

Title (en)

Electromechanical drive for rotary column moving the leaf of a swinging door on a vehicle, especially a mass-transit vehicle.

Title (de)

Elektromechanischer Antrieb für eine Drehsäule zur Bewegung eines Türflügels einer Innenschwenk- oder Aussenschwingtür an einem Fahrzeug, insbesondere einem öffentlichen Verkehrsmittel

Title (fr)

Actionnement électromécanique pour tourillon pour le mouvement du battant d'une porte palière d'un véhicule notamment d'un véhicule de transport public.

Publication

EP 1072749 B1 20041201 (DE)

Application

EP 00111235 A 20000525

Priority

DE 19927169 A 19990615

Abstract (en)

[origin: DE19927169A1] The operating drive has an electric motor (1) coupled to a pivot column for the vehicle door via an intermediate drive coupling, with an emergency operating device allowing the drive coupling between the motor and the pivot column to be released. The drive coupling uses a cogwheel drive (2) with a drive spline (2.2) engaging a cog segment of the pivot column and a driven cogwheel (2.1) cooperating with a drive spline (1.2) of the electric motor, which is disengaged by a pivot movement of the carrier plate (4) on which the motor is mounted.

IPC 1-7

E05F 15/12

IPC 8 full level

E05D 15/30 (2006.01); **E05F 15/12** (2006.01); **E05F 15/603** (2015.01)

CPC (source: EP)

E05D 15/30 (2013.01); **E05F 15/603** (2015.01); **E05F 15/614** (2015.01); **E05Y 2201/246** (2013.01); **E05Y 2201/434** (2013.01); **E05Y 2201/448** (2013.01); **E05Y 2201/716** (2013.01); **E05Y 2400/3013** (2024.05); **E05Y 2600/13** (2013.01); **E05Y 2600/32** (2013.01); **E05Y 2800/21** (2013.01); **E05Y 2800/22** (2013.01); **E05Y 2800/25** (2013.01); **E05Y 2800/262** (2013.01); **E05Y 2900/00** (2013.01); **E05Y 2900/51** (2013.01)

Cited by

CN107461104A; ITTO20090053A1; EP2213823A3; EP3686388A4; EP2213823A2; US8484892B2; EP1516984A2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1072749 A2 20010131; **EP 1072749 A3 20010418**; **EP 1072749 B1 20041201**; AT E283959 T1 20041215; DE 19927169 A1 20001221; DE 50008809 D1 20050105; ES 2231073 T3 20050516

DOCDB simple family (application)

EP 00111235 A 20000525; AT 00111235 T 20000525; DE 19927169 A 19990615; DE 50008809 T 20000525; ES 00111235 T 20000525