACEURS POUR LE MARQUAGE D'EAUX D'INJECTION DE CHAMPS PETROLIERS

Publication

EP 2723487 A1 20140430 (FR)

Application

EP 12728613 A 20120622

Priority

- FR 1155513 A 20110622
- EP 2012062075 W 20120622

Abstract (en)

[origin: WO2012175665A1] The field of the present invention relates is that of the exploration for and exploitation of oil deposits. Specifically, the invention relates to the development of nanoparticles that can be used as tracers for tracking the movement of fluids injected into an oil deposit. The injected fluids are diffused through a solid geological medium that constitutes the oil deposit, making it possible to study the latter by tracking the path of the injected fluids. The aim is in particular to monitor the flows between the injection well(s) and the production well(s), and/or to evaluate the amount of reserve oil and water in the deposit, and finally to optimize oil exploration and exploitation.

IPC 8 full level

B01J 13/00 (2006.01); **B01J 13/18** (2006.01)

CPC (source: EP US)

B01J 13/0039 (2013.01 - EP US); **B01J 13/0043** (2013.01 - EP US); **B01J 13/18** (2013.01 - EP US); **B82Y 30/00** (2013.01 - EP US); **C09K 8/588** (2013.01 - US); **E21B 47/11** (2020.05 - EP US); **B82Y 40/00** (2013.01 - EP US)

Citation (search report)

See references of WO 2012175665A1

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)

FR 2976825 A1 20121228; **FR 2976825 B1 20140221**; EP 2723487 A1 20140430; EP 2813287 A2 20141217; EP 2813287 A3 20150304; FR 2976826 A1 20121228; FR 2976826 B1 20130705; US 2014323363 A1 20141030; WO 2012175665 A1 20121227

DOCDB simple family (application)

FR 1155513 A 20110622; EP 12728613 A 20120622; EP 14178564 A 20120622; EP 2012062075 W 20120622; FR 1159676 A 20111025; US 201214128194 A 20120622