

Title (en)

PREMIX BURNER AND METHOD FOR OPERATING SUCH A PREMIX BURNER

Title (de)

VORMISCHBRENNER SOWIE VERFAHREN ZUM BETRIEB EINES DERARTIGEN VORMISCHBRENNERS

Title (fr)

BRÛLEUR DE PRÉMÉLANGE ET SON MODE DE FONCTIONNEMENT

Publication

EP 1356236 B1 20081126 (DE)

Application

EP 02710242 A 20020201

Priority

- DE 10104695 A 20010202
- IB 0200384 W 20020201

Abstract (en)

[origin: DE10104695A1] A premix burner is disclosed, in which air and fuel may be mixed to give a fuel/air mixture, for the formation of at least one stable flame front, within a combustion chamber arranged downstream, for driving a gas turbine arranged after the combustion chamber, comprising a premix burner housing, which is embodied in the form of an open tube, connected downstream to the combustion chamber, by means of a transition contour and through which air can flow, a burner lance embodied as an inner tube, extending on the upstream side into the interior of the premix burner housing, enclosing an annular cross-section flow channel with the premix burner housing and comprising an inner tube wall which surrounds an inner flow channel, in which at least one fuel supply unit for the supply of fuel into the inner flow channel is provided and at least one other fuel supply unit for the supply of fuel to the annular flow channel is provided such that, downstream of the inner tube, in the region of the combustion chamber, the fuel/air mix is ignited within the flame front.

IPC 8 full level

F23R 3/28 (2006.01); **F23D 17/00** (2006.01); **F23R 3/14** (2006.01); **F23R 3/34** (2006.01)

CPC (source: EP US)

F23D 17/002 (2013.01 - EP US); **F23R 3/14** (2013.01 - EP US); **F23R 3/286** (2013.01 - EP US); **F23R 3/343** (2013.01 - EP US); **F23R 2900/03343** (2013.01 - EP US)

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

DE 10104695 A1 20020808; **DE 10104695 B4 20141120**; DE 50213051 D1 20090108; EP 1356236 A1 20031029; EP 1356236 B1 20081126; US 2004055307 A1 20040325; US 6895759 B2 20050524; WO 02061339 A1 20020808

DOCDB simple family (application)

DE 10104695 A 20010202; DE 50213051 T 20020201; EP 02710242 A 20020201; IB 0200384 W 20020201; US 62960503 A 20030730