

Title (en)  
AN IMPROVED WATER HEATER

Title (de)  
VERBESSERTER WASSERERHITZER

Title (fr)  
CHAUFFE-EAU PERFECTIONNÉ

Publication  
**EP 2338006 A2 20110629 (EN)**

Application  
**EP 09785095 A 20090914**

Priority  
• GB 2009002178 W 20090914  
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• GB 0817042 A 20080917

Abstract (en)  
[origin: WO2010031994A2] A water heater for supplying hot water, to a domestic or office environment, the heater comprising a storage vessel (10) to retain water, a plurality of heating elements (14-16) within the storage vessel said elements (14-16) being spatially separated from each other in a vertical direction; a plurality of temperature sensors (17-19) within the storage vessel (10) measuring the water temperature a heating element (14-16) being associated with at least one sensor (17-19); a control unit operably linked to each element and each sensor, the control unit comprising data receiving means to receive data from the sensors, a storage area to store system data, processing means to compare the sensor data with the system data, a decision making means to determine activation or de-activation of the elements (17-19).

IPC 8 full level  
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CPC (source: EP US)  
**F24H 1/202** (2013.01 - EP); **F24H 9/2021** (2013.01 - EP US); **F24H 15/128** (2022.01 - EP US); **F24H 15/14** (2022.01 - EP US); **F24H 15/144** (2022.01 - EP US); **F24H 15/156** (2022.01 - EP US); **F24H 15/225** (2022.01 - EP US); **F24H 15/238** (2022.01 - EP US); **F24H 15/246** (2022.01 - EP US); **F24H 15/281** (2022.01 - EP US); **F24H 15/37** (2022.01 - EP US); **F24H 15/395** (2022.01 - EP US); **F24H 15/421** (2022.01 - EP US); **F24H 15/45** (2022.01 - EP US); **F24D 2200/08** (2013.01 - EP); **F24D 2220/042** (2013.01 - EP); **F24D 2220/08** (2013.01 - EP); **F24D 2240/10** (2013.01 - EP); **F24D 2240/26** (2013.01 - EP)

Citation (search report)  
See references of WO 2010031994A2

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