

Title (en)

A method of manufacturing doors for domestic ovens combining microwave and electrical resistance heating.

Title (de)

Verfahren zur Herstellung von Türen für Haushaltsherde, die Mikrowellen- und elektrische Widerstandsheizung vereinigen.

Title (fr)

Procédé pour la fabrication des portes pour fourneaux qui combinent le chauffage à micro-ondes et à résistance électrique.

Publication

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Application

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Priority

IT 2186683 A 19830630

Abstract (en)

A method of manufacturing doors for domestic ovens combining microwave and electrical resistance heating. An inner backing door (5) comprising an outer side wall (6) having a plurality of transversal slots (7), a stiffening frame (11), and an outer backing door (16) comprising a supporting side wall (26) are pressed from sheet steel. A flat metal sheet is punched and pressed to form a perforated microwave shield (14). The stiffening frame (11) is welded to the inner backing door (5) to form a sub-assembly. The sub-assembly (5, 11) and the outer backing door (16) are selectively enamelled so that each comprises a zone (12, 17) free from enamel, and are heated to a temperature exceeding 700 DEG C. A gasket (13), a first glass pane (12A) and the shield (14) are placed on the sub-assembly (5, 11) to which the outer door (16) is fastened so that the shield (14) is clamped between the non-enamelled zones (12, 17). A second glass pane (28) is placed on the outer backing door (16) and fastened to the supporting side wall (26).

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