

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.

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F23G 7/06

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CPC (source: EP US)
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