

Title (en)
Inductor and method for heating a geological formation

Title (de)
Induktor und Verfahren zur Heizung einer geologischen Formation

Title (fr)
Inducteur et procédé de chauffage d'une formation géologique

Publication
EP 2947262 B1 20161214 (DE)

Application
EP 14169325 A 20140521

Priority
EP 14169325 A 20140521

Abstract (en)
[origin: CA2949575A1] The invention relates to an inductor (1) for heating a geological formation, in particular a deposit (100) of a hydrocarbon-containing substance, such as an oil sands deposit, oil shale deposit, or heavy oil deposit, by means of electromagnetic induction, in particular in order to extract the hydrocarbon-containing substance from the deposit (100). The inductor (1) comprises at least one conductor (2), wherein the conductor (2) has at least one interruption point (4), wherein a rounded-off conductive body (40) is attached at least at an end region (6) of the conductor (2) at the interruption point (4). In particular, a bundle of wires can be interrupted and connected by means of the rounded-off conductive body (40). The invention further relates to an operating method and to a production method for the inductor.

IPC 8 full level
E21B 43/24 (2006.01); **H05B 6/10** (2006.01); **H05B 6/62** (2006.01)

CPC (source: EP)
E21B 43/2401 (2013.01); **H05B 6/108** (2013.01); **H05B 2214/03** (2013.01)

Cited by
WO2016173962A1

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)
EP 2947262 A1 20151125; **EP 2947262 B1 20161214**; CA 2949575 A1 20151126; CA 2949575 C 20180710; EA 201692324 A1 20170331; WO 2015176904 A1 20151126

DOCDB simple family (application)
EP 14169325 A 20140521; CA 2949575 A 20150422; EA 201692324 A 20150422; EP 2015058667 W 20150422