

Title (en)
AIR-CONDITIONING APPARATUS

Title (de)
KLIMAANLAGE

Title (fr)
APPAREIL DE CLIMATISATION

Publication
EP 2278237 A4 20150311 (EN)

Application
EP 08874120 A 20081111

Priority
• JP 2008070452 W 20081111
• JP 2008118227 A 20080430

Abstract (en)
[origin: EP2278237A1] A heat source side refrigerant circuit A to which a compressor 11, an outdoor heat exchanger 13, a refrigerant flow amount control device 22 and an intermediate heat exchanger 21 are connected in sequence, a use side refrigerant circuit B having a pump 23 that is connected with one end of the use side refrigerant circuit B that performs heat exchange with the heat source side refrigerant circuit A of the intermediate heat exchanger 21 and a plurality of indoor heat exchangers 31n whose one end is connected with the pump 23 and other end with the other end of the use side refrigerant circuit B of the intermediate heat exchanger 21 are provided. The compressor 11 and the outdoor heat exchanger 13 are provided in an outdoor unit 10. The refrigerant flow amount control device 22, the intermediate heat exchanger 21, and the pump 23 are provided at a relay portion 20. An indoor heat exchanger 31n is provided in an indoor unit 30n. In the use side refrigerant circuit B, at least one of water or an antifreezing fluid circulates as a use side refrigerant.

IPC 8 full level
F25B 1/00 (2006.01)

CPC (source: EP)
F25B 13/00 (2013.01); **F25B 25/005** (2013.01); **F25B 2313/006** (2013.01); **F25B 2313/02741** (2013.01); **F25B 2600/2513** (2013.01)

Citation (search report)
• [IY] JP 2000002474 A 20000107 - MITSUBISHI ELECTRIC CORP
• [Y] JP H05280819 A 19931029
• [Y] JP 2005331136 A 20051202 - MITSUBISHI HEAVY IND LTD
• [X] JP H01247966 A 19891003 - SANYO ELECTRIC CO
• [I] JP H05306849 A 19931119 - MATSUSHITA REFRIGERATION
• See references of WO 2009133643A1

Cited by
CN108592442A; CN113661364A; EP3974737A4; WO2013182320A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

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