

Title (en)

Premix gas burner

Title (de)

Vormischender Gasbrenner

Title (fr)

Brûleur à gaz à prémélange

Publication

EP 1731836 A1 20061213 (DE)

Application

EP 06011335 A 20060601

Priority

DE 102005026299 A 20050608

Abstract (en)

The burner has a cylindrical fuel assembly which consists of inner and outer cylinders (1, 2) that are arranged concentrically to each other and provided with perfusion openings (3) for gas and air mixture. The cylinders are firmly supported at a common front side unit that includes an inflow opening, where the inner cylinder serves as dispensing cylinder and the outer cylinder serves as burner surface. A filler material (4) is inserted between the cylinders, where the filler material is temperature-resistant and permeable for the gas and air mixture.

IPC 8 full level

F23D 14/10 (2006.01); **F23C 99/00** (2006.01); **F23D 14/58** (2006.01); **F23D 14/62** (2006.01)

CPC (source: EP)

F23D 14/10 (2013.01); **F23D 14/58** (2013.01); **F23D 2203/1012** (2013.01); **F23D 2203/102** (2013.01); **F23D 2203/104** (2013.01); **F23D 2203/105** (2013.01); **F23D 2212/10** (2013.01); **F23D 2212/20** (2013.01)

Citation (search report)

- [XY] EP 0542074 A2 19930519 - LUEDI ROGER [CH]
- [Y] EP 0530630 A1 19930310 - BUDERUS HEIZTECHNIK GMBH [DE]
- [X] EP 0892213 A1 19990120 - INVERNIZZI GIANMARIO [IT]
- [X] WO 8606155 A1 19861023 - MIURA KOGYO KK [JP]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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