Title (en)

APPARATUS FOR INDUCTIVE HEATING OF OIL SAND AND HEAVY OIL DEPOSITS BY WAY OF CURRENT-CARRYING CONDUCTORS

Title (de)

ANORDNUNG ZUR INDUKTIVEN HEIZUNG VON ÖLSAND- UND SCHWERSTÖLLAGERSTÄTTEN MITTELS STROMFÜHRENDER LEITER

Title (fr)

AGENCEMENT DE CHAUFFAGE INDUCTIF DES GISEMENTS DE SABLE PÉTROLIFÈRE ET DE PÉTROLE ULTRA LOURD À L'AIDE DE CONDUCTEURS ÉLECTRIQUES

Publication

EP 2250858 B1 20110803 (DE)

Application

EP 09718382 A 20090225

Priority

- EP 2009052183 W 20090225
- DE 102008012855 A 20080306
- DE 102008062326 A 20081215

Abstract (en)

[origin: WO2009109489A1] In an apparatus for the inductive heating of oil sand and heavy oil deposits by way of current-carrying conductors, the conductors comprise individual conductor groups, wherein the conductor groups are designed in periodically repeating sections of defined length defining a resonance length, and wherein two or more of said conductor groups are capacitively coupled. In this way, each conductor can be advantageously insulated and can comprise a single wire.

IPC 8 full level

H05B 6/02 (2006.01); **E21B 43/24** (2006.01)

CPC (source: EP US)

E21B 36/04 (2013.01 - EP US); **E21B 43/2401** (2013.01 - EP US); **H05B 6/105** (2013.01 - EP US); **H05B 6/108** (2013.01 - US); H05B 2214/03 (2013.01 - EP US)

Cited by

WO2015128483A1; CN104518575A; EA035984B1; WO2015128491A1; WO2013079201A1; US10219326B2; US10614930B2; WO2015128484A1; US11183316B2; WO2015128487A1; US10763650B2

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 TR

DOCDB simple family (publication)

WO 2009109489 A1 20090911; AT E519354 T1 20110815; CA 2717607 A1 20090911; CA 2717607 C 20140401; DE 102008062326 A1 20090917; EP 2250858 A1 20101117; EP 2250858 B1 20110803; ES 2367561 T3 20111104; PL 2250858 T3 20111230; PT 2250858 E 20110905; RU 2010140801 A 20120420; RU 2455796 C2 20120710; SI 2250858 T1 20111230; US 10000999 B2 20180619; US 2011006055 A1 20110113; US 2014326444 A1 20141106; US 8766146 B2 20140701

DOCDB simple family (application)

EP 2009052183 W 20090225; AT 09718382 T 20090225; CA 2717607 A 20090225; DE 102008062326 A 20081215; EP 09718382 A 20090225; ES 09718382 T 20090225; PL 09718382 T 20090225; PT 09718382 T 20090225; RU 2010140801 A 20090225; SI 200930090 T 20090225; US 201414285767 A 20140523; US 92086909 A 20090225