

Title (en)
GAS TURBINE COMBUSTOR

Title (de)
GASTURBINENBRENNKAMMER

Title (fr)
CHAMBRE DE COMBUSTION DE TURBINE À GAZ

Publication
EP 2754963 A1 20140716 (EN)

Application
EP 12829519 A 20120807

Priority
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Abstract (en)
A gas turbine combustor includes a pilot burner, provided at a top portion of a combustion liner having a combustion chamber defined therein, and a main burner of a premixing type disposed adjacent an outer periphery thereof. The pilot burner is provided with an inflow passage, provided in an upstream end portion to allow the compressed air from a radially outer area into a radially inner area, a plurality of fuel supply holes for injecting the fuel into the inflow passage in a direction perpendicular to the flow of the compressed air, a premixing passage for guiding the air-fuel mixture from the inflow passage in an axially downstream direction while the compressed air and the fuel are mixed together, and a plurality of premixed air-fuel mixture injection holes for injecting the premixed air-fuel mixture from the premixing passage into the combustion chamber.

IPC 8 full level
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