

Title (en)
MIXER DEVICE FOR A GAS BURNER

Title (de)
MISCHERVORRICHTUNG FÜR EINEN GASBRENNER

Title (fr)
DISPOSITIF MÉLANGEUR POUR BRÛLEUR À GAZ

Publication
EP 3508788 A1 20190710 (EN)

Application
EP 18382003 A 20180109

Priority
EP 18382003 A 20180109

Abstract (en)
A mixer device (1) comprising a main body (1a) with a comburent gas inlet conduit (2), a combustible gas inlet conduit (3) and a main channel (4) communicated with both inlet conduits (2, 3). The main body (1a) also comprises an auxiliary channel, communicated with the comburent gas inlet conduit (2), and an additional distribution channel, communicated with the combustible gas inlet conduit (3), both channels being blocked by a membrane (6) when it is in a standby position, and allowing the passage of the comburent gas and combustible gas through the corresponding channels when said membrane (6) is moved by the action of the comburent gas flow upon exceeding a specific threshold.

IPC 8 full level
F23L 3/00 (2006.01); **F16K 15/14** (2006.01); **F23D 14/60** (2006.01); **F23D 14/62** (2006.01); **F23N 1/02** (2006.01)

CPC (source: EP KR)
F23D 14/04 (2013.01 - KR); **F23D 14/60** (2013.01 - EP); **F23D 14/62** (2013.01 - EP KR); **F23L 3/00** (2013.01 - EP KR); **F23N 1/027** (2013.01 - EP KR); **F23D 2203/007** (2013.01 - EP KR)

Citation (applicant)
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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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3508788 A1 20190710; **EP 3508788 B1 20201021**; CN 212930063 U 20210409; KR 200497783 Y1 20240304; KR 20200001980 U 20200909; WO 2019138146 A1 20190718

DOCDB simple family (application)
EP 18382003 A 20180109; CN 201890001457 U 20181228; ES 2018070838 W 20181228; KR 20207000040 U 20181228