

Title (en)
HIGH-STABILITY BURNER

Title (de)
HOCHSTABILER BRENNER

Title (fr)
BRÛLEUR À STABILITÉ ÉLEVÉE

Publication
EP 2643634 A1 20131002 (EN)

Application
EP 11811373 A 20111118

Priority
• IT MI20102181 A 20101124
• IB 2011055177 W 20111118

Abstract (en)
[origin: WO2012069970A1] A burner (1) is illustrated for a gas boiler comprising : - a diffuser (2), suitable to diffuse pre-mixed combustion gases in a combustion chamber (3), comprising a wall provided with a plurality of diffusion openings (5); and - a distributor (4), suitable to distribute the combustion gases on the diffuser (2), comprising a wall provided with a plurality of distribution openings (6); wherein the diffusion openings (5) are positioned at a diffuser (2) portion and the distribution openings (6) are positioned at a distributor (4) portion, said portions being configured such that, in the operating position, the distribution openings (6) result alternated relative to the diffusion openings (5) relative to the mixture (7) flow direction.

IPC 8 full level
F23D 14/02 (2006.01); **F23D 14/14** (2006.01); **F23D 14/58** (2006.01); **F23D 14/74** (2006.01)

CPC (source: EP US)
F23D 14/02 (2013.01 - EP US); **F23D 14/58** (2013.01 - EP US); **F23D 14/74** (2013.01 - EP US); **F23D 2203/102** (2013.01 - EP US); **F23D 2203/103** (2013.01 - EP US); **F23D 2203/106** (2013.01 - EP US); **F23D 2209/20** (2013.01 - EP US); **F23D 2212/103** (2013.01 - EP US); **F23D 2212/201** (2013.01 - EP US); **F23D 2900/00003** (2013.01 - EP US)

Citation (search report)
See references of WO 2012069970A1

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

DOCDB simple family (publication)
WO 2012069970 A1 20120531; CN 103299130 A 20130911; CN 103299130 B 20151202; EP 2643634 A1 20131002; IT 1402900 B1 20130927; IT MI20102181 A1 20120525; US 2013302741 A1 20131114

DOCDB simple family (application)
IB 2011055177 W 20111118; CN 201180056823 A 20111118; EP 11811373 A 20111118; IT MI20102181 A 20101124; US 201113989062 A 20111118