

Title (en)

Combustion device for impurities.

Title (de)

Vorrichtung zum Verbrennen von Störstoffen.

Title (fr)

Dispositif de combustion pour impuretés.

Publication

EP 0447631 B1 19940302 (DE)

Application

EP 90123045 A 19901201

Priority

DE 4007626 A 19900310

Abstract (en)

[origin: EP0447631A2] The combustion device consists of a cylindrical container (1), in which bundles of heat-exchange pipes (7) are arranged in an annular chamber (18). While the media flow to be treated is supplied through the heat-exchange pipes (7) to a burner (13), the discharge of the heated treated media flow takes place over the heat-exchange pipes (7) and flows around these. As a result, the heat-exchange pipes (7) are exposed to changes in length which are compensated by the heat-exchange pipes (7) being provided in the inflow-side end region with Z-shaped or S-shaped double bends (8-8). Connecting pieces (9) between the double bends (8-8) are inclined tangentially to a circle, the central point of which lies in the central axis of the container (1). As a result, the connecting pieces (9) can be dimensioned comparatively long, as a result of which particularly large changes in length of the heat-exchange pipes (7) can be compensated in a very elastic manner.

IPC 1-7

F23G 7/06

IPC 8 full level

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