

Title (en)

A microwave oven optionally also having thermal operation.

Title (de)

Mikrowellenofen, wahlweise mit Widerstandsbeheizung.

Title (fr)

Four à micro-ondes équipé en option d'un élément chauffant à résistance.

Publication

EP 0374520 A1 19900627 (EN)

Application

EP 89121703 A 19891124

Priority

IT 4577288 A 19881219

Abstract (en)

The present invention relates to a microwave oven (1) provided with a space (7) between the continuous front edge of the wall (4) of the cooking cavity and the edge (5) of the frame (3) surrounding the entrance to the cavity, that is equipped with a means (8) for shielding the electromagnetic radiation. The space (7) is usually filled with a thermal seal (6) made of a thermally and electrically nonconductive material. The means (8) comprises a structural shape of metal having a substantially U-shaped cross section and bent according to a rectangular development having dimensions hardly greater than the outside dimensions of the cavity. The means (8), mounted about the cavity in a position behind the front frame (3), constitutes with its U shape an efficient trap that prevents the microwaves from escaping from the aforesaid space (7) due to the different electrical potential between the cavity and the frame (3) of the oven.

IPC 1-7

H05B 6/76

IPC 8 full level

H05B 6/76 (2006.01)

CPC (source: EP)

H05B 6/763 (2013.01)

Citation (search report)

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- [A] DE 2622363 A1 19761202 - MATSUSHITA ELECTRIC IND CO LTD
- [A] US 3748424 A 19730724 - FITZMAYER L

Cited by

EP2950617A1; WO2016083070A1

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

EP 0374520 A1 19900627; IT 1225856 B 19901207; IT 8845772 A0 19881219

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