

Title (en)

Apparatus for flue gas recirculation in oil and gas burners.

Title (de)

Vorrichtung zur Rauchgasrückführung bei Oel- und Gasbrennern.

Title (fr)

Dispositif pour la recirculation du gaz de fumée dans des brûleurs à huile et à gaz.

Publication

EP 0391858 B1 19950104 (DE)

Application

EP 90810274 A 19900405

Priority

CH 133489 A 19890407

Abstract (en)

[origin: EP0391858A1] The invention serves to reduce the formation of nitrogen oxides in the operation of burners for solid, liquid and gaseous fuels with the aid of flue gas recirculation. In this connection, the flue gases are admitted into a combustion chamber (6), through openings (3b) provided in the region of a stabiliser (4), via a flame pipe and optionally also around the flame pipe (3). Preferably, both the combustion air and the waste gases are activated with an activator aerosol. The recirculation of the waste gases takes place via a longitudinally displaceable adaptor pipe (12a, 12b) and adaptor-pipe shoulder (11), which surrounds the flame pipe (3) at least partially. Regulation of the waste gas flows (14, 15) takes place by means of displacing the adaptor pipe (12a, 12b) and the adaptor pipe shoulder (11). <IMAGE>

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