

Title (en)
Gas burner for boiler

Title (de)
Gasbrenner für Heizkessel

Title (fr)
Brûleur à gaz pour chaudière

Publication
EP 2385301 A1 20111109 (EN)

Application
EP 11164793 A 20110504

Priority
IT MI20100791 A 20100505

Abstract (en)
A gas burner (1) for a boiler comprising a diffuser (2), suitable for diffusing premixed combustion (7) gases in a combustion chamber is described, wherein said gas burner (1) comprises covering means (5) of the flow of mixture entering the combustion chamber arranged on the side of the diffuser (2) opposite to the combustion chamber and at peripheral portions of the diffuser (2), said covering means (5) being configured so as to give the direction of the flow of mixture entering the combustion chamber, at such peripheral portions, a component parallel to the diffuser (2). A method for operating a gas burner (1) for a boiler is also described.

IPC 8 full level
F23D 14/74 (2006.01); **F23D 14/02** (2006.01); **F23D 14/26** (2006.01); **F23D 14/70** (2006.01)

CPC (source: EP)
F23D 14/02 (2013.01); **F23D 14/26** (2013.01); **F23D 14/70** (2013.01); **F23D 14/74** (2013.01); **F23D 2203/1012** (2013.01); **F23D 2900/00003** (2013.01)

Citation (search report)

- [X] GB 1520402 A 19780809 - MITSUBISHI ELECTRIC CORP
- [XY] WO 2008125796 A1 20081023 - MONT SELAS LTD [GB], et al
- [Y] JP H01277104 A 19891107 - MATSUSHITA ELECTRIC IND CO LTD
- [XA] EP 0472270 A1 19920226 - FURIGAS UK LTD [GB]
- [XA] US 4657506 A 19870414 - IHLENFIELD HARRY [US], et al
- [XA] US 4960378 A 19901002 - JANNEMANN THEO [DE], et al
- [A] US 5355841 A 19941018 - MOORE JR H JACK [US], et al
- [A] JP S6099926 A 19850603 - MATSUSHITA ELECTRIC IND CO LTD

Cited by
CN103574605A; EP2687781A3; DE202019103989U1; WO2012123805A1

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 2385301 A1 20111109; IT 1399919 B1 20130509; IT MI20100791 A1 20111106

DOCDB simple family (application)
EP 11164793 A 20110504; IT MI20100791 A 20100505