

Title (en)

Apparatus and method for controlling sleep mode of airconditioner

Title (de)

Verfahren und Vorrichtung zur Schlafmodusregelung in einer Klimaanlage

Title (fr)

Procédé et appareil de commande du mode sommeil pour dispositif de conditionnement d'air

Publication

**EP 1811238 A2 20070725 (EN)**

Application

**EP 06007855 A 20060413**

Priority

KR 20060005524 A 20060118

Abstract (en)

An air-conditioner and a method for controlling the same are disclosed. The apparatus and method for controlling the sleep mode of the air-conditioner provides an optimum air-conditioning effect suitable for individual sleep stages in consideration of temperature characteristics of the sleep stages of a sleeping human being, such that it can provide the sleeping human being with an optimum sleep mode. The apparatus includes a room temperature sensor for detecting a room temperature; and a controller for controlling the sleep mode when the sleep mode begins, such that it executes a sleep-entrance stage for a rapid cooling mode during which the room temperature is quickly reduced to a first temperature less than a setup temperature, executes a deep-sleep stage for gradually increasing the room temperature to a second temperature higher than the setup temperature, and executes a wake-up stage for increasing the room temperature to a third temperature higher than the second temperature.

IPC 8 full level

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CPC (source: EP KR US)

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Cited by

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