

Title (en)

Microwave oven.

Title (de)

Mikrowellenofen.

Title (fr)

Four à micro-ondes.

Publication

**EP 0006997 A1 19800123 (DE)**

Application

**EP 79101781 A 19790606**

Priority

- DE 2830658 A 19780712
- DE 2834368 A 19780804

Abstract (en)

[origin: US4303817A] Microwave oven having an oven muffle connected to a high frequency oscillator and a rotatable shaft brought through an opening in a metallic muffle wall with clearance. To prevent microwave energy which is brought into the cooking chamber or muffle from a high frequency generator from getting to the outside through the opening in the muffle wall, i.e. through the clearance, a microwave seal is provided comprising a metallic disc spaced a short distance from and parallel to the muffle wall to form a gap-like microwave transmission line and an annular slot-like microwave pocket adjacent the transmission line with the opening of the pocket next to the opening in the muffle wall.

Abstract (de)

Mikrowellenofen mit einer für Mikrowellen dicht verschliessbaren Ofenmuffeln, wobei eine Muffelwand eine Durchführung, z.B. für die Antriebswelle eines Umluftgebläses, aufweist. Im Inneren der Muffel ist eine spaltartige Mikrowellenleitung (23) sowie eine ringnutartige Mikrowellentasche (24,27) vorzugsweise in der Gebläsenabe vorgesehen.

IPC 1-7

**H05B 6/80**; H05B 6/64; F24C 7/02

IPC 8 full level

**H05B 6/76** (2006.01)

CPC (source: EP US)

**H05B 6/76** (2013.01 - EP US)

Citation (search report)

- US 2470805 A 19490524 - JOHN COLLARD
- FR 2291595 A1 19760611 - SIEMENS AG [DE]
- FR 1571130 A 19690613
- US 3431381 A 19690304 - ANDERSON CARL L
- FR 1557372 A 19690214
- GB 612409 A 19481112 - SPERRY GYROSCOPE CO INC

Cited by

EP0670587A1; EP3343110A4; US10697643B2

Designated contracting state (EPC)

BE CH FR GB IT LU NL SE

DOCDB simple family (publication)

**EP 0006997 A1 19800123**; **EP 0006997 B1 19830119**; US 4303817 A 19811201

DOCDB simple family (application)

**EP 79101781 A 19790606**; US 5607379 A 19790709