

Title (en)
HEATER

Title (de)
HEIZUNG

Title (fr)
ÉLÉMENT CHAUFFANT

Publication
EP 2941090 A4 20160817 (EN)

Application
EP 13869090 A 20131227

Priority
• JP 2012284051 A 20121227
• JP 2013085105 W 20131227

Abstract (en)
[origin: EP2941090A1] 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
H05B 3/48 (2006.01); **F23Q 7/00** (2006.01); **H05B 3/14** (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)

Citation (search report)
• [XAY] DE 2022282 A1 19711118 - VILLAMOS IPARI KUTATO INTEZET
• [X] EP 0635993 A2 19950125 - TDK CORP [JP]
• [Y] FR 2898960 A1 20070928 - RENAULT SAS [FR]
• [A] EP 1612486 A2 20060104 - NGK SPARK PLUG CO [JP]
• See references of WO 2014104293A1

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 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