

Title (en)
Boiler with pressurized firebox.

Title (de)
Kessel mit Überdruck-Feuerstelle.

Title (fr)
Chaudière avec foyer sous pression.

Publication
EP 0023000 A2 19810128 (EN)

Application
EP 80104044 A 19800712

Priority
• IT 8494280 A 19800617
• IT 8494879 A 19790720

Abstract (en)
The invention relates to a boiler (1) with pressurized firebox, particularly suitable for use in combination with a blue flame burner; the boiler (1) comprises a firebox area (11) which is surrounded by a tank (7) containing the water to be heated. The tank (7) is divided into two compartments (18,19): an inner one (18) surrounding the firebox area (11), and an outer one (19) arranged around the inner compartment (18) and in heat exchange relationship therewith. The inner compartment (18) may be intended, for instance, for supplying the radiators of a heating system, whilst the outer compartment (19) may be intended for supplying sanitary water. The boiler (1) further comprises a muffler (17) which may accommodate a superheater assembly for quick hot water production, even when starting from cold, such as where used as a water heater.

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F24H 9/18; **F24H 1/26**

IPC 8 full level
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CPC (source: EP)
F24D 3/082 (2013.01); **F24H 1/26** (2013.01); **F24H 9/0026** (2013.01)

Cited by
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