Title (en)

VEHICLE ACTIVE SURFACE ACTUATION APPARATUS

Title (de)

VORRICHTUNG ZUR BETÄTIGUNG EINER AKTIVEN FAHRZEUGOBERFLÄCHE

Title (fr)

APPAREIL D'ACTIONNEMENT DE SURFACE ACTIVE DE VÉHICULE

Publication

EP 3844054 A1 20210707 (EN)

Application

EP 19758469 A 20190815

Priority

- GB 201814148 A 20180831
- GB 2019052295 W 20190815

Abstract (en)

[origin: GB2576754A] A vehicle active surface actuation system 100 has a first drive mechanism 110 forming a first load path between an active surface 18, typically a spoiler or wing, and a vehicle, which moves between first and second conditions in which active surface 18 is respectively in first and second positions relative to the vehicle. A drive system 106, for example a motor 102 and cable drive, is engaged with and delivers mechanical power to first mechanism 100 to drive it between the first condition and the second condition. Drive system 106 is independent of the first load path in at least one condition of first mechanism 100, so that drive system 106 can be disengaged from first mechanism 100 without interrupting the first load path. Also disclosed is a system where mechanism 100 has a mechanical linkage which moves over-centre to lock the linkage in the second condition, and a system where mechanism 100 has an intermediate stop to lock the mechanism between the first and second conditions.

IPC 8 full level

B62D 35/00 (2006.01); **B62D 37/02** (2006.01)

CPC (source: EP GB)

B62D 35/007 (2013.01 - EP GB); **B62D 37/02** (2013.01 - EP); Y02T 10/82 (2013.01 - EP)

Citation (search report)

See references of WO 2020044017A1

Designated contracting state (EPC)

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BA ME

DOCDB simple family (publication)

GB 201814148 D0 20181017; **GB 2576754 A 20200304**; EP 3844054 A1 20210707; WO 2020044017 A1 20200305

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