

Title (en)

Combustion system particularly for a gas turbine

Title (de)

Verbrennungssystem insbesondere für eine Gasturbine

Title (fr)

Système de combustion en particulier pour une turbine à gaz

Publication

EP 1892472 B1 20101229 (DE)

Application

EP 06016932 A 20060814

Priority

EP 06016932 A 20060814

Abstract (en)

[origin: EP1892472A1] The burner (1) has a nozzle pipe (7) and a fuel fluid inlet pipe (9), which are in connection with the nozzle pipe for feeding the fuel fluid into the nozzle pipe, is proposed. The nozzle pipe has a nozzle discharge opening (15) and is designed for spraying a stream of fuel fluid or a mixture of air and fuel fluid into a combustion chamber (3) and further comprises in the region of the nozzle discharge opening protruding elements (19) towards the center of the opening. The elements are formed by a nozzle tube section extending to nozzle discharge opening with inner circumferential surfaces.

IPC 8 full level

F23D 11/40 (2006.01); **F23D 14/70** (2006.01); **F23R 3/28** (2006.01)

CPC (source: EP)

F23C 9/006 (2013.01); **F23D 11/406** (2013.01); **F23D 14/70** (2013.01); **F23R 3/28** (2013.01); **F23C 2900/09002** (2013.01); **F23D 2900/11401** (2013.01); **F23R 2900/03282** (2013.01)

Cited by

CN110822479A; EP2169308A1; EP2169307A1; CN102165258A; RU2506497C2; US8959922B2; WO2016068922A1; WO2010034819A1

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