

Title (en)

High temperature burner for burner operating methods with two operational states

Title (de)

Hochtemperaturbrenner für Brennerbetriebsverfahren mit zwei Betriebszuständen

Title (fr)

Brûleur haute température pour procédé de fonctionnement d'un brûleur doté de deux états de fonctionnement

Publication

EP 2442026 B1 20160127 (DE)

Application

EP 10187758 A 20101015

Priority

EP 10187758 A 20101015

Abstract (en)

[origin: EP2442026A1] A disc-shaped mixing unit (10) has combustion air passages (21-23) that are arranged such that an outer annular space is free of combustion air passages each having radial twist angle between 5-60[deg] , while increasing combustion air quantity in radial outer direction. The setting angle of combustion air passage (23) on outermost ring is smaller than an angle of attack of combustion air passage (21) on innermost ring. Twist angle of combustion air passage (23) on outermost ring is greater than helix angle of combustion air passage (21) on innermost ring.

IPC 8 full level

F23C 7/00 (2006.01); **F23D 14/24** (2006.01)

CPC (source: EP)

F23C 7/002 (2013.01); **F23D 14/24** (2013.01); **F23C 2900/03005** (2013.01); **F23D 2900/14003** (2013.01)

Cited by

CN105992913A; CN112781047A; CN111819394A; EP3688373A4; US2023204213A1; US10378441B2; US11226094B2; WO2015121559A1

Designated contracting state (EPC)

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