

Title (en)

AIR CONDITIONING SYSTEM, AND CONTROL DEVICE AND CONTROL METHOD FOR SAME

Title (de)

KLIMAANLAGE SOWIE STEUERUNGSVORRICHTUNG UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)

SYSTÈME DE CLIMATISATION, DISPOSITIF ET PROCÉDÉ DE COMMANDE POUR CELUI-CI

Publication

EP 3064848 A1 20160907 (EN)

Application

EP 15756043 A 20150129

Priority

- JP 2014034149 A 20140225
- JP 2015052588 W 20150129

Abstract (en)

In an air conditioning system, outdoor units (2a, 2b) and indoor units (3a, 3b) undergo autonomous decentralized control such that the change in respective coolant pressures stays within a prescribed allowable range. If, for example, the temperature setting for the indoor unit (3a) is changed, an outdoor unit such as the outdoor unit (2a) for operating in a pair with the indoor unit (3a) is selected, and the selected outdoor unit (2a) and the indoor unit (3a) having a changed target value are grouped together. Among the grouped indoor unit (3a) and outdoor unit (2a), a control instruction is generated so as to inhibit the change in coolant pressure resulting from the change in temperature setting so as to remain within the prescribed range, and respective control instructions are sent to the corresponding indoor unit (3a) and outdoor unit (2a). As a result, the change in coolant pressure resulting from the change in temperature setting can be kept to the grouped indoor unit (3a) and outdoor unit (2a), allowing the system to be stable. As a result, it is possible to attain a balance between responsiveness and stability in the system.

IPC 8 full level

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