

Title (en)

GAS BURNER WITH A VOLUME REDUCER

Title (de)

GASBRENNER MIT EINEM VOLUMENREDUZIERER

Title (fr)

BRÛLEUR À GAZ AVEC UN RÉDUCTEUR DE VOLUME

Publication

EP 4123221 A1 20230125 (EN)

Application

EP 21187117 A 20210722

Priority

EP 21187117 A 20210722

Abstract (en)

Volume reducer (1) for a gas boiler (2), in particular a hydrogen boiler, placeable inside a burner chamber (3) of a burner (4), the volume reducer (1) comprising a wall (6) that protrudes into the burner chamber (3) when the volume reducer (1) is placed in the burner (4), wherein the wall (6) is configured such that a gas mixture (15) flowing into the burner (4) is prevented from passing through the wall (6) protruding into the burner chamber (3).

IPC 8 full level

F23D 14/02 (2006.01); **F23D 14/70** (2006.01)

CPC (source: EP)

F23D 14/02 (2013.01); **F23D 14/70** (2013.01); **F23C 2900/9901** (2013.01); **F23D 2203/1012** (2013.01); **F23D 2203/102** (2013.01); **F23D 2210/00** (2013.01); **F23D 2900/00003** (2013.01)

Citation (applicant)

- US 6139312 A 20001031 - LASAGNI FELICIANO [IT]
- US 2020049345 A1 20200213 - PALTRINIERI TULLIO [IT], et al
- EP 1221571 B1 20051026 - NEFIT BUDERUS B V [NL]
- EP 3431872 A1 20190123 - BEKAERT COMBUSTION TECH BV [NL]
- DE 19926871 A1 20001214 - BUDERUS HEIZTECHNIK GMBH [DE]

Citation (search report)

- [X1] US 2016356492 A1 20161208 - DEIVASIGAMANI SRIDHAR [US], et al
- [X1] GB 2072317 A 19810930 - HAMWORTHY ENGINEERING
- [X1] EP 1546608 A2 20050629 - POWERTECH IND INC [CA]

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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