

Title (en)  
ELECTRIC WATER HEATER

Title (de)  
ELEKTRISCHER WASSERERHITZER

Title (fr)  
CHAUFFE-EAU ÉLECTRIQUE

Publication  
**EP 3869118 A1 20210825 (EN)**

Application  
**EP 21158608 A 20210223**

Priority  
SK 212020 A 20200224

Abstract (en)  
1. An electric water heater, in particular an electric water heater with a variable heating output for use in a closed - loop water heating system, comprising a water tank with a cold water inlet (10) and a hot water outlet (20), a heating block (1) for heating the water in the water tank, a safety temperature limiter (3) for switching electrical contacts of the electric water heater and thermally conductive means for conducting heat from the heating block (1) to the safety temperature limiter (3), characterized in that the heating block (1) comprises of a first heating element (2) and at least one further heating element (2'), the safety temperature limiter (3) is surrounded in the tank by heating elements (2, 2'), all the heating elements (2, 2') and the safety temperature limiter (3) are in touch contact with the thermally conductive means.

IPC 8 full level  
**F24H 9/20** (2006.01); **F24H 1/12** (2006.01); **F24H 1/20** (2006.01); **F24H 9/18** (2006.01)

CPC (source: EP US)  
**F24H 1/124** (2013.01 - EP); **F24H 1/202** (2013.01 - EP); **F24H 9/1818** (2013.01 - EP); **F24H 9/2021** (2013.01 - EP US);  
**F24H 15/132** (2022.01 - EP US); **F24H 15/223** (2022.01 - EP US); **F24H 15/37** (2022.01 - EP US); **F24H 15/12** (2022.01 - EP US);  
**F24H 15/174** (2022.01 - EP US)

Citation (applicant)  
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• EP 3037741 B1 20180314 - VAILLANT GMBH [DE]  
• CN 101014219 A 20070808 - CHANGSHU XINLI ELECTRIC DEVICE [CN]

Citation (search report)  
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• [Y] FR 2525294 A1 19831021 - RHEEM RADI SPA [IT]  
• [YD] EP 3037741 B1 20180314 - VAILLANT GMBH [DE]  
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• [A] DE 1454731 A1 19690904 - VAILLANT JOH KG  
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Designated contracting state (EPC)  
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Designated extension state (EPC)  
BA ME

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