

Title (en)  
Gas burner

Title (de)  
Gasbrenner

Title (fr)  
Brûleur à gaz

Publication  
**EP 0947771 A3 20000119 (DE)**

Application  
**EP 99106084 A 19990326**

Priority  
DE 19813898 A 19980328

Abstract (en)  
[origin: EP0947771A2] The first part combustion zone (A) is screened against the ambient heat by insulation (16), which at least partly surrounds the burner body (15). The insulation is arranged between the heat exchanger (17) and the burner body. In the exhaust gas side area and in the flow direction of the combustion gas-air mixture behind the burner body, an exhaust gas heat exchanger (18) is arranged.

IPC 1-7  
**F23D 14/16; F23C 11/00; F24H 1/43; F24H 1/44**

IPC 8 full level  
**F23C 99/00** (2006.01)

CPC (source: EP)  
**F23C 99/006** (2013.01)

Citation (search report)  
• [XY] DE 4322109 A1 19950112 - DURST FRANZ PROF DR DR H C [DE], et al  
• [Y] DE 29715120 U1 19971106 - VAILLANT JOH GMBH & CO [DE]  
• [A] FR 1052256 A 19540122 - CALIQUA SOC  
• [A] DE 902186 C 19540121 - WALTER ADOLF LUDWIG HAUFFE  
• [A] US 4442799 A 19840417 - CRAIG LAURENCE B [US], et al  
• [A] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 07 31 August 1995 (1995-08-31)

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Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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**DE 19813898 A1 19990930; DE 19813898 B4 20080529; EP 0947771 A2 19991006; EP 0947771 A3 20000119**

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**DE 19813898 A 19980328; EP 99106084 A 19990326**