

Title (en)
Water heaters

Title (de)
Wassererhitzer

Title (fr)
Réchauffeur d'eau

Publication
EP 0592222 B1 19970305 (EN)

Application
EP 93307992 A 19931007

Priority
• GB 9221161 A 19921008
• GB 9313996 A 19930707

Abstract (en)
[origin: EP0592222A1] An unvented water heater comprises a tank (10), a cold water inlet (14), a hot water outlet pipe (20) opening into the tank at a location (22) below the minimum water level in the tank, and means for directly or indirectly heating water in the tank. An air space (30) above the water level in the tank accommodates expansion of water in the tank as it is heated. A baffle (40, 140, 240) is positioned adjacent the opening (22) of the outlet pipe (20) to increase the distance from the opening to the free surface (32) of water in the tank. The baffle (40) may be fixed in position (Figures 1 and 2). Alternatively, the baffle (140, 240) may float on the surface of the water (Figures 3 and 4). The presence of the baffle reduces the loss of air from the air space (30) as water is drawn from the tank.

IPC 1-7
F24H 9/12; **F24H 1/18**

IPC 8 full level
F24H 1/18 (2006.01); **F24H 9/12** (2006.01)

CPC (source: EP)
F24H 1/188 (2013.01); **F24H 9/133** (2022.01); **F28D 20/0034** (2013.01); **F28D 2020/0095** (2013.01)

Cited by
GB2468253B; GB2454952A; GB2415487A; GB2415487B; WO2010097566A1; WO2009081102A3

Designated contracting state (EPC)
BE DE DK FR GB NL SE

DOCDB simple family (publication)
EP 0592222 A1 19940413; **EP 0592222 B1 19970305**; DE 69308453 D1 19970410

DOCDB simple family (application)
EP 93307992 A 19931007; DE 69308453 T 19931007