

Title (en)

Burner for operating a combustion chamber

Title (de)

Brenner zum Betrieb einer Brennkammer

Title (fr)

Brûleur pour le fonctionnement d'une chambre de combustion

Publication

EP 0981016 B1 20040107 (DE)

Application

EP 98810805 A 19980819

Priority

EP 98810805 A 19980819

Abstract (en)

[origin: EP0981016A1] A fuel injection device (7) is provided in the direction of the air inlet current (6) in front of the tangential air inlet slits (1) to inject the fuel in a parallel flow direction to the air inlet current into the air inlet slit. The injection device injects the fuel isokinetically relative to the combustion inlet air. The individual injection devices for each air inlet slit are connected together through a cohesive frame formed as a module fixable on the burner.

IPC 1-7

F23C 7/00; F23D 17/00; F23D 14/64

IPC 8 full level

F23C 7/00 (2006.01); **F23D 14/64** (2006.01); **F23D 17/00** (2006.01)

CPC (source: EP US)

F23C 7/002 (2013.01 - EP US); **F23D 14/64** (2013.01 - EP US); **F23D 17/00** (2013.01 - EP US); **F23C 2900/07002** (2013.01 - EP US)

Cited by

EP1734306A1; CH701905A1; WO2011032935A3; US7975486B2; US8549860B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0981016 A1 20000223; **EP 0981016 B1 20040107**; CN 1113187 C 20030702; CN 1245276 A 20000223; DE 59810551 D1 20040212; US 6263676 B1 20010724

DOCDB simple family (application)

EP 98810805 A 19980819; CN 99111501 A 19990817; DE 59810551 T 19980819; US 36983899 A 19990809