

Title (en)

Microwave heating device

Title (de)

Mikrowellenheizvorrichtung

Title (fr)

Dispositif de chauffage par micro-ondes

Publication

EP 1521501 A1 20050406 (EN)

Application

EP 03102665 A 20030828

Priority

EP 03102665 A 20030828

Abstract (en)

Microwave heating device intended for heating load(s) and comprising a cylinder-shaped cavity (2) enclosed by a periphery wall, said cavity is provided with a microwave feeding means (10). The heating device comprises a dielectric wall structure (8) arranged inside said cavity between said periphery wall and said load(s), wherein said microwave feeding means is arranged to generate a microwave field being an arch surface hybrid mode having TE and TM type properties inside said cavity in order to heat the load(s). <IMAGE>

IPC 1-7

H05B 6/70; **H05B 6/74**; **H05B 6/80**

IPC 8 full level

H05B 6/70 (2006.01); **H05B 6/74** (2006.01); **H05B 6/80** (2006.01)

CPC (source: EP)

H05B 6/6402 (2013.01); **H05B 6/708** (2013.01); **H05B 6/806** (2013.01)

Citation (search report)

- [DA] US 3848106 A 19741112 - BERGGREN B, et al
- [DA] US 5834744 A 19981110 - RISMAN PER O [SE]
- [DA] WO 0162379 A1 20010830 - PERSONAL CHEMISTRY I UPPSALA [SE], et al

Designated contracting state (EPC)

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