

Title (en)  
MICROWAVE HEATING DEVICE

Title (de)  
MIKROWELLENHEIZVORRICHTUNG

Title (fr)  
DISPOSITIF DE CHAUFFAGE PAR MICRO-ONDES

Publication  
**EP 2738474 B1 20161214 (EN)**

Application  
**EP 12817529 A 20120206**

Priority  
• JP 2011161680 A 20110725  
• JP 2012000772 W 20120206

Abstract (en)  
[origin: EP2738474A1] In a microwave heating device including a roasting grid (4A, 4B) for placing an object to be heated thereon, the roasting grid includes an outer frame (21A, 21B) and a plurality of bridge members (20, 26, 27) formed from metal rod members which are across the outer frame. In the bridge members and in a closed loop having a single opening which is formed by the bridge members and the outer frame, a single side formed by one of the bridge members or one portion of the outer frame is made to have a length different from an integer multiple of  $1/2$  the wavelength of the microwave, and a single side formed by one of the bridge members or one portion of the outer frame which is contacted at its one end with a wall surface of a heating chamber and is placed at its other end within the heating chamber is made to have a length different from an integer multiple of  $1/4$  the wavelength of the microwave. This provides a microwave heating device with less energy losses and with higher efficiency.

IPC 8 full level  
**F24C 7/02** (2006.01)

CPC (source: EP)  
**H05B 6/6408** (2013.01)

Cited by  
EP2993960A1

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DOCDB simple family (publication)  
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