

Title (en)
GAS TURBINE COMBUSTOR.

Title (de)
GASTURBINENBRENNER.

Title (fr)
BRULEUR DE TURBINE A GAZ.

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Application
EP 88907798 A 19880831

Priority
• JP 8800870 W 19880831
• JP 22020687 A 19870904

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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Cited by
US5318436A; DE102005054442B4; US5097666A; EP1531305A1; US6962055B2; US7797942B2; US10088163B2; WO9310400A1; WO2023214129A1

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