

Title (en)  
GAS TURBINE COMBUSTOR.

Title (de)  
GASTURBINENBRENNER.

Title (fr)  
BRULEUR DE TURBINE A GAZ.

Publication  
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Application  
**EP 88907798 A 19880831**

Priority  
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• 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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**F23R 3/28**

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

Citation (search report)  
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