

Title (en)

METHOD FOR CONTROLLING A DOMESTIC HOT WATER SYSTEM AND SYSTEM

Title (de)

VERFAHREN ZUR STEUERUNG EINES BRAUCHWARMWASSERSYSTEMS UND SYSTEM

Title (fr)

PROCÉDÉ DE COMMANDE D'UN SYSTÈME D'EAU CHAUDE DOMESTIQUE ET SYSTÈME

Publication

EP 4083521 A1 20221102 (EN)

Application

EP 21171214 A 20210429

Priority

EP 21171214 A 20210429

Abstract (en)

The present invention provides a method for controlling a domestic hot water system (1) comprising a pipeline network with a fresh water supply (6) and a flow, a water heater (2) for providing heated water, at least one water outlet (5) for providing heated water to a user, a control device (10) for controlling the system, one or more temperature sensors (4), and a user terminal (T) for providing information on the system to a user and for receiving inputs from the user to control the system. If at least one of currently set operation parameters of the water heater (2) or a measured temperature fulfils a preset condition, an optimization process is started. The process comprises a step of storing the currently set operation parameters as initial parameters. In another step a new set of parameters for reducing the temperature of the heated water by a preset value is determined. The water heater (2) is operated with the new set of parameters for a specified period of time. After the period of time, the user is prompted to provide feedback on the temperature of the heated water. Finally, the water heater (2) is controlled in dependence on the user feedback

IPC 8 full level

F24D 19/10 (2006.01); **F24D 17/00** (2022.01); **F24D 17/02** (2006.01)

CPC (source: EP)

F24D 19/1051 (2013.01); **F24D 17/0031** (2013.01); **F24D 17/02** (2013.01)

Citation (applicant)

- US 2017167736 A1 20170615 - HEIL DAVID [US], et al
- DE 102019001743 A1 20200917 - STIEBEL ELTRON GMBH & CO KG [DE]

Citation (search report)

- [A] WO 2016193928 A1 20161208 - MOBILE TELEPHONE NETWORKS (PROPRIETARY) LTD [ZA]
- [A] US 2014203093 A1 20140724 - YOUNG GREGORY [US], et al
- [A] EP 3591309 A1 20200108 - GREE ELECTRIC APPLIANCES WUHAN CO LTD [CN], et al
- [A] WO 2020041700 A1 20200227 - PREXCEL SOLUTIONS INC [US]
- [A] EP 2597380 A2 20130529 - BSH BOSCH SIEMENS HAUSGERAETE [DE]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4083521 A1 20221102

DOCDB simple family (application)

EP 21171214 A 20210429