

Title (en)

Method for reducing the injection pressure of a polymer solution in an oil well without shear degradation

Title (de)

Verfahren zur Senkung des Bohrlochinjektionsdruckes einer Polymerlösung ohne Scherkraft Abbau

Title (fr)

Procédé de réduction de la pression d'injection d'une solution de polymère dans un puits de pétrole sans cisaillement de ladite solution

Publication

EP 2366868 B1 20130417 (FR)

Application

EP 11305180 A 20110222

Priority

FR 1051847 A 20100316

Abstract (en)

[origin: EP2366868A1] The method involves inserting a main displacement pump between an injection pump and an oil well, where the displacement pump is a gear pump. Speed of the displacement pump is controlled using Telma(RTM: electric brake), where the displacement pump is reversible. The brake is connected to an engine shaft, where speed of the displacement pump is controlled by a valve that is located in downstream of the displacement pump. Closing and opening processes of the displacement pump are managed according to injection pressure determined for the well.

IPC 8 full level

E21B 43/16 (2006.01); **E21B 21/06** (2006.01); **E21B 43/26** (2006.01)

CPC (source: BR EP US)

E21B 21/062 (2013.01 - BR EP US); **E21B 43/16** (2013.01 - BR EP US); **E21B 43/2607** (2020.05 - BR EP US)

Cited by

FR3014475A1; FR3026773A1; FR3014474A1; WO2015086776A3; WO2016051051A1; WO2015086785A3

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)

EP 2366868 A1 20110921; **EP 2366868 B1 20130417**; BR PI1100232 A2 20150707; BR PI1100232 B1 20201124; FR 2957629 A1 20110923; FR 2957629 B1 20120406; MX 2011002672 A 20110921; US 2011226480 A1 20110922; US 8807222 B2 20140819

DOCDB simple family (application)

EP 11305180 A 20110222; BR PI1100232 A 20110223; FR 1051847 A 20100316; MX 2011002672 A 20110310; US 201113044052 A 20110309