

Title (en)
Burner

Title (de)
Brenner

Title (fr)
Brûleur

Publication
EP 1199516 B1 20060208 (DE)

Application
EP 01123615 A 20011002

Priority
DE 10050248 A 20001011

Abstract (en)
[origin: DE10050248A1] The swirl generator (100) has an inner chamber (122) supplied by a current (141) of combustion air and into which at least one fuel (142) is fed. the end of the burner facing away from the current has a discontinuous widening of the axial cross-section in the passage to the burner -chamber (50). The burner has an injector (112) for conveying an axial central current (145) along a central burner axis (100a). The injector has adjustable elements (1122) for altering the cross-section of flow and for controlling the mass flow of the central current.

IPC 8 full level
F23C 7/00 (2006.01); **F23D 14/02** (2006.01); **F23D 14/60** (2006.01)

CPC (source: EP US)
F23C 7/002 (2013.01 - EP US); **F23C 7/008** (2013.01 - EP US); **F23D 14/02** (2013.01 - EP US); **F23C 2900/07002** (2013.01 - EP US); **F23R 2900/00013** (2013.01 - EP US); **F23R 2900/00014** (2013.01 - EP US)

Cited by
CN102537959A

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
EP 1199516 A1 20020424; EP 1199516 B1 20060208; DE 10050248 A1 20020418; DE 50108888 D1 20060420; US 2002124549 A1 20020912; US 2004139748 A1 20040722; US 6901760 B2 20050607

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EP 01123615 A 20011002; DE 10050248 A 20001011; DE 50108888 T 20011002; US 66556903 A 20030922; US 97386801 A 20011011