

Title (en)

Method for manufacturing front sheet and microwave oven having the same

Title (de)

Verfahren zur Herstellung einer Frontplatte und Mikrowellenofens mit derselben

Title (fr)

Procédé de fabrication d'une plaque frontale et four à micro-ondes comportant la même

Publication

EP 1229153 A3 20040204 (EN)

Application

EP 01109697 A 20010419

Priority

KR 20010004575 A 20010131

Abstract (en)

[origin: EP1229153A2] The present invention relates to a front sheet of a microwave oven and a method for manufacturing the front sheet. The method for manufacturing the front sheet of the microwave oven according to the present invention comprises a first process including a chemical polishing process of removing foreign materials from and polishing a surface of an aluminum sheet so as to give a predetermined luster thereto; a process of forming a porous anodic oxide film onto the surface of the aluminum sheet; a process of dipping the aluminum sheet into a solution containing a dye and penetrating the dye into a porous film of the anodic oxide film; and a process of sealing the porous film into which the dye has been penetrated. The microwave oven according to the present invention includes a colored front sheet manufactured by anodizing and dyeing the surface of the aluminum sheet and attached to a front face of a door portion or a control panel portion of the microwave oven.

IPC 1-7

C25D 11/16; **C25D 11/18**; **H05B 6/80**

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

- [A] US 4444628 A 19840424 - FURUKAWA SHICHIRO [JP], et al
- [A] DE 29610621 U1 19961219 - BADER VOLKER [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 008, no. 199 (C - 242) 12 September 1984 (1984-09-12)
- [A] WERNICK, PINNER: "The surface treatment of aluminium and its alloys, vol 1 and 2", 1987, FINISHING PUBLICATIONS, TEDDINGTON, ENGLAND, XP002264368

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DOCDB simple family (publication)

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DOCDB simple family (application)

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