

Title (en)
A HEATING AND/OR COOLING SYSTEM FOR COLLECTIVE RESIDENTIAL HOUSING UNITS, A CONTROL DEVICE THEREFOR AND A METHOD FOR THE CONTROL THEREOF

Title (de)
HEIZ- UND/ODER KÜHLSYSTEM FÜR KOLLEKTIVE WOHNGEHÄUSEEINHEITEN, STEUERUNGSVORRICHTUNG DAFÜR UND VERFAHREN ZUR STEUERUNG DAVON

Title (fr)
SYSTÈME DE CHAUFFAGE ET/OU DE REFOIDISSEMENT POUR UNITÉS DE LOGEMENT COLLECTIF RÉSIDENTIEL, DISPOSITIF DE COMMANDE ASSOCIÉ ET PROCÉDÉ DE COMMANDE ASSOCIÉ

Publication
EP 4350234 A1 20240410 (EN)

Application
EP 23201008 A 20230929

Priority
BE 202205792 A 20221003

Abstract (en)
A heating and cooling system for collective residential housing units. The system includes: a collective heat pump, a plurality of residential housing units, one closed circuit for circulating a liquid between the collective heat pump and the residential housing units, and a control device for controlling the collective heat pump. The control device controls the temperature of the collective water pump and/or the maximum flow rate from the closed circuit to each of the housing units and/or the flow rate over a bypass on the closed circuit in function of the current needs of the residential housing units.

IPC 8 full level
F24F 11/30 (2018.01); **F24D 10/00** (2022.01); **F24D 11/02** (2006.01); **F24D 19/10** (2006.01); **F24F 11/46** (2018.01); **F24F 11/84** (2018.01); **F24H 15/156** (2022.01); **F24H 15/174** (2022.01); **F24H 15/212** (2022.01)

CPC (source: EP)
F24D 10/00 (2013.01); **F24D 19/1081** (2013.01); **F24F 11/30** (2017.12); **F24F 11/46** (2017.12); **F24F 11/84** (2017.12); **F24H 15/254** (2022.01); **F24H 15/258** (2022.01); **F24H 15/262** (2022.01); **F24H 15/281** (2022.01); **F24H 15/31** (2022.01); **F24H 15/375** (2022.01); **F24H 15/429** (2022.01); **F24H 15/443** (2022.01); **F24D 2200/04** (2013.01); **F24D 2200/11** (2013.01); **F24D 2200/12** (2013.01); **F24D 2200/13** (2013.01); **F24F 2110/10** (2017.12)

Citation (applicant)

- EP 3165831 A1 20170510 - E ON SVERIGE AB [SE]
- EP 3184914 A1 20170628 - E ON SVERIGE AB [SE]
- EP 3372903 A1 20180912 - E ON SVERIGE AB [SE]
- US 10641510 B2 20200505 - ADIRIM DANIEL [CA]

Citation (search report)

- [X] US 10641510 B2 20200505 - ADIRIM DANIEL [CA]
- [X] EP 3933281 A1 20220105 - E ON SVERIGE AB [SE]
- [X] US 2021270491 A1 20210902 - ROSÉN PER [SE], et al
- [A] GB 2602459 A 20220706 - IDZV LTD [GB]
- [A] US 10184671 B2 20190122 - SKOVMOSE KALLESØE CARSTEN [DK], et al

Designated contracting state (EPC)
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Designated extension state (EPC)
BA

Designated validation state (EPC)
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DOCDB simple family (publication)
EP 4350234 A1 20240410; BE 1030935 A1 20240426; BE 1030935 B1 20240429

DOCDB simple family (application)
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