

Title (en)
Gas heat exchanger

Title (de)
Gaswärmeaustauscher

Title (fr)
Echangeur de chaleur à gaz

Publication
EP 0706013 B1 19980422 (DE)

Application
EP 95111631 A 19950724

Priority
DE 9416204 U 19941007

Abstract (en)
[origin: EP0706013A1] In the gas heat exchanger fluid flows through the intermediate space (16) between the outer chamber (14) and the combustion chamber (10). Within the cover (24) of the combustion chamber, formed as heat protection shield, are apertures (26) at the points at which the heat exchanger tubes (20) issue. Around the outer wall (30) of the oven space (18) is a guide channel (28), which is formed with the intermediate space between the outer wall (32) of the combustion chamber and the outer chamber. Ambient air is blown into the intermediate space by a fan. This air extends over the hot outer wall of the combustion chamber and is thereby heated. The heated air flows through the guide channel around the outer walling of the oven space, providing an additional heating for the oven space.

IPC 1-7
F24C 15/32

IPC 8 full level
F24C 15/32 (2006.01); **F24H 3/08** (2006.01)

CPC (source: EP)
F24C 15/322 (2013.01); **F24H 3/087** (2013.01)

Cited by
BE1019887A5; US9068760B2

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

DOCDB simple family (publication)
EP 0706013 A1 19960410; EP 0706013 B1 19980422; AT E165436 T1 19980515; DE 59501976 D1 19980528; DE 9416204 U1 19941201; DK 0706013 T3 19990201; ES 2117817 T3 19980816

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