

Title (en)

Premixed burner provided with gas combustion head

Title (de)

Vormischbrenner mit Gasverbrennungskopf

Title (fr)

Brûleur à prémélange équipé d'une tête de combustion à gaz

Publication

**EP 2713105 A1 20140402 (EN)**

Application

**EP 13186354 A 20130927**

Priority

IT PD20120282 A 20120927

Abstract (en)

Gas combustion head (10) for premixed burners, which has a main body (11) adapted to receive a fuel gas - air mixture (15), and on such main body (11) a conical surface (12) is obtained having a series of openings (13), through which the fuel gas - air mixture (15) flows from an internal distribution chamber (14) of said main body (11) to a combustion area (16) outside said main body (11), in a manner so as to develop a longitudinal flame (17).

IPC 8 full level

**F23D 14/10** (2006.01)

CPC (source: EP)

**F23D 14/105** (2013.01); **F23D 2203/101** (2013.01); **F23D 2203/102** (2013.01); **F23D 2203/106** (2013.01)

Citation (applicant)

- EP 1538395 A1 20050608 - RIELLO SPA [IT]
- WO 2008081271 A2 20080710 - WORGAS BRUCIATORI SRL [IT], et al
- US 2009291402 A1 20091126 - CHO EUN SEONG [KR], et al
- JP S62196517 A 19870829 - OSAKA GAS CO LTD
- US 2121948 A 19380628 - BORLAND CARL A
- EP 0579315 A1 19940119 - INGBUREAUP I PRODUCT INNOVATIE [NL]

Citation (search report)

- [XDY] EP 0579315 A1 19940119 - INGBUREAUP I PRODUCT INNOVATIE [NL]
- [YD] US 2121948 A 19380628 - BORLAND CARL A
- [Y] US 2004096794 A1 20040520 - LOEVGREN HANS [US], et al
- [AD] US 2009291402 A1 20091126 - CHO EUN SEONG [KR], et al
- [AD] JP S62196517 A 19870829 - OSAKA GAS CO LTD
- [AD] WO 2008081271 A2 20080710 - WORGAS BRUCIATORI SRL [IT], et al

Citation (third parties)

Third party : kntonio Maroscia

- EP 0579315 A1 19940119 - INGBUREAUP I PRODUCT INNOVATIE [NL]
- US 2004096794 A1 20040520 - LOEVGREN HANS [US], et al
- IT PD20120282 A1 20140328 - SYSTEMA POLSKA SP ZO O
- WO 2008081271 A2 20080710 - WORGAS BRUCIATORI SRL [IT], et al

Third party :

- US 6129545 A 20001010 - KAHLKE MICHAEL [DE], et al
- US 5458484 A 19951017 - RIPKA CHESTER D [US]

Cited by

WO2018215241A1; GB2509492A; CN110621934A; US9587826B2; US10989406B2; WO2019193025A1; WO2019165385A1; WO2019207559A3; WO2018217915A1; US11215366B2; DE102017102085A1; WO2018141647A1; WO2023028129A1

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BA ME

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**EP 13186354 A 20130927**; IT PD20120282 A 20120927; PL 13186354 T 20130927; RU 2013143679 U 20130927