

Title (en)
Gas-turbine combustion chamber.

Title (de)
Brennkammer einer Gasturbine.

Title (fr)
Chambre de combustion pour turbine à gaz.

Publication
EP 0481111 B1 19950628 (DE)

Application
EP 90119900 A 19901017

Priority
EP 90119900 A 19901017

Abstract (en)
[origin: EP0481111A1] In a combustion chamber (A), preferably of the shape of an annular combustion chamber, a row of premix burners (B, C) of different size is arranged on the inflow side. The large premix burners (B), which are the main burners of the combustion chamber, and the small premix burners (C), which are the pilot burners of the combustion chamber, open into a front wall (10) of the combustion chamber, these premix burners (B, C) being arranged alternately and at a uniform distance from one another. While the main burners (B) open directly into the front wall (10) to the combustion chamber, the pilot burners (C) have on the outflow side of their burner length a precombustion chamber (C1) which extends as far as the front wall (10). In this precombustion chamber (C1), both the evaporation of a liquid fuel and the combustion of liquid or gaseous fuels can be improved considerably with low partial loading of the machine.

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