

Title (en)

MOTORIZED FAN UNIT FOR A MOTOR VEHICLE

Title (de)

MOTORISIERTE LÜFTEREINHEIT FÜR EIN KRAFTFAHRZEUG

Title (fr)

GROUPE MOTO-VENTILATEUR POUR VEHICULE AUTOMOBILE

Publication

EP 3931448 A1 20220105 (FR)

Application

EP 20705431 A 20200122

Priority

- FR 1901920 A 20190225
- FR 2020050086 W 20200122

Abstract (en)

[origin: WO2020174135A1] The invention relates to a motorized fan unit for a motor vehicle, comprising a motor (2), a fan (3) for moving an air flow (F) that is configured to be controlled by the motor (2), and a control module (4) for controlling said motor (2), the control module (4) comprising an electronic card, the motorized fan unit delimiting a main air-flow circulation duct (5) and a cooling duct (6) configured to cool said electronic card of the control module, the duct (6) comprising an inlet (7) provided with a deflector (8) for diverting a portion of the air flow into the duct (6), the deflector (8) being mounted movably according to an air flow rate in the main duct for the purpose of increasing an air flow rate in the cooling duct (6) with the speed of the air flow in the main duct (5).

IPC 8 full level

F04D 29/58 (2006.01); **F04D 25/06** (2006.01)

CPC (source: EP US)

F04D 17/16 (2013.01 - US); **F04D 25/06** (2013.01 - EP US); **F04D 29/462** (2013.01 - US); **F04D 29/5806** (2013.01 - US); **F04D 29/5813** (2013.01 - EP US)

Citation (search report)

See references of WO 2020174135A1

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 2020174135 A1 20200903; CN 113439164 A 20210924; EP 3931448 A1 20220105; FR 3093141 A1 20200828; FR 3093141 B1 20210122; US 2022136527 A1 20220505

DOCDB simple family (application)

FR 2020050086 W 20200122; CN 202080014977 A 20200122; EP 20705431 A 20200122; FR 1901920 A 20190225; US 202017433408 A 20200122