

Title (en)

HOT WATER CIRCULATION SYSTEM AND METHOD FOR OPERATING THE SAME

Title (de)

WARMWASSER-ZIRKULATIONSSYSTEM UND VERFAHREN ZU DESSEN BETRIEB

Title (fr)

SYSTÈME DE CIRCULATION D'EAU CHAUDE ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication

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Application

**EP 21892441 A 20211116**

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- SE 2021051147 W 20211116

Abstract (en)

[origin: WO2022103323A1] Hot water circulation system (200) for a building, said system comprising a hot tap water circulation circuit (210); a circulation pump (211); water taps (220-224); a cold water inlet (240) to said circulation circuit; a heat exchanger (230), arranged to heat the water using an externally provided heat medium; a first conduit (213), leading a first share of water from said pump to said taps via said heat exchanger; a temperature sensor (251), arranged downstream of said heat exchanger; and a control device (250), arranged to control a flow of said heat medium. The invention is characterised in that the circulation circuit comprises a second conduit (214), leading a second share of water from said pump to said taps in parallel to said first conduit, in that the first share is at least smaller than said second share as long as no cold water is provided to the circulation circuit, and in that the circulation system further comprises a heat pump (260), heating the water. The invention also relates to a method.

IPC 8 full level

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