

Title (en)

Combined central-heating and water-heating boiler.

Title (de)

Kessel für Zentralheizung und Brauchwasserproduktion.

Title (fr)

Chaudière pour le chauffage central et la production d'eau chaude.

Publication

**EP 0445889 B1 19940831 (EN)**

Application

**EP 91200472 A 19910305**

Priority

NL 9000511 A 19900306

Abstract (en)

[origin: EP0445889A1] A gas-fired central-heating and water-heating boiler comprising a water tank (13) which is part of a closed central-heating water circuit, a U-shaped compact unit formed from one piece of aluminum alloy, comprising a burner chamber (22) and a heat exchanger (23) being submerged in the tank (13) and a water mains-connected tapping coil (19) for hot water for domestic use extending in the tank (13), the ratio of the water mass, in liters, that surrounds the submerged U-shaped unit (22,23) in the tank (13), to the mass of the submerged U-shaped unit (22,23), in kilograms, being greater than 1. Mounted at the top of the leg of the U where the burner chamber is provided, are means (26,27) for forcing a combustible gas/air mixture downwards into the burner.(22) and at the lowest point of the U an element (29) is arranged, of a material of poor thermal conductivity compared with the Al alloy of the heat exchanger, condensation occurring on this element (29). <IMAGE>

IPC 1-7

**F24H 1/26**; **F24H 1/52**

IPC 8 full level

**F24H 1/26** (2006.01); **F24H 1/52** (2006.01)

CPC (source: EP)

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