

Title (en)
TURBINE FOR TANGENTIAL FAN INTENDED FOR BEING PROVIDED IN A MOTOR VEHICLE, TANGENTIAL FAN, VENTILATION DEVICE
AND HEAT-EXCHANGE MODULE FOR A MOTOR VEHICLE

Title (de)
TURBINE FÜR QUERSTROMVENTILATOR ZUM EINBAU IN EIN KRAFTFAHRZEUG, QUERSTROMVENTILATOR, LÜFTUNGSVORRICHTUNG
UND WÄRMETAUSCHERMODUL FÜR EIN KRAFTFAHRZEUG

Title (fr)
TURBINE POUR VENTILATEUR TANGENTIEL DESTINÉ À ÉQUIPER UN VÉHICULE AUTOMOBILE, VENTILATEUR TANGENTIEL, DISPOSITIF
DE VENTILATION ET MODULE D'ÉCHANGE DE CHALEUR POUR VÉHICULE AUTOMOBILE

Publication
EP 3781797 A1 20210224 (FR)

Application
EP 19740630 A 20190529

Priority
• FR 1854746 A 20180531
• FR 2019051264 W 20190529

Abstract (en)
[origin: WO2019229382A1] The present invention relates to a turbine (102) for a tangential fan (100) intended for being provided in a motor vehicle, the turbine extending mainly in the direction of a longitudinal axis (L102) of the turbine (102), the turbine (102) having a plurality of blades (110) distributed in stages (112; 1121; 1122) along said longitudinal axis (L102) of the turbine (102), each stage (112; 1121; 1122) comprising a plurality of blades (110) angularly distributed around said longitudinal axis (L102) of the turbine (102), the blades (110) of each stage (112; 1121; 1122) of blades (110) preferably being equally distributed around said longitudinal axis (L102) of the turbine (102), turbine in which the blades (110) of a first stage (1121) of blades (110) are angularly offset relative to the blades (110) of at least one second stage (1122) of blades (110).

IPC 8 full level
F01P 5/02 (2006.01); **F04D 17/04** (2006.01); **F04D 29/28** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP US)
F01P 5/02 (2013.01 - EP US); **F04D 17/04** (2013.01 - EP); **F04D 25/08** (2013.01 - EP); **F04D 29/283** (2013.01 - EP); **F04D 29/665** (2013.01 - EP); **F04D 29/666** (2013.01 - EP US); **F04F 5/16** (2013.01 - EP); **F04F 5/46** (2013.01 - EP); **F04F 5/466** (2013.01 - EP); **F04D 17/04** (2013.01 - US); **F04D 25/08** (2013.01 - US); **F04D 29/283** (2013.01 - US)

Citation (search report)
See references of WO 2019229382A1

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)
WO 2019229382 A1 20191205; CN 112534123 A 20210319; EP 3781797 A1 20210224; FR 3081942 A1 20191206; FR 3081942 B1 20210521; US 2021207520 A1 20210708

DOCDB simple family (application)
FR 2019051264 W 20190529; CN 201980049583 A 20190529; EP 19740630 A 20190529; FR 1854746 A 20180531; US 201917059779 A 20190529