

Title (en)

GAS/AIR MIXING DEVICE OF A GAS BURNER

Title (de)

GAS-/LUFTMISCHVORRICHTUNG FÜR EINEN GASBRENNER

Title (fr)

DISPOSITIF DE MÉLANGE GAZ/AIR DESTINÉ À UN BRÛLEUR À GAZ

Publication

**EP 3415817 A1 20181219 (EN)**

Application

**EP 17176034 A 20170614**

Priority

EP 17176034 A 20170614

Abstract (en)

Gas/Air mixing device for a gas burner having a housing and at least one venturi nozzle (10) positioned within the housing. The or each venturi nozzle (10) has an air inlet section (11) with an air inlet opening (12) for air, a gas inlet section (13) with at least two gas inlet openings (14) for gas, and a gas/air outlet section (15) with a gas/air outlet opening (16) for a gas/air mixture. The air inlet section (11) and the air inlet opening (12) of the or each venturi nozzle (10) each have a rectangular cross-section. The gas inlet openings (14) of the or each venturi nozzle (10) each have a rectangular cross-section. The gas/air outlet section (15) and the gas/air outlet opening (16) of the or each venturi nozzle (10) each have a rectangular cross-section.

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

- DE 29617621 U1 19970828 - HONEYWELL BV [NL]
- DE 19743464 C1 19981112 - HONEYWELL BV [NL]

Citation (search report)

- [X] JP 2011185575 A 20110922 - RINNAI KK
- [A] DE 29617621 U1 19970828 - HONEYWELL BV [NL]
- [A] EP 0896192 A2 19990210 - DUNGS KARL GMBH & CO [DE]
- [A] US 5163830 A 19921117 - PFEFFERKORN EARLE L [US]
- [A] GB 819723 A 19590909 - AMAL LTD
- [A] JP 2003214607 A 20030730 - NORITZ CORP

Cited by

US11287131B2; EP3913284A1; US11708972B2; WO2021160506A1

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Designated extension state (EPC)

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