

Title (en)

WATER TREATMENT SYSTEM AND METHOD FOR CONTROLLING A WATER TEMPERATURE OF SUCH A SYSTEM

Title (de)

WASSERBEHANDLUNGSSYSTEM UND VERFAHREN ZUR STEUERUNG EINER WASSERTEMPERATUR EINES SOLCHEN SYSTEMS

Title (fr)

SYSTÈME DE TRAITEMENT DE L'EAU ET PROCÉDÉ POUR RÉGULER UNE TEMPÉRATURE D'EAU D'UN TELS SYSTÈME

Publication

**EP 3385460 A1 20181010 (EN)**

Application

**EP 18159367 A 20180301**

Priority

DE 102017105050 A 20170309

Abstract (en)

A water treatment system comprising a cold water feed line (106) and a hot water feed line (104) coupled to a mixing valve (108), wherein the mixing valve (108) comprises an output which is coupled to a treatment outlet (114) via a mixed water feed line (124, 126). An electronically operated mixed water valve (118) is included in the mixed water feed line (124, 126). In addition to the mixed water feed line (126) a cold water bypass line (115) is coupling the cold water feed line (106) to the treatment outlet (114) via an electronically operated cold water valve (116) included in the cold water bypass line (115). A controller (102) is coupled to the mixed water valve (118) and the cold water valve (116) and is configured to operate the mixed water valve (118) and/or the cold water valve (116) to change the water temperature at the treatment outlet (114) according to a water treatment procedure. One advantage of the invention is that a user is enabled to easily set a relaxing warm temperature with the mixing valve, while being able to activate an automated water treatment procedure using the electronically operated valves.

IPC 8 full level

**E03C 1/04** (2006.01); **F16K 11/044** (2006.01)

CPC (source: EP)

**A61H 33/0095** (2013.01); **E03C 1/0408** (2013.01); **A61H 9/0021** (2013.01); **E03C 2201/30** (2013.01)

Citation (search report)

- [XAI] DE 19501716 A1 19960725 - GROHE KG HANS [DE]
- [XAI] DE 2538444 A1 19760930 - GROHE KG HANS
- [A] DE 102007010792 A1 20080904 - HANSA METALLWERKE AG [DE]
- [A] EP 2146011 A2 20100120 - WESTARP BERNT [DE]

Designated contracting state (EPC)

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