

Title (en)

COMBUSTION CHAMBER WITH BURNER AND ASSOCIATED OPERATING METHOD

Title (de)

BRENNKAMMER MIT BRENNER UND ZUGEHÖRIGES BETRIEBSVERFAHREN

Title (fr)

CHAMBRE DE COMBUSTION DOTEE D'UN BRÛLEUR ET PROCEDE D'EXPLOITATION CORRESPONDANT

Publication

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Application

**EP 06830438 A 20061207**

Priority

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Abstract (en)

[origin: WO2007074033A1] The invention relates to a method for operating a combustion chamber (2) of a gas turbine, in particular of a power plant, wherein the combustion chamber (2) has at least one burner (1) which is equipped with a catalytic pilot burner (3). In order to improve the stability of the combustion and the pollutant emissions of the combustion chamber (2), at a low power of the combustion chamber (2), the pilot burner (3) is actuated in such a way as to generate a synthesis gas with a high proportion of hydrogen gas, and at a high power of the combustion chamber (2), the pilot burner (3) is actuated such that the generated synthesis gas has a low proportion of hydrogen gas.

IPC 8 full level

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