

Title (en)  
OUTDOOR UNIT AND REFRIGERATION CYCLE DEVICE

Title (de)  
AUSSENEINHEIT UND KÜHLZYKLUSVORRICHTUNG

Title (fr)  
UNITÉ EXTÉRIEURE ET DISPOSITIF DE CYCLE RÉFRIGÉRANT

Publication  
**EP 4030117 A4 20220907 (EN)**

Application  
**EP 19944984 A 20190909**

Priority  
JP 2019035372 W 20190909

Abstract (en)  
[origin: EP4030117A1] An outdoor unit (2) includes a first flow path (F1), a second flow path (F2), a third flow path (F3), and an on-off valve (78). The first flow path (F1), which is a flow path from a refrigerant inlet port (PI2) to a refrigerant outlet port (PO2), is configured to form, together with a load device (3), a circulation flow path through which refrigerant circulates. A compressor (10), a condenser (20), and a second expansion device (40) are disposed on the first flow path (F1). A second flow path (F2) is configured to branch from the first flow path (F1), and to return, to the compressor (10), the refrigerant that has passed through the condenser (20). A third expansion device (71) and a receiver (73) are disposed on the second flow path (F2) in order from a branch point where the second flow path (F2) is branched from the first flow path (F1). A third flow path (F3) is configured to connect a portion of the first flow path (F1) between the second expansion device (40) and the refrigerant outlet port (PO2), to a refrigerant inlet of the receiver (73). The on-off valve (78) is disposed on the third flow path (F3).

IPC 8 full level  
**F25B 1/00** (2006.01); **F25B 40/00** (2006.01); **F25B 41/30** (2021.01); **F25B 41/39** (2021.01); **F25B 49/02** (2006.01)

CPC (source: EP)  
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Citation (search report)

- [XA] US 2016245540 A1 20160825 - KOGE HIROFUMI [JP], et al
- [A] DE 112014006218 T5 20161103 - DENSO CORP [JP]
- See also references of WO 2021048900A1

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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)  
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DOCDB simple family (publication)  
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