

Title (en)

Drive for a wing, especially of a door or a window

Title (de)

Antrieb für einen Flügel, insbesondere einer Tür oder eines Fensters

Title (fr)

Entraînement pour un panneau, en particulier un panneau de porte ou de fenêtre

Publication

**EP 1437476 A3 20070801 (DE)**

Application

**EP 03029536 A 20031222**

Priority

DE 10301016 A 20030113

Abstract (en)

[origin: EP1437476A2] A closer spring (19) uses a driven shaft (8) to move a door leaf or window casement in a closing direction. While the closer spring is under pre-tension, the leaf/casement opens with a drive motor (2) and closes through the action of the closer spring. A flexible element on a spring plate (20) transfers force between the drive motor and the closer spring.

IPC 8 full level

**E05F 15/12** (2006.01); **E05F 1/10** (2006.01)

CPC (source: EP)

**E05F 1/105** (2013.01); **E05F 15/63** (2015.01); **E05F 15/72** (2015.01); **E05F 15/627** (2015.01); **E05Y 2201/41** (2013.01); **E05Y 2400/302** (2013.01); **E05Y 2400/36** (2013.01); **E05Y 2800/416** (2013.01); **E05Y 2900/132** (2013.01); **E05Y 2900/148** (2013.01)

Citation (search report)

[DA] DE 19500944 A1 19960229 - GEZE GMBH & CO [DE]

Cited by

DE102013112327A1; EP2617924A3; DE102013112327B4; CN105683474A; AU2014337213B2; EP3361033A1; US10626653B2; WO2015058035A1; US10030425B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)

AL LT LV MK

DOCDB simple family (publication)

**EP 1437476 A2 20040714**; **EP 1437476 A3 20070801**; **EP 1437476 B1 20080924**; AT E409268 T1 20081015; DE 10301016 A1 20040729; DE 10301016 B4 20060504; DE 50310538 D1 20081106; NO 20040131 L 20040714; NO 327625 B1 20090907

DOCDB simple family (application)

**EP 03029536 A 20031222**; AT 03029536 T 20031222; DE 10301016 A 20030113; DE 50310538 T 20031222; NO 20040131 A 20040112