

Title (en)

PRE-MIXED GAS BURNER COOLED BY AN AIR-GAS MIXTURE

Title (de)

MIT EINEM LUFT-GAS-GEMISCH GEKÜHLTER VORMISCHBRENNER

Title (fr)

BRÛLEUR À PRÉ-MÉLANGE REFROIDI PAR UN MÉLANGE AIR-GAZ

Publication

EP 3126737 A1 20170208 (EN)

Application

EP 15718080 A 20150331

Priority

- IT MI20140612 A 20140404
- IB 2015000431 W 20150331

Abstract (en)

[origin: WO2015150902A1] A pre-mixed gas burner comprises a conveyor element, a burner head and a distributing element arranged between the burner head and conveyor element, in which, during an operation of the burner, through the conveyor element flows an air and fuel gas mixture, which, through the distributing element, arrives at the burner head to form on the burner head outer surface a flame, the distributing element having a plurality of different holes therethrough an enhanced air-gas mixture amount flows to the burner head regions without holes and flame, to provide an improved burner head cooling, the conveyor element being moreover thermally screened by the distributing element and the air-gas mixture flow.

IPC 8 full level

F23D 14/14 (2006.01)

CPC (source: EP RU US)

F23D 14/08 (2013.01 - RU); **F23D 14/145** (2013.01 - EP RU US); **F23D 2203/1017** (2013.01 - EP); **F23D 2900/00003** (2013.01 - EP)

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)

WO 2015150902 A1 20151008; EP 3126737 A1 20170208; EP 3126737 B1 20191113; ES 2769814 T3 20200629; PL 3126737 T3 20200601; RU 2016135504 A 20180507; RU 2016135504 A3 20180704; RU 2664267 C2 20180815

DOCDB simple family (application)

IB 2015000431 W 20150331; EP 15718080 A 20150331; ES 15718080 T 20150331; PL 15718080 T 20150331; RU 2016135504 A 20150331