

Title (en)  
Burner system

Title (de)  
Brennersystem

Title (fr)  
Ensemble brûleur

Publication  
**EP 1265029 A3 20031112 (DE)**

Application  
**EP 02405361 A 20020503**

Priority  
DE 10128063 A 20010609

Abstract (en)  
[origin: EP1265029A2] The system includes a flow channel (10) between the premix burner (1) and the combustion chamber (5). The channel is bounded by side walls which form a gradual transition between the flow cross section (C1) and the combustion chamber cross section (C2). At least one flow breakaway structure is provided within the flow channel or downstream of it to detach the through-flow mixture from the side wall locally.

IPC 1-7  
**F23R 3/28**; **F23R 3/12**; **F23C 7/00**; **F23D 11/40**; **F23D 14/70**; **F23D 17/00**

IPC 8 full level  
**F23D 14/02** (2006.01); **F23C 7/00** (2006.01); **F23D 11/40** (2006.01); **F23D 14/70** (2006.01); **F23D 17/00** (2006.01)

CPC (source: EP KR US)  
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**F23D 17/002** (2013.01 - EP US); **F23C 2900/07002** (2013.01 - EP US); **F23D 2210/00** (2013.01 - EP US); **F23R 2900/03341** (2013.01 - EP US)

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US 2002187448 A1 20021212; US 6572366 B2 20030603

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**EP 02405361 A 20020503**; DE 10128063 A 20010609; KR 20020031252 A 20020604; US 14504402 A 20020515