

Title (en)

WIND-SENSELESS CONTROL METHOD AND DEVICE, READABLE STORAGE MEDIUM, AND AIR CONDITIONER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR STEUERUNG OHNE WINDGEFÜHL, LESBARES SPEICHERMEDIUM UND KLIMAANLAGE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE COMMANDE SANS SENSATION DE VENT, SUPPORT D'INFORMATIONS LISIBLE, ET CLIMATISEUR

Publication

EP 3604958 A1 20200205 (EN)

Application

EP 18894646 A 20180331

Priority

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- CN 2018081479 W 20180331

Abstract (en)

The present disclosure provides a method for controlling a breezeless mode, including the following operations: detecting whether there is a human body in a target area after a fan is in the breezeless mode; obtaining an actual skin temperature Tsk, a human activity metabolic rate M, and an ambient temperature Ta, in response to a determination that there is the human body in the target area; obtaining a breezeless index PD, an air velocity Va, a fan speed RPM, and an air turbulence intensity Tu corresponding to the breezeless mode of the fan; determining a target temperature Tbs of the fan according to the actual skin temperature Tsk, the human activity metabolic rate M, the breezeless index PD, the air velocity Va, and the air turbulence intensity Tu; and adjusting a compressor frequency of the fan and the fan speed RPM according to a difference between the ambient temperature Ta and the target temperature Tbs. The present disclosure also provides a device for controlling a breezeless mode and a readable storage medium, and an air conditioner. The present disclosure realizes more precise control of the fan in the breezeless mode by combining the activity state of the human, and provides a better breezeless experience.

IPC 8 full level

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CPC (source: EP)

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Cited by

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