

Title (en)

AIR GUIDE ARRANGEMENT FOR A VENTILATION SYSTEM

Title (de)

LUFTLEITANORDNUNG FÜR EINE LÜFTUNGSANLAGE

Title (fr)

DISPOSITIF DE GUIDAGE D'AIR POUR UNE INSTALLATION DE VENTILATION

Publication

EP 3833873 A1 20210616 (DE)

Application

EP 19795195 A 20191028

Priority

- DE 102018127718 A 20181107
- EP 2019079379 W 20191028

Abstract (en)

[origin: WO2020094443A1] The invention relates to an air guide arrangement designed for a ventilation system, comprising a housing forming a flow channel, in which a ventilator is arranged for generating an airflow through the flow channel of the housing, wherein in the flow channel of the housing, a flow guide device is arranged that is axially connected downstream of the ventilator on the outflow side directly influencing the airflow generated by the ventilator. The flow guide device has an axis-central through opening delimited by a tubular element extending parallel to the flow direction, around which several separate flow segments are formed that are evenly distributed in the circumferential direction, wherein in the circumferential direction, the flow segments are each separated from one another in terms of flow by flow-guiding elements extending radially outward from the tubular element.

IPC 8 full level

F04D 17/16 (2006.01); **F04D 29/42** (2006.01); **F04D 29/44** (2006.01); **F04D 29/54** (2006.01)

CPC (source: EP US)

F04D 17/16 (2013.01 - EP); **F04D 29/4253** (2013.01 - EP US); **F04D 29/441** (2013.01 - EP US); **F04D 29/545** (2013.01 - EP US); **F05D 2250/52** (2013.01 - EP US)

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)

DE 102018127718 A1 20200507; EP 3833873 A1 20210616; US 11913471 B2 20240227; US 2021340995 A1 20211104; WO 2020094443 A1 20200514

DOCDB simple family (application)

DE 102018127718 A 20181107; EP 19795195 A 20191028; EP 2019079379 W 20191028; US 201917285702 A 20191028