

Title (en)  
TEMPERATURE AND HUMIDITY COMPREHENSIVE ADJUSTMENT CONTROL METHOD, AND ADJUSTMENT DEVICE, ADJUSTMENT SYSTEM AND MEDIUM

Title (de)  
VERFAHREN ZUR UMFASSENDEN REGELUNG VON TEMPERATUR UND FEUCHTIGKEIT SOWIE REGELVORRICHTUNG, REGELSYSTEM UND MEDIUM

Title (fr)  
PROCÉDÉ DE COMMANDE DE RÉGLAGE COMPLET DE TEMPÉRATURE ET D'HUMIDITÉ ET DISPOSITIF DE RÉGLAGE, SYSTÈME DE RÉGLAGE ET SUPPORT

Publication  
**EP 4155617 A4 20231129 (EN)**

Application  
**EP 21853772 A 20210528**

Priority  
• CN 202010793953 A 20200807  
• CN 2021096574 W 20210528

Abstract (en)  
[origin: EP4155617A1] A temperature and humidity comprehensive adjustment control method, comprising the following steps: acquiring a thermal comfort influence parameter corresponding to a user in a working space of an adjustment device, and a preset relative humidity range (S10); determining a target temperature range according to the thermal comfort influence parameter and the relative humidity range (S20); determining a target moisture content range according to the preset relative humidity range (S30); and determining an operating parameter of the adjustment device according to the current temperature, the current moisture content, the target moisture content range and the target temperature range in the working space, and controlling the adjustment device to operate according to the determined operating parameter (S40).

IPC 8 full level  
**F24F 11/64** (2018.01); **F24F 11/80** (2018.01); **F24F 110/20** (2018.01)

CPC (source: CN EP)  
**F24F 11/46** (2017.12 - CN EP); **F24F 11/64** (2017.12 - CN EP); **F24F 11/70** (2017.12 - CN); **F24F 11/80** (2017.12 - EP); **F24F 2110/10** (2017.12 - EP); **F24F 2110/12** (2017.12 - CN EP); **F24F 2110/20** (2017.12 - CN EP); **F24F 2120/14** (2017.12 - EP); **F24F 2130/10** (2017.12 - CN EP)

Citation (search report)  
• [XAI] US 2007240437 A1 20071018 - YONEZAWA KENZO [JP], et al  
• [XAI] CN 105003998 A 20151028 - MIDEA GROUP CO LTD  
• [XAI] CN 102778002 A 20121114 - GUANGDONG MIDEA ELECTRICAL APPLIANCE CO LTD  
• [XAI] CN 103542490 A 20140129 - ZHUHAI GREE ELEC APPLIANCES  
• [I] US 2011205371 A1 20110825 - NAGATA KAZUMI [JP], et al  
• [I] EP 2833077 A1 20150204 - PANASONIC CORP [JP]  
• See references of WO 2022028063A1

Designated contracting state (EPC)  
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