

Title (en)
REFRIGERANT CYCLE SYSTEM

Title (de)
KÄLTEKREISLAUFSYSTEM

Title (fr)
SYSTÈME DE CYCLE DE RÉFRIGÉRANT

Publication
EP 3943842 A4 20220420 (EN)

Application
EP 20774020 A 20200312

Priority
• JP 2019051178 A 20190319
• JP 2020010923 W 20200312

Abstract (en)
[origin: EP3943842A1] The degree of freedom when a refrigerant cycle system is constructed in a building or the like is increased. A refrigerant cycle system (1) according to the present disclosure includes a refrigerant cycle, a first power feed unit (30a), a second power feed unit (30b), a first transmission line (41), and a second transmission line (42). The power feed unit feeds auxiliary power to a utilization unit of which a power source has been interrupted. The first transmission line (41) connects a heat source unit (10) and the first power feed unit (30a) to each other. The second transmission line (42) connects the first power feed unit (30a) and the second power feed unit (30b) to each other. The second power feed unit (30b) is connected to the heat source unit (10) via the first power feed unit (30a).

IPC 8 full level
F25B 49/02 (2006.01); **F24F 11/88** (2018.01)

CPC (source: EP US)
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Citation (search report)
• [A] WO 2018055770 A1 20180329 - TOSHIBA CARRIER CORP [JP]
• [A] KR 20100092192 A 20100820 - LG ELECTRONICS INC [KR]
• [A] KR 20060059619 A 20060602 - LG ELECTRONICS INC [KR]
• [A] EP 3382294 A1 20181003 - TOSHIBA CARRIER CORP [JP]
• [A] JP 2005121333 A 20050512 - HITACHI LTD
• See also references of WO 2020189527A1

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 MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3943842 A1 20220126; EP 3943842 A4 20220420; EP 3943842 B1 20231018; AU 2020240873 A1 20211111; AU 2020240873 B2 20230406; CN 113574335 A 20211029; CN 113574335 B 20230707; ES 2967040 T3 20240425; JP 2020153551 A 20200924; JP 7008658 B2 20220125; US 2022163240 A1 20220526; WO 2020189527 A1 20200924

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EP 20774020 A 20200312; AU 2020240873 A 20200312; CN 202080021876 A 20200312; ES 20774020 T 20200312; JP 2019051178 A 20190319; JP 2020010923 W 20200312; US 202017440389 A 20200312