

Title (en)

CONTROL METHOD FOR AIR TREATMENT SYSTEM, AND AIR TREATMENT SYSTEM

Title (de)

STEUERUNGSVERFAHREN FÜR LUFTBEHANDLUNGSSYSTEM UND LUFTBEHANDLUNGSSYSTEM

Title (fr)

PROCÉDÉ DE COMMANDE POUR SYSTÈME DE TRAITEMENT D'AIR, ET SYSTÈME DE TRAITEMENT D'AIR

Publication

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Application

EP 21829420 A 20210621

Priority

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- JP 2021023484 W 20210621

Abstract (en)

[origin: EP4170254A1] Provided are an air treatment system control method and an air treatment system that effectively prevent the appearance of mold with ease. The present invention provides an air treatment system control method for permitting an air treatment system to implement a mold prevention mode and, in the mold prevention mode, permitting the air treatment system to implement a mold preventing operation of decreasing a relative humidity in a target space to be adjusted by the air treatment system when the relative humidity is higher than a target relative humidity. The air treatment system control method includes setting the target relative humidity at a% when a relation of the relative humidity \leq a% is satisfied, and changing the target relative humidity in accordance with an indoor temperature when a relation of the relative humidity $>$ a% is satisfied.

IPC 8 full level

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Citation (search report)

- [A] JP 2002089932 A 20020327 - SANYO ELECTRIC CO, et al
- [A] JP 2017087119 A 20170525 - PANASONIC IP MAN CORP
- [A] CN 110887163 A 20200317 - NINGBO AUX ELECTRIC CO LTD
- [A] EP 1083390 A2 20010314 - SHARP KK [JP]
- [A] JP 2001259350 A 20010925 - SHARP KK
- See also references of WO 2021261459A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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