

Title (en)

INSULATING BLOCKS AND METHODS FOR INSTALLATION IN INSULATED CONDUCTOR HEATERS

Title (de)

ISOLATIONSBLOCKS UND VERFAHREN ZU IHRER INSTALLATION IN ISOLIERTEN LEITERERHITZERN

Title (fr)

BLOCS ISOLANTS ET PROCÉDÉS POUR INSTALLATION DANS DES ÉLÉMENTS CHAUFFANTS À CONDUCTEUR ISOLÉ

Publication

EP 2556721 A1 20130213 (EN)

Application

EP 11766713 A 20110407

Priority

- US 32266410 P 20100409
- US 2011031543 W 20110407

Abstract (en)

[origin: WO2011127257A1] An insulated conductor heater may include an electrical conductor that produces heat when an electrical current is provided to the electrical conductor. An electrical insulator at least partially surrounds the electrical conductor. The electrical insulator comprises a resistivity that remains substantially constant, or increases, over time when the electrical conductor produces heat. An outer electrical conductor at least partially surrounds the electrical insulator.

IPC 8 full level

E21B 36/04 (2006.01); **H05B 3/40** (2006.01)

CPC (source: EP)

E21B 36/04 (2013.01); **H05B 3/40** (2013.01)

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)

WO 2011127257 A1 20111013; AU 2011237476 A1 20120927; AU 2011237476 B2 20150122; AU 2011237479 A1 20120927; AU 2011237479 B2 20150129; AU 2011237617 A1 20120920; CA 2793627 A1 20111013; CA 2793627 C 20190611; CA 2794569 A1 20111013; CA 2794689 A1 20111013; CN 102835185 A 20121219; CN 102835185 B 20151125; CN 102844520 A 20121226; CN 102844520 B 20160203; CN 102884279 A 20130116; CN 102884279 B 20160120; EP 2556208 A1 20130213; EP 2556208 A4 20140702; EP 2556210 A1 20130213; EP 2556210 A4 20140709; EP 2556721 A1 20130213; EP 2556721 A4 20140702; JP 2013524055 A 20130617; JP 2013524056 A 20130617; JP 2013524465 A 20130617; JP 5868942 B2 20160224; RU 2012147630 A 20140520; RU 2570508 C2 20151210; WO 2011127272 A1 20111013; WO 2011127275 A1 20111013

DOCDB simple family (application)

US 2011031543 W 20110407; AU 2011237476 A 20110407; AU 2011237479 A 20110407; AU 2011237617 A 20110407; CA 2793627 A 20110407; CA 2794569 A 20110407; CA 2794689 A 20110407; CN 201180018269 A 20110407; CN 201180018299 A 20110407; CN 201180018322 A 20110407; EP 11766713 A 20110407; EP 11766724 A 20110407; EP 11766725 A 20110407; JP 2013503946 A 20110407; JP 2013503949 A 20110407; JP 2013503950 A 20110407; RU 2012147630 A 20110407; US 2011031565 W 20110407; US 2011031570 W 20110407