

Title (en)

ARRANGEMENT FOR HEAT EXCHANGERS OF A DISTRICT-HEATING SYSTEM OF A BUILDING AND CORRESPONDING METHOD

Title (de)

ANORDNUNG FÜR WÄRMETAUSCHER EINES FERNWÄRMESYSTEMS EINES GEBÄUDES UND ENTSPRECHENDES VERFAHREN

Title (fr)

AGENCEMENT POUR ÉCHANGEURS DE CHALEUR D'UN SYSTÈME DE CHAUFFAGE URBAIN D'UN BÂTIMENT ET PROCÉDÉ CORRESPONDANT

Publication

**EP 4242528 C0 20240306 (EN)**

Application

**EP 23161145 A 20230310**

Priority

FI 20225218 A 20220311

Abstract (en)

[origin: EP4242528A1] The invention relates to an arrangement for heat exchangers of a district-heating system of a building, wherein the arrangement includes• a domestic-water heat exchanger (10),• a domestic water circuit (15),• a separate circuit-water heat exchanger (20),• a control valve (22) of the circuit-water heat exchanger (20) for controlling the flow rate of the district-heating water conducted to the circuit-water heat exchanger (20).According to the invention• the circuit-water heat exchanger (20) is configured to heat the domestic water to a setpoint temperature 1 - 5 °C, advantageously 2 - 4 °C, higher than the domestic-water heat exchanger (10), and• the design inlet temperature of district-heating water for the circuit-water heat exchanger (20) is 2 - 10 °C, advantageously 4 - 6 °C, lower than the design inlet temperature of district-heating water for the domestic-water heat exchanger (10).The invention also relates to a corresponding method.

IPC 8 full level

**F24D 10/00** (2022.01); **F24D 17/00** (2022.01); **F24D 19/10** (2006.01); **F24H 15/14** (2022.01); **F24H 15/156** (2022.01); **F24H 15/174** (2022.01); **F24H 15/215** (2022.01); **F24H 15/219** (2022.01); **F24H 15/305** (2022.01); **F24H 15/335** (2022.01)

CPC (source: EP FI)

**F24D 3/08** (2013.01 - FI); **F24D 10/003** (2013.01 - EP FI); **F24D 17/0073** (2013.01 - EP); **F24D 17/0078** (2013.01 - EP FI); **F24D 19/1066** (2013.01 - EP); **F24D 19/1069** (2013.01 - FI); **F24H 15/14** (2022.01 - EP); **F24H 15/156** (2022.01 - EP); **F24H 15/174** (2022.01 - EP); **F24H 15/215** (2022.01 - EP); **F24H 15/219** (2022.01 - EP); **F24H 15/305** (2022.01 - EP); **F24H 15/335** (2022.01 - EP); **F24D 2200/13** (2013.01 - EP)

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

Participating member state (EPC – UP)

AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)

**EP 4242528 A1 20230913**; **EP 4242528 B1 20240306**; **EP 4242528 C0 20240306**; FI 130379 B 20230804; FI 20225218 A1 20230804

DOCDB simple family (application)

**EP 23161145 A 20230310**; FI 20225218 A 20220311