

Title (en)

A COMBUSTION MEMBRANE FOR A GAS BURNER

Title (de)

VERBRENNUNGSMEMBRAN FÜR EINEN GASBRENNER

Title (fr)

MEMBRANE DE COMBUSTION POUR UN BRÛLEUR À GAZ

Publication

**EP 4089328 A1 20221116 (EN)**

Application

**EP 22171830 A 20220505**

Priority

IT 202100011888 A 20210510

Abstract (en)

A combustion membrane (14, 14') for a gas burner (2) comprises a layer made of perforated metal sheet (23), in which perforation holes (24) of an individual perforated metal sheet (25) of the layer of perforated sheet (23) have a ratio (D/S) between an equivalent diameter (D) of the hole (24) and the thickness (S) of the individual sheet (25) which is greater than or equal to 1 ( $D/S \geq 1$ ), wherein the layer made of perforated metal sheet (23) comprises a plurality of said individual perforated metal sheets (25) overlapping in a pile of sheets and with said holes (24) overlapping and aligned to form channels (26) for the passage of the combustible gas (13) through the pile of sheets, wherein said channels (26) have a ratio ( $D1/S1$ ) between an equivalent diameter (D1) of the channel (26) and the thickness (S1) of the pile of sheets which is less than 0.7 ( $D1/S1 < 0.7$ ).

IPC 8 full level

**F23D 14/14** (2006.01)

CPC (source: EP)

**F23D 14/145** (2013.01); **F23D 14/149** (2021.05); **F23D 2203/102** (2013.01); **F23D 2203/106** (2013.01)

Citation (search report)

- [A] FR 2063803 A5 19710709 - GAZ DE FRANCE
- [A] DE 29511790 U1 19961114 - BOSCH GMBH ROBERT [DE]
- [A] EP 0631091 A1 19941228 - MTS SA [FR]
- [A] EP 0536706 A2 19930414 - LUEDI ROGER [CH]

Designated contracting state (EPC)

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Designated extension state (EPC)

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