

Title (en)

COMBUSTION CHAMBER WITH BURNER AND ASSOCIATED OPERATING METHOD

Title (de)

BRENNKAMMER MIT BRENNER UND ZUGEHÖRIGES BETRIEBSVERFAHREN

Title (fr)

CHAMBRE DE COMBUSTION DOTÉE D'UN BRÛLEUR ET PROCÉDE D'EXPLOITATION CORRESPONDANT

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Application

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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.

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