

Title (en)

HEATER ROD COMPRISING A CASING IN WHICH AT LEAST ONE ELECTRICAL RESISTANCE HEATING ELEMENT IS MOUNTED

Title (de)

HEIZSTAB MIT EINEM GEHÄUSE MIT MINDESTENS EINEM MONTIERTEN ELEKTRISCHEN WIDERSTANDSHEIZELEMENT

Title (fr)

CANNE CHAUFFANTE COMPRENANT UNE ENVELOPPE DANS LAQUELLE AU MOINS UNE RÉSISTANCE ÉLECTRIQUE CHAUFFANTE EST MONTÉE

Publication

EP 2589261 A1 20130508 (FR)

Application

EP 11741477 A 20110628

Priority

- FR 1002793 A 20100701
- FR 2011051501 W 20110628

Abstract (en)

[origin: WO2012001294A1] The invention relates to a heater rod comprising a casing (1) in which at least one electrical resistance heating element (4) is mounted, an internal insulator (5) being placed in the casing (1) to ensure thermal conduction and electrical insulation between said resistance element and said casing, the resistance element (4) being formed from at least one heating wire having a helical geometry and the internal insulator (5) being based on boron nitride.

IPC 8 full level

H05B 3/48 (2006.01)

CPC (source: EP KR US)

H01C 17/02 (2013.01 - US); **H05B 3/44** (2013.01 - US); **H05B 3/48** (2013.01 - EP KR US); **Y10T 29/49083** (2015.01 - EP US)

Citation (search report)

See references of WO 2012001294A1

Citation (examination)

US 2004211771 A1 20041028 - CRANDELL WALTER [US]

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 2012001294 A1 20120105; CN 103155696 A 20130612; EP 2589261 A1 20130508; FR 2962296 A1 20120106; FR 2962296 B1 20151218; KR 20130094780 A 20130826; RU 2013103500 A 20140810; US 2013098896 A1 20130425

DOCDB simple family (application)

FR 2011051501 W 20110628; CN 201180038123 A 20110628; EP 11741477 A 20110628; FR 1002793 A 20100701; KR 20137002295 A 20110628; RU 2013103500 A 20110628; US 201113806867 A 20110628