

Title (en)
HEATING APPLIANCE, ESPECIALLY A HEATING APPLIANCE FOR A VEHICLE

Publication
EP 0377797 B1 19930901 (DE)

Application
EP 89119790 A 19891025

Priority
DE 3900438 A 19890110

Abstract (en)
[origin: JPH02230052A] PURPOSE: To supply a more preferable combustion air flow to a burner, so that, particularly, the capacity of the burner may be optimized and the environmental pollution may be reduced, by making the combustion air flow in the space section formed of sleeve members surrounding a burner member on the way to a combustion chamber. CONSTITUTION: In a heating device, sleeve members 14 form an annular space section which works as a combustion air chamber 15 around a burner member 10, so that the volume of the space section may become adaptive to a desired heating device shape to optimize the combustion characteristic of the burner. In addition, since the prescribed air quantity of the chamber 15 is fundamentally independent from the size and design of a burner head housing section 2a, the heating device can be operated quietly by avoiding such an air quantity having a tendency to generate vibrations. Moreover, since a housing member 2 and the burner head housing section 2a can be separated thermally from the burner member 10 by means of the sleeve members 14, the burner member 10 is hardly affected by the temperature of the housing member 2.

IPC 1-7
F23C 7/00; **F23D 3/40**

IPC 8 full level
F24H 9/18 (2006.01); **F23C 7/00** (2006.01); **F23D 3/40** (2006.01)

CPC (source: EP US)
F23C 7/00 (2013.01 - EP US); **F23D 3/40** (2013.01 - EP US); **F23D 2207/00** (2013.01 - EP US)

Cited by
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DE SE

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EP 0377797 A2 19900718; **EP 0377797 A3 19910828**; **EP 0377797 B1 19930901**; DE 3900438 A1 19900712; DE 58905469 D1 19931007; JP H02230052 A 19900912; US 5082175 A 19920121

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