

Title (en)

GAS BURNER WITH MULTIPLE FLAME RINGS

Title (de)

GASBRENNER MIT MEHREREN FLAMMENRINGEN

Title (fr)

BRÛLEUR À GAZ AUX ANNEAUX DE FLAMME MULTIPLES

Publication

EP 2572141 B1 20141015 (EN)

Application

EP 11723373 A 20110517

Priority

- IT VE20100023 A 20100519
- EP 2011057994 W 20110517

Abstract (en)

[origin: WO2011144630A2] A gas burner with multiple flame rings, comprising an injector holder piece (2), a flame divider (4) having an outer portion (26) of overall annular shape and an inner portion (28) of overall circular shape, and means (6) for upperly closing said outer and inner portions, characterised in that: -said injector holder piece (2) carries, applied thereto, at least two injectors (20, 20') of substantially vertical axis positioned in a substantially diametrical plane of the burner, -said flame divider (4) comprises at least two substantially vertical conduits (46, 46') facing the two injectors (20, 20') of the injector holder (2) and opening upperly into a horizontal venturi effect chamber, bounded upperly by said closure means (6), -the region downstream of said horizontal vertical effect chamber is connected in a fluidic manner to the inner portion (28) of said flame divider (4), via two channels (36, 60).

IPC 8 full level

F23D 14/06 (2006.01)

CPC (source: EP)

F23D 14/06 (2013.01); **F23D 14/64** (2013.01); **F23D 2203/007** (2013.01); **F23D 2900/14062** (2013.01); **F23D 2900/14063** (2013.01)

Cited by

RU2701432C2; US11435076B2; WO2019123052A1; WO2016142872A1; WO2018007892A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2011144630 A2 20111124; WO 2011144630 A3 20120802; BR 112012027693 A2 20160816; BR 112012027693 B1 20201027; CN 102906501 A 20130130; CN 102906501 B 20160803; EP 2572141 A2 20130327; EP 2572141 B1 20141015; ES 2526144 T3 20150107; IT 1400182 B1 20130517; IT VE20100023 A1 20111120; MX 2012013002 A 20130305; MX 345708 B 20170213; PL 2572141 T3 20150331

DOCDB simple family (application)

EP 2011057994 W 20110517; BR 112012027693 A 20110517; CN 201180024576 A 20110517; EP 11723373 A 20110517; ES 11723373 T 20110517; IT VE20100023 A 20100519; MX 2012013002 A 20110517; PL 11723373 T 20110517