

Title (en)
BURNER

Title (de)
BRENNERANORDNUNG

Title (fr)
BRÛLEUR

Publication
EP 2588805 B1 20160420 (DE)

Application
EP 11728849 A 20110701

Priority
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Abstract (en)
[origin: EP2402652A1] The burner (107) has a lance arranged in a middle of a cylindrical housing (12) and including a fuel channel (16), which is supported at the housing above swirl blades (17). A support (13) is arranged at a side leading towards a burner chamber. A fuel nozzle i.e. full jet nozzle (1), is arranged in the support upstream to the swirl blades. The fuel nozzle is connected with the fuel channel. A ratio of a length and a diameter of the full jet nozzle is 1.5. The support includes a cylindrical part and a conical part with a cone angle of 10 degrees to 20 degrees.

IPC 8 full level
F23D 11/38 (2006.01); **F23R 3/28** (2006.01)

CPC (source: EP US)
F23D 11/38 (2013.01 - EP US); **F23R 3/286** (2013.01 - EP US); **F23R 3/343** (2013.01 - US); **F23C 2900/07021** (2013.01 - EP US)

Citation (examination)
• JP 2002276943 A 20020925 - MITSUBISHI HEAVY IND LTD
• US 2004060297 A1 20040401 - KOENIG MICHAEL HERBERT [US], et al
• JP H09303776 A 19971128 - MITSUBISHI HEAVY IND LTD
• EP 2085695 A1 20090805 - SIEMENS AG [DE]

Designated contracting state (EPC)
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DOCDB simple family (publication)
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