

Title (en)
BOILER

Publication
EP 0406173 A3 19910206 (DE)

Application
EP 90810472 A 19900622

Priority
CH 236489 A 19890626

Abstract (en)
[origin: EP0406173A2] A heating boiler comprises a heat-exchange chamber (13) surrounded by a heating jacket (15). Another water jacket (27) arranged concentrically with the latter extends, at the rear of the heating boiler, over approximately half the length of the heating jacket (15). A concentric core body (43) is located inside the water jacket (27). Helical flue gas channels (54, 56) each provided with an outlet (33, 37, respectively), are arranged in the spaces (53, 55, respectively). A flue gas flap (39) is located in the opening region of the outlets (33, 37). In the central position illustrated, the flue gases can escape virtually unhindered from both flue gas channels. This corresponds to full-load operation of the burner (11). At minimal load, the outlet (33) is closed by the flue gas flap. In both cases, however, the flue gas temperature is the same. This prevents the temperature in every part of the heating boiler from descending below the dew point.

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F24H 1/282 (2013.01); **F24H 9/0031** (2013.01); **F24H 9/0036** (2013.01)

Citation (search report)

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