

Title (en)

A premix burner for a gas turbine, in particular a microturbine

Title (de)

Vormischbrenner einer Gasturbine, insbesondere eine Mikroturbine

Title (fr)

Brûleur à prémélange pour turbine à gaz, en particulier une microturbine

Publication

**EP 1975513 A3 20150520 (EN)**

Application

**EP 08152724 A 20080313**

Priority

IT TO20070193 A 20070314

Abstract (en)

[origin: EP1975513A2] A gas turbine premix burner (1) is provided with a main annular duct (7) and a secondary annular duct (24), which are concentric with respect to a longitudinal axis (3) and have respective inlets (8, 25) for combustion air and respective axial outlets (9, 26), which give out, in use, into a combustion chamber (2); the main annular duct (7) has an initial portion (10) housing a blading (12) generating vortices and houses a plurality of pipes (39) for feeding combustible gas into the main annular duct (7); said pipes (39) are arranged about the longitudinal axis (3) and downstream of the blading (12) and each have at least one outlet hole (41), which has a radial component with respect to the axis (40) of the pipe (39).

IPC 8 full level

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CPC (source: EP)

**F23R 3/14** (2013.01); **F23R 3/286** (2013.01); **F23C 2900/03001** (2013.01); **F23R 2900/00002** (2013.01)

Citation (search report)

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- [Y] WO 9919674 A1 19990422 - SIEMENS WESTINGHOUSE POWER [US]
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