

Title (en)
Premix burner

Title (de)
Vormischbrenner

Title (fr)
Brûleur à prémélange

Publication
EP 1070915 B1 20040519 (DE)

Application
EP 99114377 A 19990722

Priority
EP 99114377 A 19990722

Abstract (en)
[origin: EP1070915A1] The premix burner consists of a vortex creator (101, 102) and means of supplying the gaseous fuel to a burner with a premixed gas flame in the form of a fuel injector (32) which can be mechanically uncoupled from the vortex creator at temperatures above 500 degrees C. The axial through flow directions of the vortex creator and the premix burner are identical.

IPC 1-7
F23C 7/00; **F23D 17/00**; **F23R 3/60**; **F23R 3/28**; **F23R 3/34**

IPC 8 full level
F23C 7/00 (2006.01); **F23D 17/00** (2006.01); **F23R 3/28** (2006.01); **F23R 3/34** (2006.01); **F23R 3/60** (2006.01)

CPC (source: EP)
F23C 7/002 (2013.01); **F23D 17/002** (2013.01); **F23R 3/286** (2013.01); **F23R 3/343** (2013.01); **F23R 3/60** (2013.01); **F23C 2900/07002** (2013.01); **F23D 2211/00** (2013.01); **F23D 2214/00** (2013.01)

Citation (examination)
EP 0321809 A1 19890628 - BBC BROWN BOVERI & CIE [CH]

Cited by
EP1321715A3; JP2009121806A; US7610761B2; US7003957B2; US6880339B2; US7871262B2; US8007273B2; WO2006094922A1; WO03036167A1; US9103547B2; EP2058590A1; US7013648B2; WO2011032935A2; US8549860B2; US8066509B2; US10837643B2; WO2009068424A1

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
EP 1070915 A1 20010124; **EP 1070915 B1 20040519**; DE 59909531 D1 20040624

DOCDB simple family (application)
EP 99114377 A 19990722; DE 59909531 T 19990722