

Title (en)  
BURNER CASING PART ON THE AIR SUCTION SIDE

Publication  
**EP 0148485 A3 19860205 (DE)**

Application  
**EP 84116049 A 19841221**

Priority  
DE 3347204 A 19831227

Abstract (en)  
[origin: EP0148485A2] 1. Air intake housing part of a burner housing for an oil, gas or two-fuel burner, particularly a large burner, having an air inlet, an air connecting opening associated with the axial entry area of the fan wheel, the plane of opening thereof extending substantially at right angles to that of the air inlet, and a sound absorber which is constructed in the housing section opposite the air inlet, characterized in that the air connecting opening (12) is centrally aligned with the axial entry area of the fan wheel, the sound absorber (15) has a core (25) of sound-absorbing material which has acoustic sides (21, 22) facing both the air inlet in the form of an opening (11) and also the air connecting opening (12), whilst the surfaces thereof located beyond the acoustic sides are provided with a covering (27) of plastics composition of greater specific weight than the core material, this covering abutting on and firmly adhering to the adjacent inner surfaces of the housing part (7), the core (25) being introduced into the enclosed area thereof by foaming.

IPC 1-7  
**F23D 11/00**; **F04D 29/66**

IPC 8 full level  
**F04D 29/66** (2006.01); **F23D 11/00** (2006.01); **F23D 11/36** (2006.01)

CPC (source: EP)  
**F04D 29/664** (2013.01); **F23D 11/001** (2013.01); **F23D 11/36** (2013.01)

Citation (search report)  
• [Y] US 2187055 A 19400116 - FRANCIS REGNIER ROMEO  
• [Y] FR 1596223 A 19700615  
• [AP] WO 8401809 A1 19840510 - VAILLANT JOH GMBH & CO [DE]  
• [A] US 2456930 A 19481221 - DE LANCEY WARREN H  
• [A] US 3537544 A 19701103 - KING REYNOLD C  
• [A] DE 2555930 A1 19770616 - GRETSCH UNITAS GMBH  
• [A] DE 1263265 B 19680314 - JENN AIR CORP  
• [A] DE 2227426 A1 19731220 - TEXACO DEVELOPMENT CORP

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0148485 A2 19850717**; **EP 0148485 A3 19860205**; **EP 0148485 B1 19880601**; AT E34827 T1 19880615; DE 3347204 A1 19850711; DE 3347204 C2 19900802; DE 3471733 D1 19880707

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