

Title (en)

FAN HEAD ASSEMBLY FOR BLADELESS AIR-BLOWING APPARATUS, BLADELESS AIR-BLOWING APPARATUS, HEAD FOR BLADELESS FAN, AND BLADELESS FAN

Title (de)

GEBLÄSEKOPFANORDNUNG FÜR SCHAUFELLOSE LUFTGEBLÄSEVORRICHTUNG, SCHAUFELLOSE LUFTGEBLÄSEVORRICHTUNG, KOPF FÜR SCHAUFELLOSEN LÜFTER UND SCHAUFELLOSER LÜFTER

Title (fr)

ENSEMBLE DE TÊTE DE VENTILATEUR POUR APPAREIL DE SOUFFLAGE D'AIR SANS PALE, APPAREIL DE SOUFFLAGE D'AIR SANS PALE, TÊTE POUR VENTILATEUR SANS PALE ET VENTILATEUR SANS PALE

Publication

EP 3726066 A1 20201021 (EN)

Application

EP 18890517 A 20181217

Priority

- CN 201711376203 A 20171219
- CN 201721803860 U 20171219
- CN 201721803727 U 20171219
- CN 201711378783 A 20171219
- CN 2018121607 W 20181217

Abstract (en)

A fan head assembly for a bladeless air-blowing apparatus, a bladeless air-blowing apparatus, a head (100) for a bladeless fan (1000), and a bladeless fan (1000). The fan head assembly comprises an air outlet portion (10). The air outlet portion (10) comprises an air inlet (13), a nozzle (12), and an air duct (11). Both the air inlet (13) and the nozzle (12) communicate with the air duct (11). The air duct (11) has a variable cross-section part. An airflow passage area of the variable cross-section part continuously switches from bottom to top, and the airflow passage area at the lower end of the variable cross-section part is larger than the airflow passage area at the upper end. The configuration allows a flow rate of an inlet airflow to increase when the inlet airflow passes through the variable cross-section part, such that the flow rate of the airflow output from an upward nozzle and a downward nozzle at the variable cross-section part is uniform, thereby improving the user experience.

IPC 8 full level

F04F 5/44 (2006.01); **F04D 25/08** (2006.01); **F04D 29/40** (2006.01)

CPC (source: EP)

F04D 25/08 (2013.01); **F04F 5/16** (2013.01); **F04F 5/44** (2013.01)

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 3726066 A1 20201021; **EP 3726066 A4 20210127**; **EP 3726066 B1 20230503**; WO 2019120180 A1 20190627

DOCDB simple family (application)

EP 18890517 A 20181217; CN 2018121607 W 20181217