

Title (en)
PREMIX GAS BURNER

Title (de)
VORMISCHGASBRENNER

Title (fr)
BRULEUR A GAZ AVEC PREMELANGE

Publication
EP 0529042 B1 19970102 (DE)

Application
EP 92906615 A 19920307

Priority

- AT 52891 A 19910312
- AT 52991 A 19910312
- AT 53091 A 19910312
- AT 53191 A 19910312
- AT 53291 A 19910312
- AT 53491 A 19910312
- AT 53991 A 19910312
- DE 9200782 U 19920121
- DE 9200851 U 19920122
- DE 9200208 W 19920307

Abstract (en)
[origin: WO9216796A1] A premix gas burner with at least one gas jet arranged on a pipe conveying the burner gas and at least one mixing pipe, the inlet section of which, which tapers towards the burner, is arranged at a distance from the gas jet, whereby the gas jet has an annular jet aperture. In order to be able in such a burner to maintain the mixing ratio between burner gas and primary air largely constant over the entire load and operating range, at the centre of the gas jet (8) there is a truncated cone (51), the tapered end of which is directed towards a pipe (10) supplying the gas jet (8), and the outer casing surface of the annular gap of the gas jet (8) widens towards its free end.

IPC 1-7
F23D 14/64; **F23D 14/04**; **F23N 3/04**

IPC 8 full level
F23D 14/08 (2006.01); **F23D 14/04** (2006.01); **F23D 14/64** (2006.01); **F23N 3/04** (2006.01)

CPC (source: EP)
F23D 14/04 (2013.01); **F23D 14/64** (2013.01); **F23N 3/047** (2013.01); **F23D 2900/14642** (2013.01); **F23N 2225/16** (2020.01); **F23N 2235/06** (2020.01)

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 9216796 A1 19921001; AT E147149 T1 19970115; DE 59207795 D1 19970213; DE 9203306 U1 19920604; EP 0529042 A1 19930303; EP 0529042 B1 19970102; JP H05508469 A 19931125

DOCDB simple family (application)
DE 9200208 W 19920307; AT 92906615 T 19920307; DE 59207795 T 19920307; DE 9203306 U 19920307; EP 92906615 A 19920307; JP 50633692 A 19920307