

Title (en)

Variable geometry gas turbine combustor chamber

Title (de)

Brennkammer einer Gasturbine mit verstellbarer Geometrie

Title (fr)

Chambre de combustion de turbine à gaz à géométrie variable

Publication

EP 0964206 A1 19991215 (FR)

Application

EP 99401204 A 19990518

Priority

FR 9807409 A 19980611

Abstract (en)

The combustion chamber has pilot (11) and main (12) combustion zones with separate injectors (3,7;4,8) for fuel and oxidant, the assembly being held under pressure (P1) inside a housing (14). The system incorporates a regulating mechanism for the main oxidant flow which reacts to the pressure difference between the internal pressure (P1) and the atmospheric pressure outside the housing.

IPC 1-7

F23R 3/26; **F23R 3/34**

IPC 8 full level

F23R 3/26 (2006.01); **F23R 3/34** (2006.01)

CPC (source: EP US)

F23R 3/26 (2013.01 - EP US); **F23R 3/346** (2013.01 - EP US)

Citation (search report)

- [Y] FR 2270448 A1 19751205 - BENNES MARREL [FR]
- [Y] EP 0281961 A1 19880914 - HITACHI LTD [JP]
- [Y] US 5159807 A 19921103 - FORESTIER ALEXANDRE [FR]
- [Y] US 4296599 A 19811027 - ADAMSON ARTHUR P
- [A] US 3691761 A 19720919 - JACKSON SQUIRE RONALD, et al
- [A] US 3869246 A 19750304 - HAMMOND JR DEAN C, et al
- [A] US 3765171 A 19731016 - HAGEN H, et al

Cited by

EP1777459A3; US8915086B2; US11242992B2

Designated contracting state (EPC)

BE DE GB IT NL

DOCDB simple family (publication)

EP 0964206 A1 19991215; **EP 0964206 B1 20041208**; DE 69922437 D1 20050113; DE 69922437 T2 20051208; FR 2779807 A1 19991217; FR 2779807 B1 20000713; JP 2000009319 A 20000114; JP 4435331 B2 20100317; US 6263663 B1 20010724

DOCDB simple family (application)

EP 99401204 A 19990518; DE 69922437 T 19990518; FR 9807409 A 19980611; JP 16130699 A 19990608; US 33019999 A 19990611