

Title (en)

Mixing device for a gas burner

Title (de)

Mischvorrichtung für einen Gasbrenner

Title (fr)

Dispositif de mélange pour un brûleur à gaz

Publication

EP 2258983 A3 20140903 (DE)

Application

EP 10003809 A 20100409

Priority

DE 102009024269 A 20090605

Abstract (en)

[origin: EP2258983A2] The device (10) has a housing (11) with a combustion air inlet (13), a gas inlet (14) and an outlet (15) for a mixture of gas and combustion air. A venturi-device (12) is outlined under formation of a contraction section (19), a mixing section (20) and a diffuser section (21). The mixing section comprises multiple nozzle sections (22), which forms partial mixing sections (23) by which combustion air is mixed with the gas. The partial mixing sections have a smaller diameter or cross section than the mixing section. An independent claim is also included for a gas control device for a gas burner.

IPC 8 full level

F23D 14/62 (2006.01); **F23D 14/64** (2006.01)

CPC (source: EP)

F23D 14/62 (2013.01); **F23D 14/64** (2013.01)

Citation (search report)

- [X] EP 0846916 A2 19980610 - SIT LA PRECISA SPA [IT]
- [X] WO 0229319 A1 20020411 - SIT LA PRECISA SPA [IT], et al
- [X] DE 102004054796 B3 20060316 - BOSCH GMBH ROBERT [DE]
- [X] EP 0685684 A2 19951206 - BUDERUS HEIZTECHNIK GMBH [DE]

Cited by

DE102011076106A1; DE102011086321A1; CN103016210A; CN103574612A; GB2595527A; GB2595501A; DE102011076106B4; DE102011086321B4; CN109838786A; WO2012156077A1; US8939129B2; US9726116B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA ME RS

DOCDB simple family (publication)

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