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(54) **Gas Burner**

(57) A radiative heat gas burner is described of the type which may be used to fire a domestic grill. The burner head has an inlet port (22) and comprises a pressing which together with a perforated metal sheet (28) defines a chamber (24) in which a combustion gas flows prior to flowing through the perforations (32) in the sheet and combusting thereon. The sheet of metal sealingly connected to the pressing forms a combustion surface on which the combustion of gas flowing through the perforations occurs, but the invention lies in the discovery

that it is not necessary to provide large apertures in the sheet which reveal portions of gauze sheets disposed parallelly behind the combustion surface and which glow and thus radiate heat during operation of the burner. It is merely necessary to provide a pattern of small perforations over the entire surface of the combustion sheet, the number of said perforations being sufficient to allow for sufficient gas flow therethrough to support stable combustion, and their pattern being ideally in rows which intersect with other rows in a substantially perpendicular manner.

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Place of search MUNICH		Date of completion of the search 16 January 2001	Examiner Theis, G
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