

Title (en)

AUTOMATIC CONTROL METHOD AND APPARATUS FOR WATER HEATER, AND WATER HEATER AND ELECTRONIC DEVICE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR AUTOMATISCHEN STEUERUNG EINES WASSERERHITZERS SOWIE WASSERERHITZER UND ELEKTRONISCHES GERÄT

Title (fr)

PROCÉDÉ ET APPAREIL DE COMMANDE AUTOMATIQUE POUR CHAUFFE-EAU, CHAUFFE-EAU ET DISPOSITIF ÉLECTRONIQUE

Publication

EP 3978824 A4 20220817 (EN)

Application

EP 19945913 A 20191231

Priority

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- CN 2019130501 W 20191231

Abstract (en)

[origin: EP3978824A1] Provided in the embodiments of the present application are an automatic control method and apparatus for a water heater, and a water heater and an electronic device. In the embodiments of the present application, corresponding water heater set temperatures for different time periods during a future water usage process are predicted according to water usage volumes corresponding to different time periods during a historical water usage process and to water usage volumes that a water heater can supply at different set temperatures, and thus, the water heater is controlled according to the corresponding water heater set temperatures, obtained through prediction, for the different time periods during the future water usage process. It can be seen that the embodiments of the present application realizes an automatic control method for a water heater that can be adaptive to a water usage behavior of a user, and the user does not need to manually reserve the temperature of the water heater, thereby realizing the intelligent control of the water heater.

IPC 8 full level

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CPC (source: CN EP)

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Citation (search report)

- [XAI] CN 106839468 A 20170613 - GIZWITS IOT TECH CO LTD
- [A] US 2014277817 A1 20140918 - STEVENS MARK B [US], et al
- [A] CN 106225246 A 20161214 - HEFEI MIDEA HEATING & VENTILATING EQUIPMENT CO LTD
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- See also references of WO 2021051715A1

Designated contracting state (EPC)

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BA ME

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