

Title (en)

Premix combustor for a gas turbine

Title (de)

Vormischbrennkammer für eine Gasturbine

Title (fr)

Chambre de combustion à prémélange pour turbine à gaz

Publication

EP 0924470 A3 20010314 (DE)

Application

EP 98123199 A 19981205

Priority

- DE 19756663 A 19971219
- DE 19810648 A 19980312

Abstract (en)

[origin: EP0924470A2] The combustion chamber has a main combustion zone and a downstream post-combustion zone. At least one premix chamber issues tangentially producing swirl in the combustion chamber. Also incorporated is a pilot stage with a pilot injection device. The main combustion zone (3) runs in the combustion chamber (9) runs coaxially to the post-combustion zone (5). The pilot stage (4) is arranged at the end of the combustion chamber remote from the post-combustion zone (5). At least one premix chamber (6) is formed as a rectangular channel. Its height is low in relation to its length and width. Its outlet end is so arranged in relation to the combustion chamber that the flow entering the combustion chamber has a maximum eccentricity to the longitudinal axis (M) of the combustion chamber.

IPC 1-7

F23R 3/28; F23R 3/42

IPC 8 full level

F23R 3/28 (2006.01); **F23R 3/30** (2006.01); **F23R 3/34** (2006.01); **F23R 3/42** (2006.01); **F23R 3/58** (2006.01)

CPC (source: EP US)

F23R 3/28 (2013.01 - EP US); **F23R 3/343** (2013.01 - EP US)

Citation (search report)

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