

Title (en)

Insert for boiler, boiler and method for operating the installation

Title (de)

Einsatz für eine Kesselanlage, Kesselanlage und Verfahren zum Betreiben der Kesselanlage

Title (fr)

Pièce d'insertion pour chaudière , chaudière et procédé de fonctionnement de l'installation

Publication

**EP 0778447 B1 20030709 (DE)**

Application

**EP 96113366 A 19960821**

Priority

DE 19534319 A 19950915

Abstract (en)

[origin: EP0778447A2] The flame tube (21) of the burner (22) extends through the boiler door (23). The combustion chamber (24) of the boiler (25) is limited by a heat exchanger (26) with its outer walls (27) and by the rear wall of the boiler (28). The heat exchanger houses the heat exchange pipes (29) through which water to be heated flows. The water inlet (30) and outlet (31) are connected at the side. The insert (1) is centrally arranged in the combustion chamber so that the centreline of the flame coincides with its centreline, and is positioned on a locator comprising three bearing pins. The flame (34) starts shortly behind the flame tube and burns in the flow direction. Between the flame tube and the insert is a space (35) acting as a suction area (36). A part of the gas is recirculated via the suction area through the inlet aperture and through the injection openings (6) in the insert.

IPC 1-7

**F23M 9/06**; F23D 11/40; F23C 9/00

IPC 8 full level

**F23C 9/00** (2006.01); **F23D 11/40** (2006.01); **F23M 9/06** (2006.01)

CPC (source: EP)

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