Title (en)

Solvent assisted method to mobilize viscous crude oil

Title (de)

Lösungsmittelunterstütztes Verfahren zur Mobilisierung viskösen Rohöls

Title (fr)

Procédé de solvant assisté pour mobiliser un pétrole brut visqueux

Publication

EP 2022936 A1 20090211 (EN)

Application

EP 07113850 A 20070806

Priority

EP 07113850 A 20070806

Abstract (en)

A solvent assisted method to mobilize viscous crude oil comprises the steps of: - injecting steam and a solvent comprising methane into a viscous crude oil containing formation; and - producing a heated solvent and crude oil containing fluid mixture from the formation. The injection of a solvent comprising methane reduces the viscosity of crude oil and counteracts an increase of the viscosity of the crude oil resulting from flashing of methane during the steam injection.

IPC 8 full level (invention and additional information)

E21B 43/24 (2006.01)

CPC (invention and additional information)

E21B 43/168 (2013.01); **E21B 43/24** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family

EP 2022936 A1 20090211