

Title (en)
METHOD OF INCREASING THE PERMEABILITY OF A SUBTERRANEAN FORMATION BY CREATING A MULTIPLE FRACTURE NETWORK

Title (de)
VERFAHREN ZUR ERHÖHUNG DER DURCHLÄSSIGKEIT EINER UNTERIRDISCHEN FORMATION DURCH ERZEUGUNG EINES NETZWERKS MIT MEHREREN FRAKTUREN

Title (fr)
PROCÉDÉ CONSISTANT À AUGMENTER LA PERMÉABILITÉ D'UNE FORMATION SOUTERRAINE EN GÉNÉRANT UN RÉSEAU DE MULTIPLES FRACTURES

Publication
EP 2836676 A4 20160727 (EN)

Application
EP 13775769 A 20130411

Priority
• US 201261623515 P 20120412
• US 2013036176 W 20130411

Abstract (en)
[origin: WO2013155307A2] The stimulated rock volume (SRV) of a subterranean formation may be increased by pumping viscous fracturing fluid into the formation in a first stage to create or enlarge a primary fracture, decreasing the pumping in order for the fluid to increase in viscosity within the primary fracture, and then continuing to pump viscous fluid into the formation in a second stage. The fluid pumped into the second stage is diverted away from the primary fracture and a secondary fracture is created. The directional orientation of the secondary fracture is distinct from the directional orientation of the primary fracture. The fluid of the first stage may contain a viscosifying polymer or viscoelastic surfactant or may be slickwater.

IPC 8 full level
E21B 43/26 (2006.01); **C09K 8/60** (2006.01); **E21B 43/267** (2006.01)

CPC (source: EP US)
C09K 8/605 (2013.01 - EP US); **C09K 8/685** (2013.01 - EP US); **C09K 8/885** (2013.01 - EP US); **E21B 43/26** (2013.01 - EP US); **E21B 43/267** (2013.01 - EP US); **C09K 2208/26** (2013.01 - EP US); **C09K 2208/30** (2013.01 - EP US)

Citation (search report)
• [Y] US 2009194273 A1 20090806 - SURJAATMADJA JIM B [US], et al
• [Y] US 2004102330 A1 20040527 - ZHOU JIAN [US], et al
• [Y] WO 2011145966 A1 20111124 - BARMATOV EVGENY BORISOVICH [RU], et al
• See references of WO 2013155307A2

Designated contracting state (EPC)
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DOCDB simple family (publication)
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DOCDB simple family (application)
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