

Title (en)

OUTDOOR UNIT FOR REFRIGERATION DEVICE AND REFRIGERATION DEVICE COMPRISING SAME

Title (de)

AUSSENEINHEIT FÜR EINE KÜHLVORRICHTUNG UND KÜHLVORRICHTUNG DAMIT

Title (fr)

UNITÉ EXTÉRIEURE POUR DISPOSITIF DE RÉFRIGÉRATION ET DISPOSITIF DE RÉFRIGÉRATION COMPRENANT CELLE-CI

Publication

EP 4184080 A1 20230524 (EN)

Application

EP 20945538 A 20200715

Priority

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Abstract (en)

An outdoor unit (101) for a refrigeration apparatus having a refrigeration mode and a defrosting mode includes a first refrigeration cycle device (103) configured to circulate a first refrigerant between the first refrigeration cycle device (103) and an indoor unit (102), a second refrigeration cycle device (104) configured to circulate a second refrigerant, and a cascade heat exchanger (11) configured to exchange heat between the first refrigerant and the second refrigerant. The first refrigeration cycle device (103) has a first compressor (1), a second heat exchanger (2), and a four-way valve (7) configured to switch a flow path direction of the first refrigerant between the refrigeration mode and the defrosting mode. The second refrigeration cycle device (104) has a second compressor (9), a third expansion valve (5), and a third heat exchanger (6). The second heat exchanger (2) has an arrangement configuration to absorb exhaust heat of the third heat exchanger (6).

IPC 8 full level

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CPC (source: EP)

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