

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 B1 20080924 (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)

Cited by

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

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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

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