

Title (en)

Burner for a turbine and gas turbine with same

Title (de)

Brenner für eine Turbine und damit ausgerüstete Gasturbine

Title (fr)

Brûleur pour une turbine et turbine à gaz en étant équipée

Publication

EP 2317227 B1 20191002 (DE)

Application

EP 10171616 A 20100802

Priority

DE 102009046066 A 20091028

Abstract (en)

[origin: EP2317227A2] The burner has a housing (10), in which an air collection chamber (13), a combustion antechamber (16) and a combustion chamber are formed. A burner-head plate (40) is arranged in the housing so that the burner-head plate separates the combustion antechamber from the combustion chamber. A bulging plate (30) is arranged in the combustion antechamber and has multiple through passages (31).

IPC 8 full level

F23R 3/14 (2006.01); **F23R 3/04** (2006.01); **F23R 3/26** (2006.01); **F23R 3/28** (2006.01); **F23R 3/42** (2006.01)

CPC (source: EP US)

F23R 3/04 (2013.01 - US); **F23R 3/14** (2013.01 - EP US); **F23R 3/286** (2013.01 - EP US); **F23R 3/26** (2013.01 - US); **F23R 3/42** (2013.01 - US); **F23R 2900/03041** (2013.01 - US); **F23R 2900/03044** (2013.01 - US); **F23R 2900/03045** (2013.01 - US)

Citation (examination)

- US 4843825 A 19890704 - CLARK JIM A [US]
- US 6679063 B2 20040120 - EBEL MICHAEL [DE]

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 SE SI SK SM TR

DOCDB simple family (publication)

EP 2317227 A2 20110504; **EP 2317227 A3 20170913**; **EP 2317227 B1 20191002**; CA 2714259 A1 20110428; CA 2714259 C 20121120; DE 102009046066 A1 20110512; JP 2011094949 A 20110512; JP 5160616 B2 20130313; US 2011265483 A1 20111103; US 9140452 B2 20150922

DOCDB simple family (application)

EP 10171616 A 20100802; CA 2714259 A 20100902; DE 102009046066 A 20091028; JP 2010239494 A 20101026; US 91329510 A 20101027