

Title (en)
FLOW-GUIDING BODY FOR GAS TURBINE COMBUSTION CHAMBERS

Title (de)
STRÖMUNGSLEITKÖRPER FÜR EINE GASTURBINEN-BRENNKAMMER

Title (fr)
CORPS DE GUIDAGE DE L'ÉCOULEMENT POUR CHAMBRES DE COMBUSTION DE TURBINES A GAZ

Publication
EP 0807213 A1 19971119 (DE)

Application
EP 95907643 A 19950203

Priority
EP 9500401 W 19950203

Abstract (en)
[origin: WO9623981A1] A flow-guiding body is designed as a pointed, substantially conical moulded shell (1). The projection of its base surface is formed by a straight line (3a) and by a curve (3b) that interconnects the ends of the straight line. The curve (3b) forms no significant angles. The moulded shell (1) faces with its point the fluid flow that hits its outer side and may be used as a mixing element for gaseous fuel and air, as an air sprayer with flame-holder, as a mixing element for admixed air in combustion chambers, as a swirling element or as a shell-shaped air sprayer combined with a fuel film generator or a fuel pressure spraying nozzle.

IPC 1-7
F15D 1/00; **F15D 1/02**; **B01F 5/06**; **F23R 3/20**; **F23R 3/12**

IPC 8 full level
B01F 5/06 (2006.01); **F15D 1/00** (2006.01); **F15D 1/02** (2006.01); **F23M 9/02** (2006.01); **F23R 3/12** (2006.01); **F23R 3/20** (2006.01)

CPC (source: EP US)
B01F 25/431971 (2022.01 - EP US); **F15D 1/0005** (2013.01 - EP US); **F15D 1/02** (2013.01 - EP US); **F23M 9/02** (2013.01 - EP US); **F23R 3/12** (2013.01 - EP US); **F23R 3/20** (2013.01 - EP US); **F23D 2209/20** (2013.01 - EP US); **F23D 2900/11101** (2013.01 - EP US)

Citation (search report)
See references of WO 9623981A1

Designated contracting state (EPC)
DE FR GB SE

DOCDB simple family (publication)
WO 9623981 A1 19960808; CA 2209672 A1 19960808; CA 2209672 C 20060606; DE 59510303 D1 20020905; EP 0807213 A1 19971119; EP 0807213 B1 20020731; US 5918465 A 19990706

DOCDB simple family (application)
EP 9500401 W 19950203; CA 2209672 A 19950203; DE 59510303 T 19950203; EP 95907643 A 19950203; US 87564097 A 19970730