

Title (en)  
HEATER

Title (de)  
HEIZUNG

Title (fr)  
ÉLÉMENT CHAUFFANT

Publication  
**EP 2941090 A1 20151104 (EN)**

Application  
**EP 13869090 A 20131227**

Priority  
• JP 2012284051 A 20121227  
• JP 2013085105 W 20131227

Abstract (en)  
A heater of the present invention comprises a ceramic structure, and a heating resistor embedded in the ceramic structure and including a folded portion. The ceramic structure includes, in a surface facing the folded portion, a groove portion that surrounds the folded portion in opposing relation.

IPC 8 full level  
**F23Q 7/00** (2006.01); **H05B 3/14** (2006.01); **H05B 3/48** (2006.01)

CPC (source: EP)  
**F23Q 7/001** (2013.01); **H05B 3/141** (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 2941090 A1 20151104**; **EP 2941090 A4 20160817**; **EP 2941090 B1 20180221**; JP 5960845 B2 20160802; JP WO2014104293 A1 20170119; WO 2014104293 A1 20140703

DOCDB simple family (application)  
**EP 13869090 A 20131227**; JP 2013085105 W 20131227; JP 2014554592 A 20131227