(12)

(11) **EP 4 382 829 A8**

CORRECTED EUROPEAN PATENT APPLICATION

published in accordance with Art. 153(4) EPC

(15) Correction information:

Corrected version no 1 (W1 A1) Corrections, see Bibliography INID code(s) 72

(48) Corrigendum issued on: **24.07.2024 Bulletin 2024/30**

(43) Date of publication: 12.06.2024 Bulletin 2024/24

(21) Application number: 22853035.8

(22) Date of filing: 02.08.2022

(51) International Patent Classification (IPC):

F25B 5/02^(2006.01)
F25B 6/02^(2006.01)
F24F 11/62^(2018.01)

F25B 6/02; F25B 13/00; F25B 49/02

F24F 11/86 (2018.01)

(52) Cooperative Patent Classification (CPC): F24F 11/62; F24F 11/86; F25B 1/00; F25B 5/02;

(86) International application number: **PCT/JP2022/029573**

(87) International publication number:WO 2023/013616 (09.02.2023 Gazette 2023/06)

(84) Designated Contracting States:

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 States:

BA ME

Designated Validation States:

KH MA MD TN

(30) Priority: 05.08.2021 JP 2021129044

(71) Applicant: Daikin Industries, Ltd.
Osaka-shi, Osaka 530-0001 (JP)

(72) Inventors:

MAEDA, Takashi
 Osaka-shi, Osaka 530-0001 (JP)

 KAJI, Ryuhei Osaka-shi, Osaka 530-0001 (JP)

HIROKAWA, Tomoki
 Osaka-shi, Osaka 530-0001 (JP)

(74) Representative: Hoffmann Eitle
Patent- und Rechtsanwälte PartmbB
Arabellastraße 30
81925 München (DE)

(54) REFRIGERATION CYCLE DEVICE

(57)When a flow rate of a refrigerant is to be adjusted based on a temperature of the refrigerant flowing through refrigerant flow paths, there is an issue in that a temperature sensor is required for each of the refrigerant flow paths. A refrigeration cycle device includes a heat exchanger main body (331), a plurality of flow rate adjustment units (332a to 332i), and a control unit. The heat exchanger main body (331) has a plurality of refrigerant flow paths (333a to 333i) including a first refrigerant flow path (333) and a second refrigerant flow path (333). The flow rate adjustment units (332) adjust flow rates of a refrigerant flowing through the refrigerant flow paths (333). The control unit adjusts the flow rates of the refrigerant flowing through the refrigerant flow paths (333) by controlling opening degrees of the flow rate adjustment units (332). The control unit controls the opening degrees of the flow rate adjustment units (332) based on a first value or a second value. The first value is a value representing overall efficiency of the refrigeration cycle. The second value is a value representing overall efficiency of the heat exchanger main body (331).

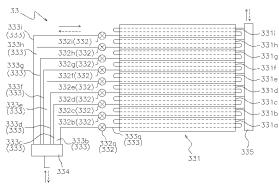


FIG. 2

EP 4 382 829 A8