

Title (en)

Method of operating a gas turbine combustion chamber for liquid fuel

Title (de)

Verfahren zum Betreiben einer Gasturbinenbrennkammer für flüssigen Kraftstoff

Title (fr)

Procédé de fonctionnement d'une chambre de combustion de turbine à gaz fonctionnant au carburant liquide

Publication

EP 0933594 B1 20041215 (FR)

Application

EP 99400141 A 19990121

Priority

FR 9800932 A 19980128

Abstract (en)

[origin: EP0933594A1] The tubular combustion chamber (2) has at least one air intake, a liquid fuel injector (6) situated on or close to its lengthwise axis (X-X'), and an outlet towards the turbine. The injector has a series of orifices (62) designed to give separate jets of fuel along the generating lines of a cone with a summit angle of 30 - 60 degrees. The chamber has two types of air intake situated close to one another - one (7) introducing an air flow in a spiral about the lengthwise axis, and the other (8) a tangential flow.

IPC 1-7

F23D 11/38; **F23C 7/00**; **F23R 3/14**; **F23R 3/58**; **F23R 3/28**

IPC 8 full level

F23R 3/54 (2006.01); **F23C 7/00** (2006.01); **F23D 11/38** (2006.01); **F23R 3/14** (2006.01); **F23R 3/28** (2006.01); **F23R 3/58** (2006.01)

CPC (source: EP US)

F23C 7/004 (2013.01 - EP US); **F23D 11/38** (2013.01 - EP US); **F23R 3/14** (2013.01 - EP US); **F23R 3/28** (2013.01 - EP US); **F23R 3/44** (2013.01 - EP US); **F23R 3/58** (2013.01 - EP US)

Cited by

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