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(54) **Method for manufacturing front sheet and microwave oven having the same**

(57) 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.

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EUROPEAN SEARCH REPORT

Application Number
EP 01 10 9697

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	PATENT ABSTRACTS OF JAPAN vol. 008, no. 199 (C-242), 12 September 1984 (1984-09-12) & JP 59 089794 A (KORONA KOGYO KK), 24 May 1984 (1984-05-24) * abstract *		C25D11/16 C25D11/18 H05B6/80
A	US 4 444 628 A (FURUKAWA SHICHIRO ET AL) 24 April 1984 (1984-04-24)		
A	WERNICK, PINNER: "The surface treatment of aluminium and its alloys, vol 1 and 2" 1987, FINISHING PUBLICATIONS, TEDDINGTON, ENGLAND XP002264368 * page 36-37 * * page 109-110 * * page 160-161 * * page 730-732 * * page 773-774 *		
A	DE 296 10 621 U (BADER VOLKER) 19 December 1996 (1996-12-19)		TECHNICAL FIELDS SEARCHED (Int.Cl.7) H05B C25D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 9 December 2003	Examiner Van Leeuwen, R
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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