

Title (en)

Microwave oven comprising a cavity and a wave guide using a material designed to be enamelled at a high temperature

Title (de)

Mikrowellenofen, der einen Hohlraum und einen Wellenleiter umfasst, für den ein Material verwendet wird, das bei hoher Temperatur emailliert wird

Title (fr)

Four à micro-ondes comprenant une cavité et un guide d'ondes utilisant un matériau destiné à être émaillé à haute température

Publication

EP 1940200 B1 20090902 (FR)

Application

EP 07123734 A 20071219

Priority

FR 0611496 A 20061227

Abstract (en)

[origin: EP1940200A1] The oven (1) has a wave chain provided with a magnetron (4) and a power supply for powering the magnetron, where the wave chain supplies electromagnetic waves to a cavity (2) of the oven through a waveguide (3). The cavity is connected to the waveguide by openings (6, 8) forming a wave outlet (21), which couples the cavity and the waveguide, where the cavity has a ring (9) and a base wall (10). The cavity and the waveguide are made of identical enamel material e.g. decarburized steel, where inner walls of the waveguide are coated with a deposit of non-ferrous metal e.g. nickel. An independent claim is also included for a method for manufacturing a microwave oven.

IPC 8 full level

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

CPC (source: EP)

H05B 6/6402 (2013.01); **H05B 6/707** (2013.01)

Cited by

CN104676667A; EP2470482A4

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