

Title (en)
HEAT PUMP

Title (de)
WÄRMEPUMPE

Title (fr)
POMPE À CHALEUR

Publication
EP 2770276 A4 20150722 (EN)

Application
EP 12836971 A 20120925

Priority
• JP 2011218154 A 20110930
• JP 2012006102 W 20120925

Abstract (en)
[origin: EP2770276A1] The present invention is intended to prevent a reduction in efficiency of a heat pump even if an auxiliary heat exchanger is used to control heat balance of a refrigerant circuit. A refrigerant circuit (10) is provided with an auxiliary heat exchanger (1) which exchanges heat between the refrigerant in the refrigerant circuit (10) and outdoor air. The auxiliary heat exchanger (1) is connected so as to communicate between a connection path (4) between a low-stage compressor (11) and a high-stage compressor (12) and a connection path (7) between a low-stage expansion valve (15) and a high-stage expansion valve (14).

IPC 8 full level
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Citation (search report)
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• See references of WO 2013046647A1

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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

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