

Title (en)  
DEVICE FOR BURNING OXIDIZABLE COMPONENTS IN EXHAUST AIR

Publication  
**EP 0446435 B1 19930526 (DE)**

Application  
**EP 90123052 A 19901201**

Priority  
DE 4007625 A 19900310

Abstract (en)  
[origin: US5200155A] Oxidizable components in an exhaust air or gas flow are burnt by a burner in a combustion chamber enclosed in a housing. For this purpose the exhaust air is distributed into inlet ends of heat exchanger pipes which have outlet ends near the burner. The arrangement is such that the exhaust air carrying oxidizable components flows through the heat exchanger pipes while the exhaust air freed of oxidizable components flows around the heat exchanger pipes. In order to permit effective heat expansions and contractions of the heat exchanger pipes, these pipes have an L-configuration with radially inwardly extending legs having inlet ends connected into perforations in a jacket forming an exhaust air distribution chamber, and with substantially axially extending legs having outlet ends leading close to the burner. An air inlet leads centrally into the distribution chamber and a cleaned air outlet leads out of the housing.

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)

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

DOCDB simple family (publication)  
**US 5200155 A 19930406**; AT E89907 T1 19930615; CA 2037863 A1 19910911; CA 2037863 C 20010911; DE 59001568 D1 19930701; EP 0446435 A2 19910918; EP 0446435 A3 19920304; EP 0446435 B1 19930526

DOCDB simple family (application)  
**US 66751491 A 19910311**; AT 90123052 T 19901201; CA 2037863 A 19910308; DE 59001568 T 19901201; EP 90123052 A 19901201