

Title (en)

METHOD FOR DETECTING POWER CONSUMPTION OF MULTI-SPLIT AIR CONDITIONER, HEAT RECOVERY MULTI-SPLIT AIR CONDITIONER, STORAGE MEDIUM, AND DEVICE

Title (de)

VERFAHREN ZUR ERKENNUNG DES STROMVERBRAUCHS EINER MULTISPLIT-KLIMAAANLAGE, MULTISPLIT-KLIMAAANLAGE MIT WÄRMERÜCKGEWINNUNG, SPEICHERMEDIUM UND VORRICHTUNG

Title (fr)

PROCÉDÉ DE DÉTECTION DE CONSOMMATION D'ÉNERGIE D'UN CLIMATISEUR MULTI-BLOCS, CLIMATISEUR MULTI-BLOCS À RÉCUPÉRATION DE CHALEUR, SUPPORT DE STOCKAGE ET DISPOSITIF

Publication

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Application

EP 22742111 A 20220117

Priority

- CN 202110086371 A 20210121
- CN 2022072344 W 20220117

Abstract (en)

[origin: EP4269894A1] The present application discloses a method for detecting the power consumption of a multi-split air conditioner, a heat recovery multi-split air conditioner, a storage medium, and a device. Compared to the existing means in which only the overall power consumption of a multi-split air conditioner is detected, the present application comprises: acquiring hydraulic module data of a heat recovery multi-split air conditioner, and determining a hydraulic module heat absorption value according to the hydraulic module data; acquiring outdoor unit data, indoor unit data, and power consumption data of the heat recovery multi-split air conditioner; determining, according to the outdoor unit data, the indoor unit data, and the hydraulic module data, the heating capacity of a condenser and the cooling capacity of an evaporator; and determining, according to the hydraulic module heat absorption value, the power consumption data, the heating capacity of the condenser, and the cooling capacity of the evaporator, the power consumption of an indoor unit and the power consumption of a hydraulic module. Therefore, the disadvantage in the existing technology in which the power consumed by each indoor unit and hydraulic module cannot be detected is overcome. Accordingly, the power consumption of each indoor unit and hydraulic module of a heat recovery multi-split air conditioner can be rapidly detected.

IPC 8 full level

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Citation (search report)

- [I] JP H10103736 A 19980421 - DAIKIN IND LTD
- [A] CN 111473498 A 20200731 - GUANDONG MIDEA HVAC EQUIPMENT, et al
- [A] JP 2001033076 A 20010209 - MITSUBISHI ELECTRIC CORP
- [A] US 2013312443 A1 20131128 - TAMAKI SHOGO [JP], et al
- See also references of WO 2022156632A1

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DOCDB simple family (application)

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