

Title (en)
WATER HEATER

Publication
EP 0346977 B1 19921111 (DE)

Application
EP 89201482 A 19890609

Priority
AT 153388 A 19880614

Abstract (en)
[origin: EP0346977A1] A water heater comprises a store (2) which can be heated via a heat exchanger (1), and a tapping point (7) fed directly from this store (2) and/or from the heat exchanger (1). In the start-up phase of the tapping operation, the feeding is provided by the store (2), and as soon as the intended temperature at the outlet (11) of the heat exchanger (1) is reached, the tapping line (8) is directly fed by the heat exchanger (1) in the course of flow. In order to reduce the storage volume necessary to bridge the start-up phase, the water throughput is adjustable to a minimum value by means of a throttle (13) during the start-up phase, and a regulator (17) which monitors the initial temperature of the heat exchanger (1) does not open until the intended temperature level has been reached in a bypass line (10) bypassing the store (2) which then connects this outlet (11) of the heat exchanger (1) directly to the tapping line (8).

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F24D 3/08; F24D 19/10

IPC 8 full level
F24D 3/08 (2006.01); **F24D 19/10** (2006.01)

CPC (source: EP US)
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F24H 15/31 (2022.01 - EP US); **F24H 15/36** (2022.01 - EP US)

Cited by
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EP 0346977 A1 19891220; EP 0346977 B1 19921111; AT 390504 B 19900525; AT A153388 A 19891015; AT E82378 T1 19921115;
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