

Title (en)  
MICROWAVE HEATING DEVICE

Title (de)  
MIKROWELLENHEIZVORRICHTUNG

Title (fr)  
DISPOSITIF DE CHAUFFAGE À MICRO-ONDES

Publication  
**EP 2741575 A4 20150107 (EN)**

Application  
**EP 12820421 A 20120217**

Priority  
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Abstract (en)  
[origin: EP2741575A1] In a microwave heating device according to the present invention, a feeding portion (22) for radiating microwaves includes a vertical shaft element (22b) provided in the vertical direction by penetrating through a coupling hole (25) formed in portions at which a feeding chamber (24) and a waveguide (21) are bonded to each other, and a flat-plate element (22a) having a radiation surface for radiating microwaves within the heating chamber, wherein the flat-plate element (22a) is bonded to the vertical shaft element. At least a partial radiation surface, out of the microwave radiation surface of the flat-plate element, is placed to be inclined at a predetermined angle  $\theta$  with respect to a horizontal direction.

IPC 8 full level  
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Citation (search report)  
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• [X] US 4580023 A 19860401 - SIMPSON JAMES E [US]  
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• See references of WO 2013018244A1

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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)  
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**EP 12820421 A 20120217**; CN 201280038403 A 20120217; JP 2012001063 W 20120217; JP 2013526711 A 20120217; TW 101106347 A 20120224