

Title (en)
BURNER

Title (de)
BRENNER

Title (fr)
BRÛLEUR

Publication
EP 2885582 B1 20181205 (DE)

Application
EP 13750036 A 20130813

Priority
• DE 102012214707 A 20120817
• DE 102012216080 A 20120911
• EP 2013066943 W 20130813

Abstract (en)
[origin: WO2014027005A2] The invention relates to a burner (10) for producing hot gas and has a flame tube (12) that can be connected to a turbine. The burner (10) includes an air guiding device (14) surrounding the flame tube (12) and having a flow path (21) for air. The burner (10) has a burner head (16) mounted on a base (34) and having a plurality of nozzle channels (20) communicating with the flow path (25) for air in the air guiding device (14) in order to supply fuel mixed with air to the combustion chamber (12). A fuel nozzle (17) mounted on the base (34) protrudes into each of the nozzle channels (20). To be supplied with fuel, the fuel nozzles (17) are connected to an annular channel (52) which is formed in the base (34) and can be connected to a fuel supply line. According to the invention, to be supplied with fuel, the fuel nozzles (17) are connected to an annular channel (52) which is formed in the base (34) and can be connected to a fuel supply line.

IPC 8 full level
F23R 3/28 (2006.01); **F23R 3/34** (2006.01)

CPC (source: EP US)
F23R 3/283 (2013.01 - EP US); **F23R 3/286** (2013.01 - US); **F23R 3/343** (2013.01 - EP US); **F23R 3/54** (2013.01 - US);
F23R 2900/03282 (2013.01 - EP US)

Citation (examination)
• US 5983642 A 19991116 - PARKER DAVID MARCHANT [US], et al
• DE 102008037480 A1 20090430 - GEN ELECTRIC [US]
• US 2012047897 A1 20120301 - HIRATA YOSHITAKA [JP], et al
• EP 1985926 A2 20081029 - HITACHI LTD [JP]

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 RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2014027005 A2 20140220; WO 2014027005 A3 20140612; DE 102012216080 A1 20140220; EP 2885582 A2 20150624;
EP 2885582 B1 20181205; US 2015089954 A1 20150402; US 2018238549 A1 20180823; US 9982891 B2 20180529

DOCDB simple family (application)
EP 2013066943 W 20130813; DE 102012216080 A 20120911; EP 13750036 A 20130813; US 201414563532 A 20141208;
US 201815961428 A 20180424