

Title (en)  
GAS BURNER

Publication  
**EP 0229048 B1 19901107 (EN)**

Application  
**EP 85903118 A 19850603**

Priority  
US 8501039 W 19850603

Abstract (en)  
[origin: WO8607436A1] High-velocity gas burners having enhanced flame stability over wide operating ranges are provided by correlating the dimensions of the combustion chamber with other burner dimensions, in particular, the ratio of the combustion chamber diameter (DS), to the flame holder exit diameter (DF), and the ratio of the effective length (LE), of the combustion chamber to the combustion chamber diameter (DS).

IPC 1-7  
**F23D 14/02**

IPC 8 full level  
**F23D 14/02** (2006.01); **C21B 7/16** (2006.01); **F23C 3/00** (2006.01); **F23C 5/00** (2006.01); **F23D 14/08** (2006.01); **F23D 14/62** (2006.01)

CPC (source: EP KR)  
**C21B 7/16** (2013.01 - EP); **F23C 3/00** (2013.01 - EP); **F23C 5/00** (2013.01 - EP); **F23D 14/02** (2013.01 - KR); **F23M 2900/05021** (2013.01 - EP)

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**WO 8607436 A1 19861218**; AT E58221 T1 19901115; AU 4496385 A 19870107; AU 573863 B2 19880623; BG 47799 A3 19900914; BR 8507221 A 19870804; DE 3580486 D1 19901213; EP 0229048 A1 19870722; EP 0229048 A4 19890124; EP 0229048 B1 19901107; FI 86470 B 19920515; FI 86470 C 19920825; FI 870443 A0 19870202; FI 870443 A 19870202; JP S62503115 A 19871210; KR 880700213 A 19880220; KR 930007447 B1 19930811; NO 870410 L 19870202

DOCDB simple family (application)  
**US 8501039 W 19850603**; AT 85903118 T 19850603; AU 4496385 A 19850603; BG 7829687 A 19870202; BR 8507221 A 19850603; DE 3580486 T 19850603; EP 85903118 A 19850603; FI 870443 A 19870202; JP 50282485 A 19850603; KR 870700096 A 19870202; NO 870410 A 19870202