

Title (en)
CYLINDRICAL GAS PREMIX BURNER

Title (de)
ZYLINDERFÖRMIGER GASVORMISCHBRENNER

Title (fr)
BRÛLEUR DE PRÉMÉLANGE DE GAZ CYLINDRIQUE

Publication
EP 3455555 A1 20190320 (EN)

Application
EP 17720526 A 20170505

Priority
• EP 16169655 A 20160513
• EP 2017060740 W 20170505

Abstract (en)
[origin: WO2017194395A1] A cylindrical gas premix burner comprises a cylindrical burner deck onto which the flames are stabilized when the burner is in use; a mixing chamber inside the cylindrical burner deck; an inlet device mounted perpendicularly to the axial direction of the cylindrical burner deck for the supply of premix gas into the mixing chamber; and an end cap closing off the mixing chamber at the side opposite to the side where the inlet device is provided. The inlet device comprises a perforated metal plate. The perforations in the perforated metal plate are provided for the supply of premix gas into the mixing chamber. The perforated metal plate is dome shaped; such that perforations in the perforated metal plate are located at different height levels from the base of the cylindrical burner deck.

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

CPC (source: EP US)
F23D 14/02 (2013.01 - EP US); **F23D 14/70** (2013.01 - EP US); **F23D 2203/1012** (2013.01 - EP US); **F23D 2203/102** (2013.01 - EP US); **F23D 2203/1023** (2013.01 - EP US); **F23D 2212/201** (2013.01 - EP US)

Citation (search report)
See references of WO 2017194395A1

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 2017194395 A1 20171116; CN 109196275 A 20190111; CN 109196275 B 20200204; EP 3455555 A1 20190320; US 2019113228 A1 20190418

DOCDB simple family (application)
EP 2017060740 W 20170505; CN 201780027834 A 20170505; EP 17720526 A 20170505; US 201716087326 A 20170505