

Title (en)
HOT WATER HEATERS

Publication
EP 0469043 A4 19930324 (EN)

Application
EP 90906734 A 19900419

Priority
• AU 9000159 W 19900419
• AU 5541690 A 19900419
• AU PJ379089 A 19890419
• AU PJ789589 A 19891218

Abstract (en)
[origin: WO9012988A1] A hot water heater comprising a vessel (4), heating means (17, 31, 33, 110, 112) for heating water in the vessel, a control conduit for diverting cold water from the cold water inlet to the hot water outlet so as to reduce the temperature of the hot water delivered from the vessel but increase the volume. The heater includes control means for selectively energising the number of heating elements (110, 112) in accordance with the temperature of the water in the vessel. When the heating means comprises a gas burner (17) it is arranged to direct combustion gases towards one side of the vessel (4) so as to establish a convection current within the vessel. A novel flue arrangement is also disclosed.

IPC 1-7
F24H 1/00; **F24H 1/18**; **F24H 1/20**; **F24H 9/02**; **F24D 17/00**; **F23D 14/04**; **F23D 14/58**; **B65B 11/00**; **B65D 90/02**; **B65D 90/06**

IPC 8 full level
B65B 11/00 (2006.01); **B65D 90/02** (2006.01); **B65D 90/06** (2006.01); **F23D 14/04** (2006.01); **F23D 14/58** (2006.01); **F24D 17/00** (2006.01); **F24H 1/00** (2006.01); **F24H 1/18** (2006.01); **F24H 1/20** (2006.01); **F24H 9/02** (2006.01); **F24H 9/12** (2006.01)

CPC (source: EP)
F24D 17/00 (2013.01); **F24H 1/18** (2013.01); **F24H 1/185** (2013.01); **F24H 1/202** (2013.01); **F24H 9/133** (2022.01)

Citation (search report)
• AU 494217 B2 19771124
• See references of WO 9012988A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 9012988 A1 19901101; AU 5541690 A 19901116; AU 654107 B2 19941027; EP 0469043 A1 19920205; EP 0469043 A4 19930324; EP 0469043 B1 19960131

DOCDB simple family (application)
AU 9000159 W 19900419; AU 5541690 A 19900419; EP 90906734 A 19900419