

Title (en)  
METHOD FOR EXTRACTING BITUMEN AND/OR ULTRA-HEAVY OIL FROM AN UNDERGROUND DEPOSIT, ASSOCIATED INSTALLATION  
AND OPERATING METHOD FOR SAID INSTALLATION

Title (de)  
VERFAHREN ZUR FÖRDERUNG VON BITUMEN UND/ODER SCHWERSTÖL AUS EINER UNTERIRDISCHEN LAGERSTÄTTE, ZUGEHÖRIGE  
ANLAGE UND BETRIEBSVERFAHREN DIESER ANLAGE

Title (fr)  
PROCÉDÉ D'EXTRACTION DE BITUMES ET/OU DE PÉTROLE EXTRA-LOURD D'UN GISEMENT SOUTERRAIN, INSTALLATION ASSOCIÉE  
ET PROCÉDÉ D'EXPLOITATION DE CETTE INSTALLATION

Publication  
**EP 2324194 A1 20110525 (DE)**

Application  
**EP 09781501 A 20090805**

Priority  
• EP 2009060132 W 20090805  
• DE 102008047219 A 20080915

Abstract (en)  
[origin: WO2010028917A1] As an addition to the known SAGD method, it has already been proposed for the deposit to be heated electrically, in particular inductively. For this purpose, an electrotechnical infrastructure is necessary. According to the invention, the energy for producing the steam and for the electrical heating is generated in situ, for which purpose some of the extracted bitumen and/or ultra-heavy oil is burned in an industrial turbine (1, 11) with a downstream generator (2) coupled to the turbine (1, 11). The industrial turbine may be a gas turbine (1) or a steam turbine (11). In particular, the industrial turbine (1, 11) with the downstream generator (2) is assigned a heat recovery steam generator (16), which serves for producing the steam and consequently takes the form of a boiler. Interim storage of the bitumen and/or ultra-heavy oil produced allows a self-contained circuit to be created, operating autonomously, independently of any external energy supply, with about 20% of the extracted bitumen and/or ultra-heavy oil for extraction.

IPC 8 full level  
**E21B 43/24** (2006.01)

CPC (source: EP US)  
**E21B 43/2401** (2013.01 - EP US); **E21B 43/2408** (2013.01 - EP US)

Citation (search report)  
See references of WO 2010028917A1

Designated contracting state (EPC)  
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 SE SI SK SM TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**WO 2010028917 A1 20100318**; AT E547588 T1 20120315; CA 2737083 A1 20100318; CA 2737083 C 20150421;  
DE 102008047219 A1 20100325; EP 2324194 A1 20110525; EP 2324194 B1 20120229; RU 2011114802 A 20121020;  
RU 2480579 C2 20130427; US 2011227349 A1 20110922; US 8739866 B2 20140603

DOCDB simple family (application)  
**EP 2009060132 W 20090805**; AT 09781501 T 20090805; CA 2737083 A 20090805; DE 102008047219 A 20080915; EP 09781501 A 20090805;  
RU 2011114802 A 20090805; US 200913063500 A 20090805