

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).

IPC 1-7  
**F24D 3/08; F24D 19/10**

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

CPC (source: EP US)  
**F24D 3/08** (2013.01 - EP); **F24D 19/1066** (2013.01 - EP US); **F24H 15/219** (2022.01 - EP US); **F24H 15/242** (2022.01 - EP US); **F24H 15/31** (2022.01 - EP US); **F24H 15/36** (2022.01 - EP US)

Cited by  
GB2306631A; GB2306631B

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

DOCDB simple family (publication)  
**EP 0346977 A1 19891220; EP 0346977 B1 19921111**; AT 390504 B 19900525; AT A153388 A 19891015; AT E82378 T1 19921115; DE 3918733 A1 19891221; DE 58902658 D1 19921217; ES 2037394 T3 19930616; GR 3006756 T3 19930630

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**EP 89201482 A 19890609**; AT 153388 A 19880614; AT 89201482 T 19890609; DE 3918733 A 19890608; DE 58902658 T 19890609; ES 89201482 T 19890609; GR 920403161 T 19930108