

Title (en)

Gas burner for heating devices, in particular water heaters

Title (de)

Gasbrenner für Heizgeräte, insbesondere Wassererhitzer

Title (fr)

Brûleur à gaz pour appareils de chauffage, notamment chauffe-eau

Publication

**EP 0881434 A3 19990324 (DE)**

Application

**EP 98104980 A 19980319**

Priority

DE 19722863 A 19970531

Abstract (en)

[origin: EP0881434A2] The gas burner for a heater, and especially a water heater, has rib blades (28) and a stepped burner plate to give channels for the passage of the gas-air fuel mixture. The ribs have raised edges (36) in successive intervals at the longitudinal edges at the side of the combustion zone. The raised edge zones are offset against each other in neighbouring ribs. The ribs and raised edge zones have a unified interval (t). On displacing the raised edge zones of adjacent ribs, by the width (b) of an edge zone, a given number of channels are formed between their contact surfaces (42), and preferably three channels.

IPC 1-7

**F23D 14/58**; **F23D 14/78**

IPC 8 full level

**F23D 14/58** (2006.01); **F23D 14/78** (2006.01)

CPC (source: EP)

**F23D 14/583** (2013.01); **F23D 14/78** (2013.01); **F23D 2203/108** (2013.01)

Citation (search report)

- [A] DE 4445460 A1 19960627 - BOSCH GMBH ROBERT [DE] & WO 9619698 A1 19960627 - BOSCH GMBH ROBERT [DE]
- [A] GB 528432 A 19401029 - T AND T VICARS LTD, et al

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT

DOCDB simple family (publication)

**EP 0881434 A2 19981202**; **EP 0881434 A3 19990324**; DE 19722863 A1 19981203

DOCDB simple family (application)

**EP 98104980 A 19980319**; DE 19722863 A 19970531