Title (en)
SYSTEM AND METHOD FOR PERFORMING STIMULATION OPERATIONS

Title (de)
SYSTEM UND VERFAHREN ZUR DURCHFÜHRUNG VON STIMULATIONSOPERATIONEN

Title (fr)
SYSTÈME ET PROCÉDÉ D'EXÉCUTION D'OPÉRATIONS DE STIMULATION

Publication
EP 2888441 A4 20160914 (EN)

Application
EP 13831027 A 20130823

Priority
• US 201261692867 P 20120824
• US 2013056461 W 20130823

Abstract (en)
[origin: WO2014032003A1] A system and method is provided for performing a fracturing operation about a wellbore penetrating a subterranean formation. The method may acquire integrated wellsite data. The method may generate a mechanical earth model using the integrated wellsite data. The method may simulate an intersection of an induced hydraulic fracture with a natural fracture using the mechanical earth model. The method may determine intersection properties of the intersected natural fracture. The method may also generate a stimulation plan using the mechanical earth model and the intersection properties. The stimulation plan may include a fluid viscosity or a rate of injection of a fracturing fluid.

IPC 8 full level
E21B 43/26 (2006.01); **E21B 47/26** (2012.01); **E21B 49/00** (2006.01)

CPC (source: CN EP US)
E21B 43/26 (2013.01 - CN EP US); **E21B 47/26** (2020.05 - CN); **E21B 49/00** (2013.01 - CN US); **G06F 30/28** (2020.01 - CN EP US)

Citation (search report)
• [X] US 2007272407 A1 20071129 - LEHMAN LYLE V [US], et al
• [A] KENNETH G. NOLTE ET AL: "Interpretation of Fracturing Pressures", JOURNAL OF PETROLEUM TECHNOLOGY., vol. 33, no. 09, 1 September 1981 (1981-09-01), US, pages 1767 - 1775, XP055265564, ISSN: 0149-2136, DOI: 10.2118/8297-PA
• See references of WO 2014032003A1

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 2014032003 A1 20140227; CA 2881718 A1 20140227; CN 104685153 A 20150603; EP 2888441 A1 20150701; EP 2888441 A4 20160914; MX 2015002141 A 20150511; RU 2591857 C1 20160720; US 2015204174 A1 20150723

DOCDB simple family (application)
US 2013056461 W 20130823; CA 2881718 A 20130823; CN 201380051746 A 20130823; EP 13831027 A 20130823; MX 2015002141 A 20130823; RU 2015109728 A 20130823; US 201314423235 A 20130823