

Title (en)  
Burner

Title (de)  
Brenner

Title (fr)  
Bruleur

Publication  
**EP 1559955 A3 20051026 (DE)**

Application  
**EP 05101530 A 20010613**

Priority  
• DE 10029607 A 20000615  
• EP 01951833 A 20010613

Abstract (en)  
[origin: DE10029607A1] The method involves operating a burner with first and second fuel supplies for first (6) and second (8) groups of fuel outlets arranged in the direction of the burner axis to supply first and second amounts of the same premix fuel to a swirl chamber. Fuel can be fed to the two fuel supplies independently from each other. The fuel supplies for the two groups of fuel outlets can be controlled or regulated separately. An Independent claim is included for a burner with stepped premix gas injection.

IPC 1-7  
**F23D 14/02**; **F23R 3/12**

IPC 8 full level  
**F23C 7/00** (2006.01); **F23D 14/02** (2006.01); **F23D 17/00** (2006.01); **F23R 3/12** (2006.01); **F23R 3/28** (2006.01)

CPC (source: EP)  
**F23C 7/002** (2013.01); **F23D 17/002** (2013.01); **F23R 3/12** (2013.01); **F23R 3/286** (2013.01); **F23C 2900/07002** (2013.01); **F23C 2900/07021** (2013.01)

Citation (search report)  
• [A] EP 0777081 A2 19970604 - ABB RESEARCH LTD [CH]  
• [AD] WO 9317279 A1 19930902 - UNITED TECHNOLOGIES CORP [US]  
• [A] WO 9516881 A1 19950622 - ABB STAL AB [SE], et al

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**DE 10029607 A1 20011220**; DE 50106117 D1 20050609; EP 1559955 A2 20050803; EP 1559955 A3 20051026; EP 1559955 B1 20151104

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**DE 10029607 A 20000615**; DE 50106117 T 20010613; EP 05101530 A 20010613