

Title (en)
DEVICE AND METHOD FOR OBTAINING, IN PARTICULAR IN SITU, A SUBSTANCE CONTAINING CARBON FROM AN UNDERGROUND DEPOSIT

Title (de)
VORRICHTUNG UND VERFAHREN ZUR GEWINNUNG, INSBESONDERE IN-SITU-GEWINNUNG, EINER KOHLENSTOFFHALTIGEN SUBSTANZ AUS EINER UNTERIRDISCHEN LAGERSTÄTTE

Title (fr)
DISPOSITIF ET PROCÉDÉ D'EXTRACTION, NOTAMMENT D'EXTRACTION IN-SITU, D'UNE SUBSTANCE CARBONÉE DANS UN GISEMENT SOUTERRAIN

Publication
EP 2507470 A2 20121010 (DE)

Application
EP 10787342 A 20101123

Priority
• DE 102010023542 A 20100611
• DE 102010008811 A 20100222
• EP 2010067990 W 20101123

Abstract (en)
[origin: CA2790575A1] The invention relates to a device and method for conveying a substance containing hydrocarbons, in particular bitumen or very heavy oil, from a reservoir (7), wherein thermal energy can be provided to the reservoir (7) in order to reduce the viscosity of the substance, for which purpose at least one conductor loop (10, 11) is provided to be inductively supplied with electrical current and serve as an electrical/ electromagnetic heater for the reservoir (7), wherein a pressure-increasing means (2), in particular a pump, is provided in order to inject a liquid into the reservoir (7) in liquid form, wherein a preparation device (31, 35, 37) extracts the liquid to be injected from a reservoir liquid drawn from the reservoir (7) or from a medium drawn from the reservoir (7).

IPC 8 full level
E21B 36/00 (2006.01); **E21B 36/04** (2006.01); **E21B 43/34** (2006.01); **E21B 43/40** (2006.01)

CPC (source: EP US)
E21B 36/006 (2013.01 - EP US); **E21B 36/04** (2013.01 - EP US); **E21B 43/35** (2020.05 - EP US); **E21B 43/40** (2013.01 - EP US)

Citation (examination)
EP 2507471 A2 20121010 - SIEMENS AG [DE]

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)
DE 102010023542 A1 20110825; **DE 102010023542 B4 20120524**; BR 112012020966 A2 20160503; CA 2790575 A1 20110825; CA 2790575 C 20180102; EP 2507470 A2 20121010; RU 2012140491 A 20140327; RU 2579058 C2 20160327; US 2012312538 A1 20121213; US 9175545 B2 20151103; WO 2011101052 A2 20110825; WO 2011101052 A3 20111110

DOCDB simple family (application)
DE 102010023542 A 20100611; BR 112012020966 A 20101123; CA 2790575 A 20101123; EP 10787342 A 20101123; EP 2010067990 W 20101123; RU 2012140491 A 20101123; US 201013578852 A 20101123