

Title (en)

CERAMIC HEATER

Title (de)

KERAMIKERHITZER

Title (fr)

ÉLÉMENT CHAUFFANT CÉRAMIQUE

Publication

EP 3432681 B1 20240529 (EN)

Application

EP 17766152 A 20170209

Priority

- JP 2016051823 A 20160316
- JP 2016051824 A 20160316
- JP 2017004800 W 20170209

Abstract (en)

[origin: EP3432681A1] A ceramic heater of the present disclosure includes a ceramic sheet which is wrapped around an outer periphery of a support member, and includes a heater wire. The heater wire includes: wiring portions extending along an axial direction of the support member; and a connection portion connecting adjacent wiring portions to each other. The wiring portions include: a pair of outer wiring portions disposed on opposite sides from each other with a wrapping-ends meeting portion of the ceramic sheet therebetween; and an inner wiring portion disposed, in the ceramic sheet, between the pair of outer wiring portions. Each outer wiring portion has a cross-sectional area larger than that of the inner wiring portion.

IPC 8 full level

H05B 3/48 (2006.01); **H05B 3/10** (2006.01); **H05B 3/14** (2006.01); **H05B 3/18** (2006.01); **H05B 3/46** (2006.01)

CPC (source: EP KR)

H05B 3/10 (2013.01 - KR); **H05B 3/18** (2013.01 - KR); **H05B 3/283** (2013.01 - KR); **H05B 3/48** (2013.01 - EP KR); **H05B 2203/013** (2013.01 - EP); **H05B 2203/017** (2013.01 - EP)

Citation (examination)

- EP 0701979 B1 19981104 - NGK SPARK PLUG CO [JP]
- DE 10100125 B4 20150108 - KYOCERA CORP [JP]

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 3432681 A1 20190123; **EP 3432681 A4 20191113**; **EP 3432681 B1 20240529**; CN 108781482 A 20181109; CN 108781482 B 20210827; JP 6811177 B2 20210113; JP WO2017159144 A1 20180322; KR 20180125993 A 20181126; WO 2017159144 A1 20170921

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