

Title (en)
REFRIGERATION CYCLE DEVICE

Title (de)
KÄLTEKREISLAUFVORRICHTUNG

Title (fr)
DISPOSITIF À CYCLE DE RÉFRIGÉRATION

Publication
EP 4141348 A1 20230301 (EN)

Application
EP 20932319 A 20200420

Priority
JP 2020017058 W 20200420

Abstract (en)
A refrigeration cycle apparatus (100) includes a refrigerant circuit (RC) and refrigerant. The refrigerant circuit (RC) includes a compressor (1), a condenser (3), a pressure reducing valve (4), and an evaporator (5). The refrigerant is a zeotropic mixed refrigerant. At least one of the condenser (3) and the evaporator (5) has a first heat exchange unit (C1) located windward and a second heat exchange unit (C2) located leeward in a first direction (D1) in which air flows. Each of the first heat exchange unit (C1) and the second heat exchange unit (C2) has an inflow passage (IF) and an outflow passage (OF) for the refrigerant that are located in a plurality of stages arranged in the second direction (D2) crossing the first direction (D1). The refrigerant flows out from the outflow passage (OF) of the second heat exchange unit (C2) into the inflow passage (IF) of the first heat exchange unit (C1). The outflow passage (IF) of the second heat exchange unit (C2) is located in the same stage as the outflow passage (OF) of the first heat exchange unit (C1) in the second direction (D2).

IPC 8 full level
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