

Title (en)  
Drive device

Title (de)  
Antriebseinrichtung

Title (fr)  
Dispositif d'entraînement

Publication  
**EP 2540946 A3 20150513 (DE)**

Application  
**EP 12173928 A 20120627**

Priority  
DE 102011051336 A 20110627

Abstract (en)  
[origin: EP2540946A2] The device (1) has a drive housing (3) mounted in a frame profile (2) by a spring element (4) and plate springs and moved relative to the frame profile using a drive e.g. chain drive and spindle drive. A sensor (6) i.e. strain gauge, detects wind loads and movement of the housing relative to the frame profile. The frame profile is designed as a part of a blind frame or a wing frame. The spring element is made of U-shaped bent sheet metal and supports the housing in two directions. The spring element comprises two legs, and the housing is connected with the spring element over a connector.

IPC 1-7  
**E05F 15/10**; E05F 15/20

CPC (source: EP)  
**E05F 15/41** (2015.01); **E05F 15/603** (2015.01); **E05F 15/619** (2015.01); **E05F 15/622** (2015.01); **E05F 15/71** (2015.01); **E05Y 2201/434** (2013.01); **E05Y 2201/656** (2013.01); **E05Y 2400/54** (2013.01); **E05Y 2400/55** (2013.01); **E05Y 2600/11** (2013.01); **E05Y 2800/00** (2013.01); **E05Y 2800/426** (2013.01); **E05Y 2900/148** (2013.01); **E05Y 2900/152** (2013.01)

Citation (search report)  
• [XII] EP 1387467 A1 20040204 - ARVINMERITOR LIGHT VEHICLE SYS [FR]  
• [XA] EP 1229201 A1 20020807 - MERITOR LIGHT VEHICLE SYS LTD [FR]  
• [XAI] EP 0864722 A2 19980916 - BOLDT WILFRIED [DE]  
• [XII] EP 1098417 A1 20010509 - GEZE GMBH [DE]

Cited by  
WO2019141327A1; EP3492679A1

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)  
**DE 102011051336 B3 20120920**; EP 2540946 A2 20130102; EP 2540946 A3 20150513

DOCDB simple family (application)  
**DE 102011051336 A 20110627**; EP 12173928 A 20120627