

Title (en)
BURNER

Title (de)
BRENNER

Title (fr)
BRULEUR

Publication
EP 1224423 B1 20040915 (DE)

Application
EP 00972775 A 20001016

Priority
• EP 00972775 A 20001016
• EP 0010167 W 20001016
• EP 99121577 A 19991029

Abstract (en)
[origin: EP1096201A1] The gas turbine burner (100) has a combustion air duct (104) in which are several spin-generating elements (108) forming spin-generators (109) in the form of spin blade rings. The ring consists of first (108A) and second (108B) blades. An extra pilot burner (106) stabilizes the mixture of fuel and combustion air emerging from the combustion air duct.

IPC 1-7
F23C 7/00

IPC 8 full level
F23R 3/14 (2006.01); **F23C 7/00** (2006.01); **F23L 1/00** (2006.01); **F23M 20/00** (2014.01); **F23R 3/30** (2006.01); **F23R 3/34** (2006.01)

CPC (source: EP US)
F23C 7/004 (2013.01 - EP US); **F23M 20/005** (2015.01 - EP US); **F23R 3/14** (2013.01 - EP US); **F23R 3/286** (2013.01 - EP US); **F23D 2206/10** (2013.01 - EP US); **F23D 2210/00** (2013.01 - EP US); **F23D 2900/14004** (2013.01 - EP US); **F23D 2900/14021** (2013.01 - EP US); **F23R 2900/00014** (2013.01 - EP US)

Cited by
EA039073B1; DE102004059882A1

Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
EP 1096201 A1 20010502; CN 1143980 C 20040331; CN 1384908 A 20021211; DE 50007809 D1 20041021; EP 1224423 A1 20020724; EP 1224423 B1 20040915; JP 2003513223 A 20030408; JP 4567266 B2 20101020; US 2002174656 A1 20021128; US 6688109 B2 20040210; WO 0133138 A1 20010510

DOCDB simple family (application)
EP 99121577 A 19991029; CN 00815107 A 20001016; DE 50007809 T 20001016; EP 0010167 W 20001016; EP 00972775 A 20001016; JP 2001534984 A 20001016; US 13392602 A 20020426