

Title (en)  
Burner

Title (de)  
Brenner

Title (fr)  
Brûleur

Publication  
**EP 1002992 B1 20040929 (DE)**

Application  
**EP 98811144 A 19981118**

Priority  
EP 98811144 A 19981118

Abstract (en)  
[origin: EP1002992A1] The burner consists essentially of two or more hollow sub-bodies (1,2) stacked one inside the other in the flow direction (30) and with offset central axes. Adjacent walls of the sub-bodies form tangential air inlet channels (5,6) for the inflow of combustion air in to an inner vol. defined by the sub-bodies. The burner has at least one fuel nozzle (11). The inside of the burner outlet has a number of nozzles (32) along the periphery of the burner outlet for introducing axial turbulence into the flow to control flow instabilities in the burner. The nozzles feed air(34) in at an angle to the flow direction.

IPC 1-7  
**F23C 7/00**

IPC 8 full level  
**F23C 7/00** (2006.01)

CPC (source: EP US)  
**F23C 7/002** (2013.01 - EP US); **F23C 2900/07002** (2013.01 - EP US); **F23D 2210/00** (2013.01 - EP US)

Citation (examination)  
EP 0851172 A2 19980701 - ABB RESEARCH LTD [CH]

Cited by  
US7871262B2; AU776725B2; EP1217295A3; EP1217295A2; US6773257B2

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DE GB

DOCDB simple family (publication)  
**EP 1002992 A1 20000524; EP 1002992 B1 20040929**; DE 59812039 D1 20041104; US 6183240 B1 20010206

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**EP 98811144 A 19981118**; DE 59812039 T 19981118; US 43858899 A 19991112