

Title (en)  
AIR MANAGEMENT APPARATUS OR DEVICE

Title (de)  
GERÄT ODER VORRICHTUNG ZUR LUFTVERWALTUNG

Title (fr)  
APPAREIL OU DISPOSITIF DE GESTION D'AIR

Publication  
**EP 3835674 A1 20210616 (EN)**

Application  
**EP 20203257 A 20201022**

Priority  
KR 20190163441 A 20191210

Abstract (en)  
An air management device may include three independently operated primary impellers 131, 131', 131'', and drawn-in air is discharged through discharge ports 15'-1, 15'-2, 15'-3 provided in the front plate 15 of the housing 10. Louvers 141, 142, 143 installed downstream of the air flow and discharge ports 15'-1, 15'-2, 15'-3 may be independently opened or closed to provide discharge of the air to the surrounding environment. Further, at least one retractable or pop-up fan may be provided. The air management allows customization of air flow. The housing 10 of the furniture-type air management device may be installed on the floor of the livable space and may have a hexahedron shape that extends from side to side. A bottom inlet 11' may be formed on the bottom plate 11 of the housing 10 facing the floor of the living space above a predetermined distance. The replaceable filter 300 may be installed to filter the air sucked through the bottom inlet 11', and may be drawn in and out of the housing 10. A plurality of passage openings 302 may be formed in a filter frame 301, and filters 320, 330, and 340 are stacked over the passage openings 302.

IPC 8 full level  
**F24F 1/0014** (2019.01); **F24F 1/0033** (2019.01); **F24F 1/0073** (2019.01); **F24F 1/008** (2019.01); **F24F 13/20** (2006.01); **F24F 13/28** (2006.01)

CPC (source: CN EP KR)  
**F24F 1/0014** (2013.01 - CN EP); **F24F 1/0033** (2013.01 - CN EP); **F24F 1/0073** (2019.02 - EP KR); **F24F 1/008** (2019.02 - EP); **F24F 11/70** (2018.01 - CN); **F24F 13/1426** (2013.01 - CN); **F24F 13/20** (2013.01 - EP); **F24F 13/222** (2013.01 - CN); **F24F 13/28** (2013.01 - CN EP KR); **F24F 13/30** (2013.01 - CN); **F24F 2120/20** (2018.01 - CN)

Citation (applicant)  
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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)  
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**EP 20203257 A 20201022**; CN 202010424729 A 20200519; KR 20190163441 A 20191210