

Title (en)
GAS BURNER FOR A HEATER

Title (de)
GASBRENNER FÜR EIN HEIZGERÄT

Title (fr)
BRÛLEUR À GAZ POUR UN APPAREIL DE CHAUFFAGE

Publication
EP 3064831 A1 20160907 (EN)

Application
EP 16153084 A 20160128

Priority
IT MI20150216 A 20150216

Abstract (en)
A gas burner (1) for a heater comprises a planar metal frame portion (2) with an elongated opening (3) defined by two longitudinal edges (5) and by two transversal end edges (6), as well as a combustion membrane (7) in the form of a tridimensional shell, connected to the frame portion (2) along the longitudinal (5) and transversal (6) edges, wherein the combustion membrane (7) has a diffuser layer (8), which forms an outer combustion surface (9) made of a perforated metal sheet, and which extends between the two longitudinal edges (5) with a single curvature out of the plane of the frame portion (2), and two closure portions (11) made of metal sheet extending from the transversal edges (6) out of the plane of the frame portion (2) and which close end areas (12) between the diffuser layer (8) and the transversal edges (6) of the frame portion (2).

IPC 8 full level
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CPC (source: CN EP US)
F23D 14/00 (2013.01 - CN); **F23D 14/02** (2013.01 - EP US); **F23D 14/145** (2013.01 - EP US); **F23D 14/26** (2013.01 - US);
F23D 14/46 (2013.01 - CN); **F23D 14/84** (2013.01 - US); **F23D 91/02** (2015.07 - EP US); **F23D 2203/101** (2013.01 - EP US);
F23D 2203/1017 (2013.01 - EP US); **F23D 2203/103** (2013.01 - EP US); **F23D 2203/106** (2013.01 - EP US)

Citation (search report)
• [A] EP 0472270 A1 19920226 - FURIGAS UK LTD [GB]
• [A] EP 0809071 A1 19971126 - BURNER SYSTEMS INT [US]

Cited by
EP3572728A1; NL2024623B1; WO2019193025A1; WO2021140036A1; WO2023280923A1; NL2028637B1

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

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BA ME

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