

Title (en)

VENTILATION DEVICE WITH OPTIMISED-PITCH TUBES FOR A MOTOR VEHICLE HEAT EXCHANGE MODULE

Title (de)

BELÜFTUNGSVORRICHTUNG MIT ROHREN MIT OPTIMIERTER NEIGUNG FÜR EIN WÄRMEAUSTAUSCHMODUL EINES KRAFTFAHRZEUGS

Title (fr)

DISPOSITIF DE VENTILATION À TUBES À PAS OPTIMISÉ POUR MODULE D'ÉCHANGE DE CHALEUR DE VÉHICULE AUTOMOBILE

Publication

EP 3589845 A1 20200108 (FR)

Application

EP 18723581 A 20180426

Priority

- FR 1753809 A 20170428
- FR 2018051064 W 20180426

Abstract (en)

[origin: WO2018197819A1] The invention relates to a ventilation device (2) for generating an air flow in the direction of a heat exchanger (1) of a motor vehicle, comprising pipes (8) through which an air flow is intended to pass, the pipes (8) being provided with at least one opening (40) for the passage of the air flow, separate from the ends thereof. The pipes (8) are aligned in a direction perpendicular to a direction of extension of the pipes (8), with a pitch of at least 15 mm and at most 30 mm.

IPC 8 full level

F04F 5/16 (2006.01); **F01P 5/02** (2006.01)

CPC (source: EP)

F01P 5/02 (2013.01); **F04F 5/16** (2013.01); **F04F 5/20** (2013.01); **F04F 5/46** (2013.01); **F04F 5/466** (2013.01)

Citation (search report)

See references of WO 2018197819A1

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 2018197819 A1 20181101; EP 3589845 A1 20200108; EP 3589845 B1 20210512; FR 3065746 A1 20181102; FR 3065746 B1 20190419

DOCDB simple family (application)

FR 2018051064 W 20180426; EP 18723581 A 20180426; FR 1753809 A 20170428