

Title (en)

Combustion chamber for gas burner from a water heater and a heating apparatus

Title (de)

Brennkammer, insbesondere für Gas-Warmwasserbereiter- und Gas-Heizungsgerätebrenner

Title (fr)

Chambre de combustion pour un brûleur à gaz d'un chauffe-eau et d'un appareil de chauffage

Publication

EP 0913642 A3 20000503 (DE)

Application

EP 98120067 A 19981023

Priority

DE 19748261 A 19971031

Abstract (en)

[origin: EP0913642A2] The combustion chamber (1) in a gas burner assembly has toughened convector, (6,7), with a shape-elastic right angled rib structure, in front of the thermal insulation material (5) at the chamber walls. In operation, the coolant air streams (L,L') can flow through them, to reduce the temp. at the insulation to 700-800 degrees C. The rib structure is formed by folding pleats in a steel plate. The insulation material is a micro-pore soft ceramic.

IPC 1-7

F23M 5/08

IPC 8 full level

F23M 5/08 (2006.01)

CPC (source: EP)

F23M 5/085 (2013.01); **F23M 2900/05004** (2013.01)

Citation (search report)

- [A] US 4020772 A 19770503 - O'SULLIVAN THOMAS F, et al
- [A] US 4501232 A 19850226 - GORDBEGLI MANOCHEHR [US], et al
- [A] DE 19601012 A1 19970717 - BOSCH GMBH ROBERT [DE]
- [A] DE 9305103 U1 19930527

Designated contracting state (EPC)

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