

Title (en)  
COMBUSTION DEVICE

Publication  
**EP 0446434 A3 19920311 (DE)**

Application  
**EP 90123044 A 19901201**

Priority  
DE 4007628 A 19900310

Abstract (en)  
[origin: US5145362A] An apparatus for burning pollutants in a carrier gas flow such as exhaust gases, is constructed as a compact unit. For this purpose a radial blower for the supply of the carrier gas which carries the pollutants is arranged directly in an inlet chamber of the gas cleaning apparatus. The inlet port of the inlet chamber is connected through a duct to the suction inlet of the radial blower. The compression outlet of the radial blower leads into a ring gap which in turn opens radially into the inlet chamber. For this purpose, the radial blower is enclosed by a blower housing which is arranged concentrically at one end of the housing opposite the burner arranged at the other end of the housing. The drive motor for the radial blower is mounted directly on the outside to an end wall of the housing of the apparatus.

IPC 1-7  
**F23G 7/06**

IPC 8 full level  
**F23G 7/06** (2006.01)

CPC (source: EP US)  
**F23G 7/066** (2013.01 - EP US)

Citation (search report)  
• [A] EP 0040690 A1 19811202 - KATEC KATALYTISCHE LUFTECHNIK [DE]  
• [A] US 4324545 A 19820413 - HUBBERT GORDON F  
• [A] EP 0350512 A1 19900117 - ANTON GERHARD ING GRAD [DE], et al

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

DOCDB simple family (publication)  
**US 5145362 A 19920908**; AT E107006 T1 19940615; CA 2037865 A1 19910911; CA 2037865 C 20010417; DE 59006060 D1 19940714; EP 0446434 A2 19910918; EP 0446434 A3 19920311; EP 0446434 B1 19940608

DOCDB simple family (application)  
**US 66751391 A 19910311**; AT 90123044 T 19901201; CA 2037865 A 19910308; DE 59006060 T 19901201; EP 90123044 A 19901201