

Title (en)

Multi-layered storage tank with return flow temperature control

Title (de)

Schichtenspeicher mit Rücklauftemperaturregelung

Title (fr)

Réservoir à température non-uniforme avec régulation de la température de l'écoulement de retour

Publication

EP 1447626 B1 20110427 (DE)

Application

EP 03028712 A 20031212

Priority

DE 10304682 A 20030205

Abstract (en)

[origin: EP1447626A1] The hot water storage tank (6) has a cold water inlet (12), a hot water outlet (13) and a lower cold water outlet (4) with a circulating pump (7). The circuit also has a heat exchanger (9) to which a hot water pipe (5) in the upper area of the tank opens. The heat exchanger has a heating circuit (H) with a heater (10), pump (8) and in and return pipes (11,14). The return connection is controlled dependent on the storage tank temperature.

IPC 8 full level

F24D 19/10 (2006.01); **F24D 3/08** (2006.01); **F24D 17/00** (2006.01)

CPC (source: EP US)

F24D 19/1069 (2013.01 - EP US); **F24H 15/175** (2022.01 - EP US); **F24H 15/215** (2022.01 - EP US); **F24H 15/223** (2022.01 - EP US); **F24H 15/335** (2022.01 - EP US); **F24H 15/36** (2022.01 - EP US); **F24D 17/00** (2013.01 - EP)

Cited by

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