

Title (en)
HEATER AND GLOWPLUG

Title (de)
HEIZELEMENT UND GLÜHKERZE

Title (fr)
DISPOSITIF DE CHAUFFAGE ET BOUGIE DE PRÉCHAUFFAGE

Publication
EP 3113575 A1 20170104 (EN)

Application
EP 15754614 A 20150225

Priority
• JP 2014035719 A 20140226
• JP 2015055334 W 20150225

Abstract (en)
A heater includes a ceramic body having a rod shape; a heating resistor embedded in the ceramic body; a conductor layer on at least one end surface of the ceramic body, electrically connected to the heating resistor; a metal cap attached to an end portion of the ceramic body at a site near the end surface, the metal cap covering at least a portion of the conductor layer and the end surface with a gap therebetween and including a through hole; and a lead terminal inserted in the through hole and electrically connected to the conductor layer. An end portion of the lead terminal disposed in the gap includes a portion that is outside the through hole when viewed in a penetrating direction of the through hole.

IPC 8 full level
F23Q 7/00 (2006.01); **H05B 3/02** (2006.01); **H05B 3/48** (2006.01)

CPC (source: EP)
F23Q 7/001 (2013.01); **H05B 3/06** (2013.01); **H05B 3/48** (2013.01); **H05B 2203/027** (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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3113575 A1 20170104; **EP 3113575 A4 20171011**; **EP 3113575 B1 20191218**; JP 6204566 B2 20170927; JP WO2015129722 A1 20170330; WO 2015129722 A1 20150903

DOCDB simple family (application)
EP 15754614 A 20150225; JP 2015055334 W 20150225; JP 2016505248 A 20150225