

Title (en)
REFRIGERATION CYCLE APPARATUS

Title (de)
KÄLTEKREISLAUFVORRICHTUNG

Title (fr)
APPAREIL À CYCLE FRIGORIFIQUE

Publication
EP 3951284 A4 20220406 (EN)

Application
EP 19923242 A 20190405

Priority
JP 2019015142 W 20190405

Abstract (en)
[origin: EP3951284A1] In a refrigeration cycle apparatus (100) according to the present disclosure, the circulation direction of refrigerant is switched between a first circulation direction and a second circulation direction opposite to the first circulation direction. The refrigeration cycle apparatus (100) includes a compressor (1), a first heat exchanger (4), a second heat exchanger (8), a third heat exchanger (6), a fourth heat exchanger (7), a first expansion valve (5A), and a second expansion valve (5B). The first circulation direction is a circulation direction in order of the compressor (1), the first heat exchanger (4), the first expansion valve (5A), the third heat exchanger (6), the fourth heat exchanger (7), the second expansion valve (5B), and the second heat exchanger (8). When a circulation direction of the refrigerant is the first circulation direction, the refrigerant from the third heat exchanger (6) exchanges heat with the refrigerant from the second heat exchanger (8) in the fourth heat exchanger (7). When a circulation direction of the refrigerant is the second circulation direction, the refrigerant from the fourth heat exchanger (7) exchanges heat with the refrigerant from the first heat exchanger (4) in the third heat exchanger (6).

IPC 8 full level
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Citation (search report)
• [XAI] US 2009282861 A1 20091119 - SETOGUCHI TAKAYUKI [JP], et al
• [A] EP 1647783 A2 20060419 - MITSUBISHI ELECTRIC CORP [JP]
• [A] EP 1215449 A1 20020619 - SANYO ELECTRIC CO [JP]
• [A] WO 2009096442 A1 20090806 - CALSONIC KANSEI CORP [JP], et al
• See also references of WO 2020202553A1

Designated contracting state (EPC)
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Designated extension state (EPC)
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DOCDB simple family (application)
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