

Title (en)
Door drive for an automatic door

Title (de)
Türantrieb für eine automatische Tür

Title (fr)
Actionnement de porte pour une porte automatique

Publication
EP 1894877 A3 20080521 (DE)

Application
EP 07114135 A 20070810

Priority
DE 102006040232 A 20060828

Abstract (en)
[origin: EP1894877A2] The drive has a brushless direct current motor (10) e.g. permanently-excited synchronous motor, generating drive power, and a belt drivewheel (12) controlling a tough toothed belt (16) that transmits the power to the door panels (2, 3). An actuation device controls the motor, and comprises a digital magnetic absolute value sensor for generating an angular signal proportional to an angle of rotation of the motor. A commutation circuit commutates the motor, to which the signal from the sensor is fed, where the signal from the sensor is fed to a door position controller as an input variable.

IPC 8 full level
B66B 13/08 (2006.01); **B66B 13/14** (2006.01)

CPC (source: EP US)
B66B 13/08 (2013.01 - EP US); **B66B 13/143** (2013.01 - EP US); **E05Y 2400/326** (2013.01 - EP US)

Citation (search report)

- [XY] JP 2006197750 A 20060727 - MITSUBISHI ELECTRIC ENG
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- [Y] US 2004145330 A1 20040729 - MASLOV BORIS A [US], et al

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1894877 A2 20080305; EP 1894877 A3 20080521; EP 1894877 B1 20100505; AT E466806 T1 20100515; DE 102006040232 A1 20080313; DE 502007003643 D1 20100617; ES 2345123 T3 20100915; PT 1894877 E 20100526; US 2008047200 A1 20080228

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EP 07114135 A 20070810; AT 07114135 T 20070810; DE 102006040232 A 20060828; DE 502007003643 T 20070810; ES 07114135 T 20070810; PT 07114135 T 20070810; US 89593007 A 20070828