

Title (en)
BOILER FOR BURNING LIQUID OR GASEOUS FUEL

Publication
EP 0347619 A3 19910731 (DE)

Application
EP 89109761 A 19890530

Priority
DE 3820671 A 19880618

Abstract (en)
[origin: EP0347619A2] The boiler is intended for burning liquid or gaseous fuels and consists of a water-bearing housing (1), in which are arranged a firing space (2) with a gas draw-off zone (S) leading to the gas draw-off connection (3) and, in front of the firing space (2), the housing (4) of a blower burner (5) which is connected to the draw-off region of the boiler via an exhaust-gas return channel. To make it possible to ensure a partial return of the exhaust gas on such a burner, and avoid having to provide an outer exhaust-gas return line for this, between the low-pressure side (6) of the rotor chamber (7) of the blower housing (4) located opposite the air intake side and the end region (8) of the firing space (2) located on the burner side is arranged an overflow port (9) forming the exhaust-gas return channel. This exhaust-gas overflow port (9) connects the rotor chamber (7) to the end region (S') of the gas draw-off zone (S). The rotor wheel (12) of the blower is designed to exert suction on the overflow-channel side.
<IMAGE>

IPC 1-7
F23C 9/00; **F24H 1/26**

IPC 8 full level
F23C 9/00 (2006.01); **F24H 1/26** (2006.01)

CPC (source: EP)
F23C 9/00 (2013.01); **F24H 1/263** (2013.01)

Citation (search report)
• [AP] DE 8708656 U1 19880818
• [A] FR 2370235 A1 19780602 - INTERLIZ ANSTALT [LI]
• [A] WO 8700910 A1 19870212 - KOMFORTVENTILATION TEKNIK AB [SE]

Cited by
EP0428117A3; AT396821B; DE4400686C1; EP0453639A3

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