

Title (en)  
HEATER

Title (de)  
HEIZUNG

Title (fr)  
RÉCHAUFFEUR

Publication  
**EP 3101997 A1 20161207 (EN)**

Application  
**EP 15742735 A 20150130**

Priority  
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Abstract (en)  
A heater including a ceramic body having a columnar shape or a tubular shape, a heating resistor in the ceramic body, a metal tube in which the whole of the ceramic body is disposed, and an insulating member disposed between at least a portion of the ceramic body and the metal tube. The insulating member includes a tubular portion in contact with an outer circumferential surface of the ceramic body at an inner circumferential surface thereof and in contact with an inner circumferential surface of the metal tube at an outer circumferential surface thereof.

IPC 8 full level  
**H05B 3/48** (2006.01)

CPC (source: EP)  
**F24H 1/0018** (2013.01); **H05B 3/06** (2013.01); **H05B 3/48** (2013.01); **H05B 3/78** (2013.01); **H05B 2203/012** (2013.01); **H05B 2203/021** (2013.01); **H05B 2203/022** (2013.01); **H05B 2203/027** (2013.01)

Cited by  
CN111279791A

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)  
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