

Title (en)  
Heating device

Title (de)  
Heizgerät

Title (fr)  
Appareil de chauffage

Publication  
**EP 0733858 A3 19961127 (DE)**

Application  
**EP 96101819 A 19960208**

Priority  
DE 29504706 U 19950324

Abstract (en)  
[origin: EP0733858A2] The heater has a fuel supply (14) and a fan (10) to feed air for combustion. A control valve for regulating the fuel supply is derived from a Venturi nozzle (30) in the airstream, in order to optimise the combustion by maintaining a fuel-air mixture within a predetermined performance band. The Venturi nozzle is arranged upstream of the fan, and allows the pressure difference across the nozzle to be ascertained by a fuel regulator (32). The pressure may be sensed by pipes (34,36) located at the outlet (38) and a constricted part (40) of the nozzle, and the fuel supply may be fed into the airstream in a pipe (12) in the region of the fan.

IPC 1-7  
**F23N 5/18**

IPC 8 full level  
**F23N 5/18** (2006.01)

CPC (source: EP)  
**F23N 5/188** (2013.01); **F23N 2225/02** (2020.01); **F23N 2225/06** (2020.01); **F23N 2233/08** (2020.01)

Citation (search report)

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- [A] DE 3939646 A1 19910606 - GORE W L & ASS GMBH [DE]
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- [A] GB 2271443 A 19940413 - VAILLANT JOH GMBH & CO [DE]

Cited by  
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Designated contracting state (EPC)  
DE GB IT NL PT

DOCDB simple family (publication)  
**DE 29504706 U1 19960725**; EP 0733858 A2 19960925; EP 0733858 A3 19961127

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