

Title (en)

HOUSING FOR A FAN, AND FAN WITH A CORRESPONDING HOUSING

Title (de)

GEHÄUSE FÜR EINEN VENTILATOR UND VENTILATOR MIT EINEM ENTSPRECHENDEN GEHÄUSE

Title (fr)

BOÎTIER POUR UN VENTILATEUR ET VENTILATEUR DOTÉ D'UN BOÎTIER CORRESPONDANT

Publication

**EP 4090853 A1 20221123 (DE)**

Application

**EP 20845387 A 20201204**

Priority

- DE 102020200447 A 20200115
- DE 2020200108 W 20201204

Abstract (en)

[origin: WO2021143972A1] A housing for a fan, preferably for an axial or diagonal fan, wherein the fan comprises an impeller wheel and at least one throughflow region, is characterized in that a plurality of individual, freestanding guide elements are provided immediately downstream of the impeller wheel or of the blades of the impeller wheel in an outer region of the housing and therefore in the throughflow region. A fan comprises a corresponding housing.

IPC 8 full level

**F04D 29/54** (2006.01); **F04D 19/00** (2006.01); **F04D 29/02** (2006.01); **F04D 29/16** (2006.01)

CPC (source: EP US)

**F04D 19/002** (2013.01 - EP US); **F04D 29/023** (2013.01 - EP US); **F04D 29/164** (2013.01 - EP US); **F04D 29/542** (2013.01 - US); **F04D 29/544** (2013.01 - EP); **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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**DE 102020200447 A1 20210715**; BR 112022013007 A2 20220906; CN 114981544 A 20220830; CN 114981544 B 20240123; EP 4090853 A1 20221123; JP 2023510185 A 20230313; US 11859640 B2 20240102; US 2023032483 A1 20230202; WO 2021143972 A1 20210722

DOCDB simple family (application)

**DE 102020200447 A 20200115**; BR 112022013007 A 20201204; CN 202080092984 A 20201204; DE 2020200108 W 20201204; EP 20845387 A 20201204; JP 2022540637 A 20201204; US 202017791812 A 20201204