

Title (en)
Pilot burner

Title (de)
Pilotbrenner

Title (fr)
Brûleur pilote

Publication
EP 2584259 B1 20190724 (DE)

Application
EP 12188765 A 20121017

Priority
DE 102011084950 A 20111021

Abstract (en)
[origin: EP2584259A2] The burner (1) has a gas supply (2) supplying fuel gas, and an air supply (10) supplying air in a mixing chamber to produce a fuel-air mixture and downstream connected to the mixing chamber. A flame tube (15) generates a flame and a disk-shaped and/or leaf-shaped static mixer (5) provided in the mixing chamber. The static mixer includes an elliptical surface area, and is arranged adjacent to a mouth of an inlet for the fuel gas in the air supply. The mixer is arranged such that the mixer is adapted to divide a supplied stream of air. An independent claim is also included for a method for operating a pilot burner.

IPC 8 full level
F23D 14/02 (2006.01); **F23D 14/62** (2006.01); **F23D 14/70** (2006.01)

CPC (source: EP)
F23D 14/02 (2013.01); **F23D 14/62** (2013.01); **F23D 14/70** (2013.01); **F23D 2900/00014** (2013.01); **F23D 2900/14021** (2013.01); **F23D 2900/14701** (2013.01)

Cited by
CN109708142A

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)
EP 2584259 A2 20130424; **EP 2584259 A3 20171213**; **EP 2584259 B1 20190724**; DE 102011084950 A1 20130425

DOCDB simple family (application)
EP 12188765 A 20121017; DE 102011084950 A 20111021