

Title (en)
Burner

Title (de)
Brenner

Title (fr)
Brûleur

Publication
EP 0807787 B1 20030528 (DE)

Application
EP 97810221 A 19970414

Priority
DE 19619873 A 19960517

Abstract (en)
[origin: EP0807787A2] The part conical bodies (1,2) have tangential air inlet-slots (5,6) which define at least one air-inlet plane (21) into the burner, with inlets (13,14) for the gas or liquid fuel (12). The centre axes (3,4) of the hollow part conical bodies have an amount of taper widening in the direction of flow, and which run towards each other in a longitudinal direction. <??>The conical interior (8) formed by the part conical bodies on the burner head contains a fuel jet (11) for the liquid fuel (12), and contains inlets for the gas fuel with fuel-injectors (15) defining at least one fuel injection plane (22). The part-conical bodies at least partly overlap. The overlap angle increases in the burner flow direction, and at the same time the distance between the fuel injectors and the air inflow plane into the burner increases.

IPC 1-7
F23D 17/00; **F23C 7/00**

IPC 8 full level
F23R 3/28 (2006.01); **F23C 7/00** (2006.01); **F23D 14/02** (2006.01); **F23D 17/00** (2006.01)

CPC (source: EP US)
F23C 7/002 (2013.01 - EP US); **F23D 17/002** (2013.01 - EP US); **F23C 2900/07002** (2013.01 - EP US)

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