

Title (en)

METHOD AND DEVICE FOR ROTATING AIR DEFLECTOR TO PRESET POSITION AND AIR CONDITIONER

Title (de)

VERFAHREN UND VORRICHTUNG ZUM DREHEN EINES LUFTDEFLEKTORS AUF EINE VOREINGESTELLTE POSITION UND KLIMAAANLAGE

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR FAIRE TOURNER UN DÉFLECTEUR D'AIR VERS UNE POSITION PRÉDÉFINIE ET CLIMATISEUR

Publication

**EP 3617611 A4 20210127 (EN)**

Application

**EP 18790011 A 20180425**

Priority

- CN 201710286215 A 20170426
- CN 2018084395 W 20180425

Abstract (en)

[origin: EP3617611A1] A method and a device for rotating an air guide plate to a preset position, and an electronic device. The method including: acquiring a first angle between a preset position and a first limiting position and a second angle between a second limiting position and the preset position (S110), wherein the first limiting position and the second limiting position are two limiting positions of the air guide plate rotating upward and downward; judging whether the first angle is less than the second angle (S120); when the first angle is less than the second angle, controlling the air guide plate rotates to the first limiting position (S130); controlling the air guide plate to rotate in an opposite direction to the preset position (S150).limiting positions An angle of the reverse rotation is usually small, and the probability of the position jump is small, so that a rotation angle of the air guide plate can be positioned more accurately.

IPC 8 full level

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CPC (source: CN EP)

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Citation (search report)

- [Y] EP 3112771 A1 20170104 - SIEMENS SCHWEIZ AG [CH]
- [Y] US 2013049644 A1 20130228 - NEUMANN JEFF [US]
- [A] US 2016156299 A1 20160602 - ROMANOWICH GARY A [US], et al
- [A] US 2015260425 A1 20150917 - ROMANOWICH GARY A [US], et al
- See references of WO 2018196778A1

Cited by

EP4224082A4

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