

Title (en)

MOTORISED DRIVE DEVICE FOR A DOOR LEAF

Title (de)

MOTORISCHE ANTRIEBSEINRICHTUNG FÜR EIN TORBLATT

Title (fr)

DISPOSITIF DE COMMANDE ENTRAINE PAR UN MOTEUR, POUR UN BATTANT DE PORTE

Publication

EP 0649492 B1 19980902 (DE)

Application

EP 93912627 A 19930628

Priority

- DE 9300560 W 19930628
- DE 4221000 A 19920626

Abstract (en)

[origin: WO9400665A1] A motorised drive device for a door leaf which has a door leaf shaft (6) coupled thereto, to which the drive shaft (26) of a drive motor unit (5) contained in a drive housing (25) is connected via a torque transmission device contained in a gear casing (2, 3), which has an input shaft (7) connected to the drive shaft (26) of the drive motor unit (5) and an output shaft (8) connected to the door leaf shaft (6) which, looking perpendicularly to the longitudinal axis of these shafts (7, 8), is at a distance from the input shaft amounting to a multiple of the sum of the half-diameters of the intercoupled gear wheels arranged on these shafts. To reduce the torque-determined holding load for the drive unit (5), the drive casing (25) of the drive motor unit (5) is maintained fixed and secured (29, 30) to the transmission casing (2, 3) of the torque transmission device so as not to rotate in such a way that torques between the door leaf shaft (6) and the drive shaft (26) are exerted in the manner of a rigid lever.

IPC 1-7

E06B 9/70; E05F 15/10; E05F 15/16; F16H 57/02

IPC 8 full level

E06B 9/56 (2006.01); **E05F 15/10** (2006.01); **E05F 15/16** (2006.01); **E05F 15/668** (2015.01); **E06B 9/70** (2006.01); **F16H 7/00** (2006.01); **F16H 57/02** (2006.01)

CPC (source: EP)

E05F 15/668 (2015.01); **E05F 15/684** (2015.01); **E06B 9/70** (2013.01); **E05Y 2201/646** (2013.01); **E05Y 2201/656** (2013.01); **E05Y 2201/716** (2013.01); **E05Y 2800/205** (2013.01); **E05Y 2800/232** (2013.01); **E05Y 2900/00** (2013.01); **E05Y 2900/106** (2013.01)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)

WO 9400665 A1 19940106; AT E170592 T1 19980915; DE 4221000 A1 19940113; DE 4221000 C2 19950921; DE 59308961 D1 19981008; DK 0649492 T3 19981109; EP 0649492 A1 19950426; EP 0649492 B1 19980902; ES 2119901 T3 19981016; JP H07508571 A 19950921

DOCDB simple family (application)

DE 9300560 W 19930628; AT 93912627 T 19930628; DE 4221000 A 19920626; DE 59308961 T 19930628; DK 93912627 T 19930628; EP 93912627 A 19930628; ES 93912627 T 19930628; JP 50195194 A 19930628