

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

EP 1963748 A1 20080903 (DE)

Application

EP 06830438 A 20061207

Priority

- EP 2006069429 W 20061207
- DE 102005061486 A 20051222

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

F23R 3/40 (2006.01)

CPC (source: EP US)

F23R 3/40 (2013.01 - EP US)

Citation (search report)

See references of WO 2007074033A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007074033 A1 20070705; DE 102005061486 A1 20070712; DE 102005061486 B4 20180712; EP 1963748 A1 20080903; EP 1963748 B1 20150805; MY 153409 A 20150213; US 2008314045 A1 20081225; US 7568907 B2 20090804

DOCDB simple family (application)

EP 2006069429 W 20061207; DE 102005061486 A 20051222; EP 06830438 A 20061207; MY PI20082219 A 20061207; US 14229908 A 20080619