

Title (en)

A drive device for a wing of a door, window or the like.

Title (de)

Antriebsvorrichtung für einen Flügel einer Tür, eines Fensters oder dergleichen

Title (fr)

Dispositif de commande pour le battant d'une porte, d'une fenêtre ou similaire

Publication

EP 2428631 A2 20120314 (EN)

Application

EP 11180584 A 20110908

Priority

NL 2005330 A 20100908

Abstract (en)

A drive device for a wing of a door, window or the like, comprises a drive member for driving the wing. The drive member is rotatable about a rotation axis between two positions which corresponds to two positions of the wing. A drive motor is connected to the drive member for driving the drive member from the first position to the second position. A spring device is connected to the drive member for driving the drive member from the second position to the first position. The spring device comprises a spring means which is arranged between a stop and a spring seat. The stop has a fixed position relative to the rotation axis of the drive member. The spring seat is arranged on a slidable body so as to move the spring seat relative to the stop. A flexible connecting element is attached to the drive member and to the slidable body of the spring device for allowing a displacement of the slidable body along the elongate guide member so as to prestress the spring means when the drive member is driven from the first position to the second position. The flexible connecting element is arranged adjacent to and outside of the spring means and extends from the drive member substantially parallel with respect to the longitudinal axis of the spring means, is guided over a reversing guide member of the slidable body, and from there extends in a direction opposite to the first part.

IPC 8 full level

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CPC (source: EP)

E05F 1/105 (2013.01); **E05F 15/63** (2015.01); **E05Y 2201/41** (2013.01); **E05Y 2201/422** (2013.01); **E05Y 2201/434** (2013.01); **E05Y 2201/654** (2013.01); **E05Y 2201/67** (2013.01); **E05Y 2800/21** (2013.01); **E05Y 2800/242** (2013.01); **E05Y 2800/252** (2013.01); **E05Y 2900/132** (2013.01); **E05Y 2900/148** (2013.01)

Citation (applicant)

- EP 2009216 A2 20081231 - GEZE GMBH [DE]
- EP 0624703 A1 19941117 - RASMUSSEN KANN IND AS [DK]
- EP 1428965 A2 20040616 - NEUDECKER & JOLITZ GMBH & CO F [DE]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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