

Title (en)
AIR-CONDITIONING DEVICE

Title (de)
KLIMAANLAGE

Title (fr)
DISPOSITIF DE CLIMATISATION

Publication
EP 2878902 A4 20160323 (EN)

Application
EP 12881820 A 20120724

Priority
JP 2012004708 W 20120724

Abstract (en)
[origin: EP2878902A1] An air-conditioning apparatus 100 includes a heat source-side unit 1 including a compressor 10 that compresses a refrigerant and a heat source-side heat exchanger 12 that exchanges heat between air and the refrigerant, a plurality of use-side units 2a, 2b each including a use-side heat exchanger 26a that exchanges heat between air and a heat medium, and a plurality of intermediate heat exchangers 15a, 15b connected to the heat source-side unit 1 via a refrigerant pipe and to the use-side units 2a, 2b via a heat medium pipe, and configured to exchange heat between the refrigerant and the heat medium. Target determination means 521 detects condensation status of each of the use-side units 2a, 2b and determines whether to perform condensation suppression control for suppressing condensation with respect to each of the use-side units 2a, 2b according to the condensation status. The use-side unit 2b determined by the target determination means 521 to be subjected to the condensation suppression control is connected to an intermediate heat exchanger for adjustment 15b among the plurality of intermediate heat exchangers 15a, 15b. Refrigerant circuit control means 53c controls a temperature of the refrigerant flowing into the intermediate heat exchanger for adjustment 15b so that the heat medium temperature T of the heat medium flowing into at least one use-side unit the use-side units 2b enters a predetermined target set temperature range.

IPC 8 full level
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Citation (search report)
• [A] EP 2314939 A1 20110427 - MITSUBISHI ELECTRIC CORP [JP]
• [A] JP 2007212085 A 20070823 - ISHIMOTO KENCHIKU JIMUSHO KK, et al
• [A] US 2012174611 A1 20120712 - YAMASHITA KOJI [JP], et al
• [A] EP 2314945 A1 20110427 - MITSUBISHI ELECTRIC CORP [JP]
• [A] EP 2312228 A1 20110420 - MITSUBISHI ELECTRIC CORP [JP]
• See references of WO 2014016865A1

Designated contracting state (EPC)
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EP 2878902 A1 20150603; **EP 2878902 A4 20160323**; **EP 2878902 B1 20200909**; CN 104364590 A 20150218; CN 104364590 B 20160817; JP 5774225 B2 20150909; JP WO2014016865 A1 20160707; US 2015128628 A1 20150514; WO 2014016865 A1 20140130

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