

Title (en)

Method for heating water according to the circulation principle and water heating system

Title (de)

Verfahren zur Erwärmung von Wasser nach dem Durchlaufprinzip und Wassererwärmungssystem

Title (fr)

Procédé de chauffage d'eau en continu et système de chauffage d'eau

Publication

EP 2372260 A3 20140122 (DE)

Application

EP 11159320 A 20110323

Priority

DE 102010013140 A 20100327

Abstract (en)

[origin: EP2372260A2] The method involves regulating a drain off temperature (T-w) to a drain off- reference temperature (T-w0) by a change of a modulated or switchable volume flow (V-h) of the heating fluid with a deviation of the drain-off temperature from the drain off-reference temperature. The heating fluid temperature is controlled to a heating fluid-reference temperature by changing a modulated or switchable heat output (Q) of the heat generator with a deviation of heat fluid temperature from a preset heat fluid-reference temperature. An independent claim is also included for a water heating system with a heat source.

IPC 8 full level

F24D 19/10 (2006.01)

CPC (source: EP US)

F24D 19/1009 (2013.01 - EP US); **F24D 19/1069** (2013.01 - EP US); **F24H 15/174** (2022.01 - EP US); **F24H 15/219** (2022.01 - EP US); **F24H 15/238** (2022.01 - EP US); **F24H 15/355** (2022.01 - EP US)

Citation (search report)

- [X] EP 0886110 A2 19981223 - BOSCH GMBH ROBERT [DE]
- [X] DE 19725952 A1 19990128 - BOSCH GMBH ROBERT [DE]
- [X] EP 0226246 A1 19870624 - NEFIT NV [NL]
- [X] EP 0556736 A1 19930825 - VAILLANT JOH GMBH & CO [DE]
- [X] DE 1988343 U 19680627 - JUNKERS & CO [DE]

Cited by

US10612795B2; CN115104922A; US11828474B2; WO2024112817A1

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

DOCDB simple family (publication)

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