

Title (en)
Multi-type air conditioner

Title (de)
Multityp-Klimaanlage

Title (fr)
Climatiseur d'air multitype

Publication
EP 2733441 A2 20140521 (EN)

Application
EP 13192866 A 20131114

Priority
JP 2012252547 A 20121116

Abstract (en)
The present invention has an object to perform an operation with a high degree of freedom in each of an indoor unit (3A,3B,3C) and a water temperature regulation apparatus (40) and perform an efficient operation in accordance with operation states of the indoor unit and the water temperature regulation apparatus. In a mode in which indoor air conditioning by the indoor unit is prioritized, in the case where a target pressure of a refrigerant circuit of an outdoor unit (2) is set in accordance with a set temperature of each indoor unit, a water temperature regulation controller controls the degree of opening of an expansion valve (52) such that the capability of a water heat exchanger does not become equal to or more than 100%. Moreover, in the case where sufficient control cannot be performed by only adjusting the degree of opening of the expansion valve, the amount of water passing through a bypass (72) is adjusted by a water control valve (73), whereby the capability of the water heat exchanger of a water temperature regulation unit can be suppressed to be less than 100%.

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Citation (applicant)
• JP H08261599 A 19961011 - KYUSHU ELECTRIC POWER, et al
• JP 2008281319 A 20081120 - INTER CENTRAL KK, et al

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EP3205954A1; EP3205955A1; CN109373543A; CN114322205A; US11680725B2; EP3722689A1

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