

Title (en)

AERODYNAMIC BLADE ACTUATED BY AN ENERGY STORAGE DEVICE

Title (de)

DURCH EINE ENERGIESPEICHERVORRICHTUNG BETÄTIGTE AERODYNAMISCHE SCHAUFEL

Title (fr)

LAME AÉRODYNAMIQUE ACTIONNÉE PAR UN DISPOSITIF À ACCUMULATION D'ÉNERGIE

Publication

EP 3601019 A1 20200205 (FR)

Application

EP 18715209 A 20180316

Priority

- FR 1752259 A 20170320
- FR 2018050650 W 20180316

Abstract (en)

[origin: WO2018172675A1] An aerodynamic blade (1) for a motor vehicle, comprising a shutter (10) mounted on a support shaft (27) of axis XX' linked to a chassis of the vehicle by at least one bearing (270), and rotated about said axis between an open position and a closed position by a motor assembly (2) characterised in that said motor assembly (2) comprises mechanical energy storage means (20) of which the level of stored energy can be adjusted to deliver, on request, sufficient torque for the shutter (10) to change position almost instantaneously in a time of less than 1 second.

IPC 8 full level

B62D 35/00 (2006.01); **B60H 1/26** (2006.01); **B60K 11/08** (2006.01)

CPC (source: EP US)

B60K 11/085 (2013.01 - EP US); **B62D 35/00** (2013.01 - EP US); **B62D 37/02** (2013.01 - 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)

FR 3063967 A1 20180921; **FR 3063967 B1 20190510**; CN 110691731 A 20200114; EP 3601019 A1 20200205; MA 48985 A 20200205; US 2021276633 A1 20210909; WO 2018172675 A1 20180927

DOCDB simple family (application)

FR 1752259 A 20170320; CN 201880018242 A 20180316; EP 18715209 A 20180316; FR 2018050650 W 20180316; MA 48985 A 20180316; US 201816496036 A 20180316