

Title (en)

HEATING CELL, HEATER USING SAME, HEATING SYSTEM AND USE THEREOF

Title (de)

WÄRMEZELLE, HEIZER DAMIT, HEIZSYSTEM UND VERWENDUNG DAVON

Title (fr)

CELLULE CHAUFFANTE, APPAREIL DE CHAUFFAGE UTILISANT CELLE-CI, SYSTÈME DE CHAUFFAGE ET UTILISATION DE CE DERNIER

Publication

**EP 3133348 A4 20180110 (EN)**

Application

**EP 15846187 A 20150930**

Priority

- ES 201431449 A 20141001
- ES 2015070712 W 20150930

Abstract (en)

[origin: EP3133348A1] The present invention details a solution to the problem of transforming, with high efficiency, microwave energy into heat by means of heating units in the form of low-power heating cells that allow microwave energy to be propagated along transverse electromagnetic mode electrical transmission lines to ceramic materials with high dielectric loss in the microwave region. Said low-power heating cells are integrated in a heating unit. The set of heating units form a heating system with microwave energy that uses an electric low-power line.

IPC 8 full level

**F24C 7/02** (2006.01); **H05B 6/64** (2006.01)

CPC (source: EP)

**F24C 7/02** (2013.01); **H05B 6/6491** (2013.01); **H05B 6/702** (2013.01); **H05B 6/72** (2013.01); **H05B 6/80** (2013.01)

Citation (search report)

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- [A] US 6093921 A 20000725 - GAISFORD SCOTT [US], et al
- [A] EP 0480273 A1 19920415 - ROEHM GMBH [DE]
- [A] WO 2013085116 A1 20130613 - KOREA RAILROAD RES INST [KR], et al
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Designated contracting state (EPC)

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DOCDB simple family (publication)

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