

Title (en)
BURNER WITH LOW POROSITY BURNER DECK

Title (de)
BRENNER MIT BRENNERDECK MIT GERINGER POROSITÄT

Title (fr)
BRÛLEUR POURVU D'UNE PLATEFORME DE BRÛLEUR À FAIBLE POROSITÉ

Publication
EP 2510281 A1 20121017 (EN)

Application
EP 10782307 A 20101126

Priority
• EP 09178982 A 20091211
• EP 2010068284 W 20101126
• EP 10782307 A 20101126

Abstract (en)
[origin: WO2011069839A1] A gas burner (10), preferably a premix burner, comprising a support (12) which has a central gas inlet port for supply of gas into a gas supply chamber. The gas supply chamber is enclosed by a perforated metal plate (22). The perforated metal plate is connected at the bottom to the support through a base section. The perforations in the perforated metal plate provide a burner deck (20). The burner deck has an overall porosity which is equal to or lower than 11%. The present invention also provides use of this burner, e.g. in heat exchangers.

IPC 8 full level
F23D 14/10 (2006.01)

CPC (source: EP KR US)
F23D 14/10 (2013.01 - KR); **F23D 14/105** (2013.01 - EP KR US); **F23D 14/26** (2013.01 - KR); **F23D 2203/1012** (2013.01 - EP KR US); **F23D 2203/1023** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2011069839A1

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 2011069839 A1 20110616; CN 102597624 A 20120718; CN 102597624 B 20150415; EP 2510281 A1 20121017; EP 2510281 B1 20171025; EP 3282187 A1 20180214; EP 3282187 B1 20190410; JP 2013513774 A 20130422; KR 101817371 B1 20180111; KR 20120102691 A 20120918; US 2012193452 A1 20120802

DOCDB simple family (application)
EP 2010068284 W 20101126; CN 201080050224 A 20101126; EP 10782307 A 20101126; EP 17191076 A 20101126; JP 2012542446 A 20101126; KR 20127014887 A 20101126; US 201013497587 A 20101126