

Title (en)

HEAT RECOVERY DEVICE AND METHOD THEREFOR

Title (de)

VORRICHTUNG UND VERFAHREN ZUR WÄRMERÜCKGEWINNUNG

Title (fr)

DISPOSITIF DE RÉCUPÉRATION DE LA CHALEUR ET SON PROCÉDÉ

Publication

EP 4335983 A1 20240313 (EN)

Application

EP 23194294 A 20230830

Priority

NL 2032909 A 20220831

Abstract (en)

A device for recovering heat from shower water. The device comprises:- a pump which is configured to pump shower water from a drain of a shower;- a heat exchanger which is operatively connected to the pump for the purpose of recovering heat from the shower water supplied by the pump; and- a buffer vessel arranged between the pump and heat exchanger for the purpose of supplying the shower water to the heat exchanger in controlled manner, wherein the buffer vessel comprises:o a first wall and a side wall, wherein the first wall extends in a first plane, wherein the first wall and side wall define a buffer space which is configured to store shower water;o an infeed opening for receiving shower water in the buffer space, wherein the infeed opening is operatively connected to the pump;o an outfeed opening provided in the first wall for the purpose of discharging shower water to the heat exchanger in a first direction;o a restriction element arranged in front of the outfeed opening for the purpose of restrictively allowing the shower water to pass from the buffer space to the outfeed opening.

IPC 8 full level

E03C 1/04 (2006.01)

CPC (source: EP)

E03C 1/0408 (2013.01); **E03C 1/04** (2013.01); **E03C 2001/005** (2013.01)

Citation (search report)

- [IA] US 2020208848 A1 20200702 - MUXWORTHY ANTHONY TODD [GB], et al
- [IA] EP 1975538 A2 20081001 - EBERLE GIORGIO [IT]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 23194294 A 20230830; NL 2032909 A 20220831