

Title (en)
PREMIXING BURNER HAVING DOUBLE FIRE PORTS

Title (de)
VORMISCHBRENNER MIT DOPPELTEM FEUERANSCHLUSS

Title (fr)
BRÛLEUR À PRÉ-MÉLANGE À ORIFICES DOUBLES

Publication
EP 2626627 A4 20180110 (EN)

Application
EP 11830825 A 20110517

Priority
• KR 20100096405 A 20101004
• KR 2011003618 W 20110517

Abstract (en)
[origin: EP2626627A1] Provided is a premixing burner having double fire ports capable of conducting stable combustion regardless of an amount of input of combustible gas. The premixing burner having double fire ports which previously mixes and burns a gas and air is configured so that a plurality of plates, each of which is partly cut out, overlap to form a burner body, so that the plurality of plates are disposed so that cut portions are crossed between the neighboring plates so as to form a flow path of mixed gas and the plurality of fire ports, and so that the fire ports are configured so that the fire ports, each of which has a relatively small cross section through which the mixed gas flows based on a flowing direction of the mixed gas, are serially connected to the fire ports, each of which has a relatively large cross section.

IPC 8 full level
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CPC (source: EP KR)
F23D 14/02 (2013.01 - EP); **F23D 14/145** (2013.01 - KR); **F23D 14/58** (2013.01 - KR); **F23D 14/586** (2013.01 - EP)

Citation (search report)
• [XY] JP S52106851 U 19770815
• [X] JP H0271006 A 19900309 - NORITZ CORP
• [Y] JP H07103423 A 19950418 - NORITZ CORP
• [Y] JP H07127821 A 19950516 - NORITZ CORP
• [Y] JP H07151316 A 19950613 - NORITZ CORP
• See references of WO 2012046939A1

Cited by
GB2629550A; EP4246042A1

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

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