

Title (en)  
Gas Burner

Title (de)  
Gasbrenner

Title (fr)  
Brûleur à gaz

Publication  
**EP 1496309 A2 20050112 (EN)**

Application  
**EP 04253731 A 20040622**

Priority  
GB 0315891 A 20030708

Abstract (en)  
A gas burner (22) for use with a cylindrical heat exchanger having a substantially circular inlet aperture includes a circular burner head (24) having a circular entry side face (26) and an opposite circular exit side face (28), the burner head (24) being made of a ceramic material through which a gas and air mixture may pass from the entry side face (26) to the exit side face (28). The gas burner (22) includes means for introducing a gas and air mixture to the entry side face (26) of the burner head (24) so that the mixture may pass through the burner head (24) and burn on exiting from the exit side face (26) of the burner head (24). The gas burner (22) further includes a baffle plate (36) having a plurality of orifices (37) and is locatable on the entry side face (26) of the burner head (24). The gas burner (24) also includes a body member (40) which includes means for connecting the burner head (24) and the baffle plate (36) to the cylindrical heat exchanger over the inlet aperture.

IPC 1-7  
**F23D 14/02**; **F23D 14/70**; **F23D 14/46**

IPC 8 full level  
**F23D 14/02** (2006.01); **F23D 14/46** (2006.01); **F23D 14/70** (2006.01); **F24H 1/43** (2006.01)

CPC (source: EP)  
**F23D 14/02** (2013.01); **F23D 14/46** (2013.01); **F23D 14/70** (2013.01); **F24H 1/43** (2013.01); **F23D 2203/1023** (2013.01); **F23D 2212/10** (2013.01)

Cited by  
EP2051006A1; JP2011196556A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1496309 A2 20050112**; **EP 1496309 A3 20060614**; GB 0315891 D0 20030813; GB 2403792 A 20050112

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