

Title (en)

Device for controlling a hot water supply.

Title (de)

Gerät zum Kontrollieren eines Heisswasserbereiters.

Title (fr)

Appareil pour commander une installation pour fournir de l'eau chaude.

Publication

**EP 0226246 A1 19870624 (EN)**

Application

**EP 86202128 A 19861201**

Priority

NL 8503345 A 19851204

Abstract (en)

A device for controlling a hot water supply, which consists of a boiler (1) with a burner (3) for heating a heating medium, and a continuous-flow heat exchanger (9) which contains a service water pipe (13) for tap water. The continuous-flow heat exchanger being connected to the boiler (1) on the one hand via a supply pipe (5, 10) and on the other hand via a return pipe (7). The heating medium circuit having a circulation pump (8) as well as a regulating device for keeping the tap water at a predetermined temperature. The regulating device consists of a single temperature transmitter (16) which is connected to the tap pipe (13) near the point (15) where the latter leaves the continuous-flow heat exchanger. The temperature transmitter being connected to a control element (17) which detects the temperature drop per unit time and if a predetermined value is exceeded sets the burner and circulation pump in operation. The control element being also capable to register the relationship between the temperature change of the heating medium and that of the tap water in order to detect if tap water is drawn off or not.

IPC 1-7

**F24D 19/10**

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [A] EP 0104362 A1 19840404 - VAILLANT JOH GMBH & CO [DE]
- [A] DE 2434222 A1 19760129 - VAILLANT JOH KG

Cited by

EP1310746A1; EP2372260A3; GB2301423A; GB2306631A; GB2306631B; EP0568122A3; GB2368896A; GB2368896B; EP0807790A3; WO2021037311A1

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