

Title (en)
ELECTRIC MOTOR DRIVE WITH CLOSURE SPRING

Title (de)
ELEKTROMOTORISCHER ANTRIEB MIT SCHLIESSFEDER

Title (fr)
ENTRAÎNEMENT À MOTEUR ÉLECTRIQUE AVEC RESSORT DE FERMETURE

Publication
EP 3196392 B1 20240207 (DE)

Application
EP 16203235 A 20161209

Priority
DE 102016200632 A 20160119

Abstract (en)
[origin: CN106978953A] An electromotive drive for a wing, in particular a rotary wing, a door or a window, comprises a housing, an output axle which is rotatably mounted in the housing and can be coupled to the door or window vane or a gantry frame, a motor for driving the driven axle, is tensioned during a respective opening movement of the door or window wing and is released during a respective closing movement of the door or window wing to provide a closing torque, and a control device for controlling the motor. In this case, the control device is designed in such a way that a base closing moment is produced by a corresponding control of the motor during a respective opening movement of the door or window vane by which the respective spring force of the spring unit which is dependent on the opening angle is at least substantially compensated for and at least in the case in that the door or window wing is manually opened and a corresponding opening command is fed to the control device, an additional opening moment is generated.

IPC 8 full level
E05F 1/10 (2006.01); **E05F 3/22** (2006.01); **E05F 15/63** (2015.01)

CPC (source: CN EP)
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E05Y 2400/3015 (2024.05 - CN EP); **E05Y 2900/132** (2013.01 - CN); **E05Y 2900/134** (2013.01 - CN); **E05Y 2900/148** (2013.01 - CN)

Cited by
CN115095246A; CN107882485A

Designated contracting state (EPC)
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DOCDB simple family (publication)
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