

Title (en)

Multi-unit air conditioner and method for controlling the same

Title (de)

Mehrzonenklimaanlage und Verfahren zur Steuerung derselben

Title (fr)

Conditionneur d'air comprenant plusieurs unités et procédé de commande de celui-ci

Publication

EP 1643195 A2 20060405 (EN)

Application

EP 05103533 A 20050428

Priority

KR 20040078564 A 20041002

Abstract (en)

Disclosed herein is a simultaneous cooling and heating operation controlling method of a multi air conditioner system comprising a plurality of indoor units connected in parallel to an outdoor unit. The simultaneous cooling and heating operation controlling method comprises differently setting a cooling and heating reference range to decide main operation mode of the multi air conditioner system based on outdoor temperature, measuring the outdoor temperature to select the cooling and heating reference range based on the outdoor temperature, summing capacities of the indoor units where a cooling or heating operation is set to calculate cooling and heating ratio, and identifying part of the cooling and heating reference range corresponding to the cooling and heating ratio to decide the main operation mode of the multi air conditioner system.

IPC 8 full level

F25B 13/00 (2006.01)

CPC (source: EP KR)

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Citation (applicant)

- EP 1437558 A1 20040714 - LG ELECTRONICS INC [KR]
- EP 1371914 A1 20031217 - LG ELECTRONICS INC [KR]
- JP H0599525 A 19930420 - MATSUSHITA REFRIGERATION

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EP1978315A3; US2012298347A1; US9732975B2; EP3640555A4; US1158559B2

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EP 1643195 A2 20060405; **EP 1643195 A3 20060607**; **EP 1643195 B1 20091014**; CN 100510562 C 20090708; CN 1755259 A 20060405; DE 602005017106 D1 20091126; KR 20060029564 A 20060406

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