

Title (en)
Combustion chamber

Title (de)
Brennkammer

Title (fr)
Chambre de combustion

Publication
EP 0751351 B1 20021016 (DE)

Application
EP 96810353 A 19960531

Priority
DE 19523094 A 19950626

Abstract (en)
[origin: EP0751351A1] Injector systems (8,9) are positioned near the opening of the cool air conducting duct (2,3) into the plenum chamber (7). The cool air duct encloses the burner chamber (1). The injector systems each consist of a through-flow duct as continuation of the cool-air duct, and a number of openings (5a) in the peripheral direction of the through-flow duct. Accelerating air (5) acts upon the openings. The burner (100) consists of at least two hollow, conical parts with staggered longitudinal axes of symmetry. The adjacent walls of the parts have tangential ducts for a combustion air current (115). At least one fuel nozzle is positioned in the conical hollow interior formed by the parts.

IPC 1-7
F23R 3/12

IPC 8 full level
F23R 3/06 (2006.01); **F23C 7/00** (2006.01); **F23D 11/40** (2006.01); **F23D 17/00** (2006.01); **F23L 1/00** (2006.01); **F23R 3/12** (2006.01)

CPC (source: EP US)
F23C 7/002 (2013.01 - EP US); **F23D 11/402** (2013.01 - EP US); **F23D 17/002** (2013.01 - EP US); **F23R 3/12** (2013.01 - EP US); **F23C 2900/07002** (2013.01 - EP US)

Cited by
WO9906767A1

Designated contracting state (EPC)
DE FR GB NL

DOCDB simple family (publication)
EP 0751351 A1 19970102; EP 0751351 B1 20021016; DE 19523094 A1 19970102; DE 59609792 D1 20021121; JP 4001952 B2 20071031; JP H0914635 A 19970117; US 5832732 A 19981110

DOCDB simple family (application)
EP 96810353 A 19960531; DE 19523094 A 19950626; DE 59609792 T 19960531; JP 15988096 A 19960620; US 66279896 A 19960612