

Title (en)  
Burner for a heat generator

Title (de)  
Brenner für einen Wärmeerzeuger

Title (fr)  
Brûleur pour un générateur de chaleur

Publication  
**EP 0780630 B1 20010926 (DE)**

Application  
**EP 96810827 A 19961127**

Priority  
DE 19547912 A 19951221

Abstract (en)  
[origin: EP0780630A2] A mixer section (22), downstream from the swirl generator (100a), has transfer ducts (201) inside a first section (200) running in the direction of the current, they are used for transferring a current (40) formed in the swirl generator into a pipe (20) situated after the transfer ducts. A nozzle (103) injects the fuel and is displaced in relation to the start of the swirl generator by a section (126). The number of transfer ducts in the mixer section matches the number of part currents formed by the swirl generator. The outlet plane of the pipe has a break edge (A) for stabilising and enlarging the reverse zone (50) formed downstream.

IPC 1-7  
**F23D 11/40**; F23D 17/00; F23C 7/00

IPC 8 full level  
**F23R 3/28** (2006.01); **F23C 7/00** (2006.01); **F23D 11/24** (2006.01); **F23D 11/40** (2006.01); **F23D 17/00** (2006.01); **F23R 3/32** (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); **F23C 2900/07002** (2013.01 - EP US)

Cited by  
WO2015140085A1; WO2015140084A1; US6102692A; EP1262714A1; EP0833104A3; EP0903540A1; US5944511A; EP0909921A1; US5954495A; US7871262B2; DE102014205200B3; EP0833105A3; DE102014205198A1; CN106461209A; US6672863B2; WO2015055916A1

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