

Title (en)
GAS TURBINE COMBUSTOR.

Title (de)
GASTURBINENBRENNER.

Title (fr)
BRULEUR DE TURBINE A GAZ.

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Application
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Abstract (en)
[origin: WO8902052A1] This invention relates to a gas turbine combustor of a premixing combustion system in which a fuel and the air are mixed and burnt, consisting of a cylindrical main nozzle provided on an upstream end wall of a cylindrical combustion chamber, an auxiliary nozzle formed around the main nozzle, a main premixed gas supply means for supplying a premixed gas to the main nozzle, and an auxiliary premixed gas supply means for supplying a premixed gas, the excess air ratio of which is smaller than that of the main premixed gas, to the auxiliary nozzle. Owing to this arrangement, a lean premixed gas having an excess air ratio larger than 1 can be burnt stably under low to high loads of a gas turbine.

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IPC 8 full level
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F23D 14/26 (2013.01); **F23D 23/00** (2013.01); **F23R 3/286** (2013.01)

Citation (search report)
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