

Title (en)  
Burner device for gaseous fuels

Title (de)  
Brennereinrichtung für einen gasartigen Brennstoff

Title (fr)  
Dispositif de combustion pour combustibles gazeux

Publication  
**EP 0699867 A3 19960911 (DE)**

Application  
**EP 95113665 A 19950831**

Priority  
DE 4432395 A 19940903

Abstract (en)  
[origin: EP0699867A2] The burner has at least fuel and air supplies to a mixing zone (15), in which a spinning motion or vortex is generated in part of the combustion air. It has a tube (22) for stabilising the vortex, and a hollow lance (23) for supplying the fuel gas, and which is arranged substantially in the centre. The ID of the stabiliser tube is at least twice the OD of the lance, and the lance has at least one region (26,27) inside the stabilising tube for the lateral discharge of gas. The lance may also have at least two axially separated discharge regions, of which one may be inside the stabiliser tube, and one may be outside.

IPC 1-7  
**F23D 14/24**; **F23C 9/00**

IPC 8 full level  
**F23C 9/00** (2006.01); **F23D 14/24** (2006.01)

CPC (source: EP)  
**F23C 9/006** (2013.01); **F23D 14/24** (2013.01)

Citation (search report)

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- [A] US 4472136 A 19840918 - LEFEBVRE DENIS [CA]
- [A] FR 2582781 A1 19861205 - MUELLER RUDOLF [CH]
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- [APD] DE 4329971 A1 19950316 - GRAAT JOHANNES W [NL]

Cited by  
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Designated contracting state (EPC)  
CH DE FR GB IT LI SE

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