

Title (en)  
DEVICE FOR COUPLING A MICRO-WAVE FIELD TO A MICRO-WAVE OVEN

Publication  
**EP 0284958 B1 19920603 (DE)**

Application  
**EP 88104551 A 19880322**

Priority  
CH 113787 A 19870324

Abstract (en)  
[origin: EP0284958A1] In order to achieve better decoupling between the microwave transmitter (1) and the cooking chamber (3) in a microwave oven, the microwave field is guided by a waveguide (2) into a resonator cavity (5), which is connected to the cooking chamber (3) via injection openings (6). The resonator cavity (5) forms a metalically sealed box. As a result of the design of the injection openings (6) and the arrangement of coupling pins (9) in the resonator cavity, it is possible to direct the microwave field in all dimensions, before and during injection into the cooking chamber. In addition, a field distributor can move the microwave field in all three dimensions. An optimum heat distribution in the cooking chamber can be achieved overall. <IMAGE>

IPC 1-7  
**H05B 6/72**

IPC 8 full level  
**H05B 6/72** (2006.01)

CPC (source: EP)  
**H05B 6/72** (2013.01); **H05B 2206/044** (2013.01)

Cited by  
EP0949847A3; FR2751055A1; US6057535A; WO9803041A1; EP3448121A1

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