

Title (en)

AIR OUTLET MECHANISM AND AIR TREATMENT DEVICE

Title (de)

LUFTAUSLASSMECHANISMUS UND LUFTBEHANDLUNGSVORRICHTUNG

Title (fr)

MÉCANISME DE SORTIE D'AIR ET DISPOSITIF DE TRAITEMENT D'AIR

Publication

EP 3926250 A4 20220406 (EN)

Application

EP 19926562 A 20191230

Priority

- CN 201910340629 A 20190425
- CN 2019129775 W 20191230

Abstract (en)

[origin: EP3926250A1] The present application relates to an air outlet mechanism and an air treatment device. The air treatment device is provided with a vertical air duct. A first upper end surface of the vertical air duct is obliquely arranged. The air outlet mechanism includes a first air outlet plate and a second air outlet plate. The first air outlet plate surrounds a higher side of the first upper end surface and is rotatably connected to the air treatment device. The second air outlet plate surrounds other parts of the first upper end surface and is connected to the air treatment device. The first air outlet plate includes a straight plate rotatably connected to the air treatment device and an arc-shaped plate connected to the straight plate. An end of the second air outlet plate away from the first upper end surface is inclined toward an outer side of the air duct. An air outlet is formed between the first air outlet plate and the second air outlet plate. The air outlet is capable of being adjusted by rotating the first air outlet plate. The rotation of the first air outlet plate can adjust the shape, size and air flow direction of the air outlet, increasing the flexibility and controllability of the air output, which is easy to control and achieve satisfactory air supply volume and air blow-down effect, and eliminates the dead corners of the air supply. The air outlet mechanism has high integrity, and can be conveniently produced and easily assembled.

IPC 8 full level

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CPC (source: CN EP)

F24F 13/06 (2013.01 - CN EP); **F24F 13/1413** (2013.01 - EP); **F24F 13/142** (2013.01 - EP)

Citation (search report)

- [X] GB 2002896 A 19790228 - MATSUSHITA ELECTRIC IND CO LTD
- [XI] US 4327869 A 19820504 - NAWA MOTOYUKI, et al
- [X] US 2018038613 A1 20180208 - TOMOHITO AJIKI [JP], et al
- [XI] EP 0267485 A2 19880518 - HAPPEL GMBH & CO [DE]
- [XI] WO 8304290 A1 19831208 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- See also references of WO 2020215788A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3926250 A1 20211222; **EP 3926250 A4 20220406**; CN 110030713 A 20190719; CN 110030713 B 20240308; WO 2020215788 A1 20201029

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