

Title (en)  
HEATER

Title (de)  
HEIZER

Title (fr)  
APPAREIL DE CHAUFFAGE

Publication  
**EP 3618566 A1 20200304 (EN)**

Application  
**EP 18790840 A 20180424**

Priority  
• JP 2017087327 A 20170426  
• JP 2018016616 W 20180424

Abstract (en)  
A heater according to the disclosure includes a ceramic body (1) having a rod shape or tubular shape, the ceramic body (1) including, in an outer peripheral surface thereof, a slit-shaped recess (11) extending from a front end toward a rear end of the ceramic body (1); and a heat-generating resistor (2) embedded inside the ceramic body (1). The heat-generating resistor (2) includes a first resistor (21) and a second resistor (22) which are disposed in parallel. The heat-generating resistor (2) includes a first region (31) where the first resistor (21) and the second resistor (22) extend, in a meandering manner, in parallel along a circumferential direction of the ceramic body (1) between the front end and rear end of the ceramic body (1), and a second region (32) located near the slit-shaped recess (11), the second region (32) where only the first resistor (21) extends in a meandering manner.

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

CPC (source: EP KR)  
**H05B 3/48** (2013.01 - EP KR); **H05B 2203/002** (2013.01 - KR); **H05B 2203/003** (2013.01 - EP); **H05B 2203/013** (2013.01 - EP); **H05B 2203/021** (2013.01 - EP); **H05B 2203/022** (2013.01 - EP)

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 3618566 A1 20200304**; **EP 3618566 A4 20210106**; **EP 3618566 B1 20211103**; CN 110521279 A 20191129; CN 110521279 B 20211123; JP 6510739 B2 20190508; JP WO2018199094 A1 20190627; KR 102207442 B1 20210126; KR 20190124764 A 20191105; WO 2018199094 A1 20181101

DOCDB simple family (application)  
**EP 18790840 A 20180424**; CN 201880025057 A 20180424; JP 2018016616 W 20180424; JP 2018557959 A 20180424; KR 20197029101 A 20180424