

Title (en)

GAS BURNER FOR HEATERS, ESPECIALLY WATER HEATERS

Title (de)

GASBRENNER FÜR HEIZGERÄTE, INSBESONDERE WASSERERHITZER

Title (fr)

BRULEUR POUR DISPOSITIFS DE CHAUFFAGE, NOTAMMENT POUR CHAUFFE-EAU

Publication

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Application

EP 95936980 A 19951124

Priority

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- DE 4445460 A 19941220

Abstract (en)

[origin: DE4445460A1] The invention relates to a gas burner for heaters having a cooled burner plate with a plurality of channels for the passage of the pressurised fuel-air mixture which reacts in the region of the openings in the channels on the combustion chamber side to generate a flame. The proposal is for the wall of the burner plate (24, 40, 44, 52, 68) on the combustion chamber side to be given a stepped structure so that there are defined contact surfaces (38) between the flame seats against the burner plate and the edges (32, 34) of the openings of the channels (30, 58) extending over the peak regions of the flame seats even against or in their side regions. This cools the flame well so that the surface load on the burner can be high while remaining within predetermined NOx limits.

IPC 1-7

F23D 14/78; F24H 9/18

IPC 8 full level

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