

Title (en)

ANNULAR COMBUSTION CHAMBER WITH AN ANNULAR BURNER FOR GAS TURBINES

Publication

EP 0059490 B1 19841212 (DE)

Application

EP 82200099 A 19820127

Priority

CH 143981 A 19810304

Abstract (en)

[origin: US4455840A] A ring burner of a ring combustion chamber is divided into a large number of honeycomb-like parallel axis canals for the combustion air, by radial and circumferential plate canals or by radial plate canals, longitudinal tubing, radial tubing and annular tubing into which combustion gas is introduced from nozzles in the surrounding walls. At the burner outlet there are flame retention nozzles provided above the frontal surface area of the plate canals or tubes. Fuel nozzles are provided in front of the burner inlet for operation as a dual burner with gaseous and liquid fuels.

IPC 1-7

F23R 3/28; **F23R 3/36**

IPC 8 full level

F23R 3/10 (2006.01); **F23R 3/28** (2006.01); **F23R 3/36** (2006.01); **F23R 3/46** (2006.01); **F23R 3/50** (2006.01)

CPC (source: EP US)

F23R 3/10 (2013.01 - EP US); **F23R 3/28** (2013.01 - EP US); **F23R 3/36** (2013.01 - EP US)

Cited by

CN109028147A; EP1816400A3; DE19549143A1; EP0818658A1; FR2751054A1; US5937653A; DE102010036656B4; EP1614963A1

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