

Title (en)
GAS HEATER WITH CLOSED COMBUSTION CIRCUIT

Publication
EP 0037333 B1 19840620 (FR)

Application
EP 81400488 A 19810327

Priority
• FR 8006823 A 19800327
• FR 8023325 A 19801031

Abstract (en)
[origin: US4366778A] This boiler is enclosed in a sealed casing forming a fore-heath which surrounds it on all sides while providing thereabout a space into which the combustion air arrives. The combustion air is injected under pressure into a space which surrounds the boiler and an exchanger is divided into two parts in the vertical direction by a refractory floor in one embodiment, which enables it to function as an exchanger in the upper part and in the lower part, cold water is received where the exchanger functions as an exchanger and a condenser; the burner may have features to reduce the pressure drop of the combustion air flow and to permit ease of assembly and disassembly.

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F24H 9/02; **F24H 1/40**; **F24H 9/18**

IPC 8 full level
F24H 1/40 (2006.01); **F24H 9/02** (2006.01); **F24H 9/18** (2006.01)

CPC (source: EP US)
F24H 1/403 (2013.01 - EP US); **F24H 9/02** (2013.01 - EP US); **F24H 9/1836** (2013.01 - EP US); **F24H 2203/00** (2013.01 - EP US)

Citation (examination)
• FR 2411365 A1 19790706 - VAILLANT SARL [FR]
• GB 1324636 A 19730725 - WILSON & CO LTD HENRY

Cited by
EP2766685A4; GB2206189A; EP2948726A4; EP0385963A1; BE1002849A3; EP0759527A1; EP0532165A3; EP0350388A1; FR2634006A1; AU625175B2; WO2013055431A1; US10094619B2; EP2072938B1

Designated contracting state (EPC)
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