

Title (en)
DEVICE FOR HEATING A MATERIAL BY MICROWAVE APPLICATION

Title (de)
MIKROWELLENHEIZVORRICHTUNG

Title (fr)
DISPOSITIF DE CHAUFFAGE D'UN MATERIAU PAR APPLICATION DE MICRO-ONDES

Publication
EP 1329135 A1 20030723 (FR)

Application
EP 01978704 A 20011015

Priority
• FR 0013425 A 20001018
• IB 0101945 W 20011015

Abstract (en)
[origin: FR2815512A1] A microwave oven has a working space (3) supplied with microwaves by a magnetron (1) through an antenna (4) and waveguide (5). A patch antenna (10) is located opposite to the waveguide aperture (6) and is connected to an electromagnetic wave propagation line (11) of variable length (35) with a termination (12) which is adapted to reflect the incident waves back into the working space and improve the uniformity of heating.

IPC 1-7
H05B 6/72; H05B 6/80; H05B 6/64

IPC 8 full level
H05B 6/72 (2006.01)

CPC (source: EP KR)
H05B 6/64 (2013.01 - KR); **H05B 6/72** (2013.01 - EP)

Citation (search report)
See references of WO 0234013A1

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FR 2815512 A1 20020419; **FR 2815512 B1 20080606**; CN 100411494 C 20080813; CN 1528107 A 20040908; EP 1329135 A1 20030723; KR 20030072340 A 20030913; WO 0234013 A1 20020425

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