

Title (en)  
Gas burner

Title (de)  
Gasbrenner

Title (fr)  
Brûleur à gaz

Publication  
**EP 0947770 A3 20000301 (DE)**

Application  
**EP 99105813 A 19990323**

Priority  
DE 19813896 A 19980328

Abstract (en)  
[origin: EP0947770A2] The cross-sectional surface of the reaction zone enlarges continuously and the burner body (10) has a blunt conical geometry. The entry cross-sectional surface over which the combustion gas - air mixture flows to the burner body is formed by the smaller circular surface of the burner body. The combustion gas - air mixture is introduced into the burner body via a feed conduit (15) and is emitted into the burner body via a cylindrical or spherical distributor (16).

IPC 1-7  
**F23D 14/02**; **F23C 11/00**; **F23D 14/16**

IPC 8 full level  
**F23C 99/00** (2006.01); **F23D 14/02** (2006.01); **F23D 14/16** (2006.01)

CPC (source: EP)  
**F23C 99/006** (2013.01); **F23D 14/02** (2013.01)

Citation (search report)

- [XY] FR 471656 A 19141106 - GAZ DE PARIS [FR]
- [Y] DE 9107108 U1 19910801
- [X] US 5147201 A 19920915 - XIONG TIAN-YU [US]
- [A] EP 0009182 A1 19800402 - SIEMENS AG [DE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 007, no. 230 (M - 249) 12 October 1983 (1983-10-12)
- [X] PATENT ABSTRACTS OF JAPAN vol. 016, no. 030 (M - 1203) 24 January 1992 (1992-01-24)
- [A] PATENT ABSTRACTS OF JAPAN vol. 010, no. 114 (M - 473) 26 April 1986 (1986-04-26)

Cited by  
WO2004016987A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**DE 19813896 A1 19990930**; **DE 19813896 B4 20051229**; DE 59907249 D1 20031113; EP 0947770 A2 19991006; EP 0947770 A3 20000301; EP 0947770 B1 20031008

DOCDB simple family (application)  
**DE 19813896 A 19980328**; DE 59907249 T 19990323; EP 99105813 A 19990323