

Title (en)

Premix burner with catalytic combustion and method of operating

Title (de)

Vormischbrenneranordnung mit katalytischer Verbrennung sowie Verfahren zum Betrieb hierzu

Title (fr)

Brûleur à prémélange avec combustion catalytique et procédé de fonctionnement

Publication

EP 1213541 B1 20061227 (DE)

Application

EP 01128082 A 20011127

Priority

DE 10061527 A 20001211

Abstract (en)

[origin: EP1213541A1] The premixing burner system for operating the combustion chamber (6) of a gas turbine comprises a fuel feed unit (2) and air channel (3) which form an air/fuel mixture in a premixing burner (1). This is fed to the combustion chamber and ignited. Part of the mixture is fed through a catalytic unit (8) mounted in front of the combustion chamber where it is converted to a CO₂/H₂ mixture which is fed back into the residual mixture. An Independent claim is included for a method for operating the system.

IPC 8 full level

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