

Title (en)

Device for pivoting a flap or door with the support of external force

Title (de)

Vorrichtung zum fremdkraftunterstützten Verschwenken einer Klappe oder Tür

Title (fr)

Dispositif de basculement d'un clapet ou d'une porte actionné par une force extérieure

Publication

**EP 2511461 A3 20131127 (DE)**

Application

**EP 12002283 A 20120329**

Priority

DE 102011016729 A 20110411

Abstract (en)

[origin: EP2511461A2] The device (1) has an energy storage element i.e. torsion bar spring system (3), whose rotational torque acts on a length-variable lever (7) that is guided in a cam (5) of an adjusting link (4). A coupling rod (6) is attached on a flap or door (2). The coupling rod is translationally moved with the length-variable lever, and the adjusting link is moved by an actuator system (8). The actuator system is formed as an articulated electric drive e.g. rotation drive (9), connected with the adjusting link.

IPC 8 full level

**E05F 1/10** (2006.01); **E05F 1/12** (2006.01)

CPC (source: EP)

**E05F 1/1033** (2013.01); **E05F 1/1238** (2013.01); **E05Y 2201/486** (2013.01); **E05Y 2201/638** (2013.01); **E05Y 2800/205** (2013.01); **E05Y 2800/21** (2013.01); **E05Y 2900/546** (2013.01)

Citation (search report)

- [AD] WO 2010025817 A1 20100311 - AUDI AG [DE], et al
- [A] US 2688764 A 19540914 - SQUIRE ALEXANDER C A

Cited by

CN106837080A; CN107532442A

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)

**EP 2511461 A2 20121017**; **EP 2511461 A3 20131127**; DE 102011016729 A1 20121011; DE 102011016729 B4 20130926

DOCDB simple family (application)

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