

Title (en)
DRIVE FOR A SLIDING DOOR

Title (de)
ANTRIEB FÜR EINE SCHIEBETÜR

Title (fr)
DISPOSITIF D'ENTRAÎNEMENT CON U POUR UNE PORTE COULISSANTE

Publication
EP 1639220 B1 20100217 (DE)

Application
EP 04731912 A 20040510

Priority
• EP 2004004979 W 20040510
• DE 10321037 A 20030510

Abstract (en)
[origin: WO2004099543A1] A drive for a sliding door (1) comprises a drive motor (5), which has a rotating drive element (4) that is coupled to a sliding door sash in order to drive the sash in horizontal directions of movement (A-A). In order to move it in horizontal direction, said door sash (1) is guided on a guide track (3). The door sash (1) is guided on the guide track (3) via a guiding element (2) having a surface (9), which extends in the direction of movement and which has a length that is at least equal to the desired movement distance. The surface (9) is engaged with a friction wheel (4), which forms the drive element of the drive motor (5) and which is pretensioned against the surface (9) by resilient devices (6).

IPC 8 full level
E05F 15/14 (2006.01)

CPC (source: EP US)
E05F 15/635 (2015.01 - EP US); **E05F 15/641** (2015.01 - EP US); **E05Y 2201/674** (2013.01 - EP US); **E05Y 2201/684** (2013.01 - EP US); **E05Y 2800/28** (2013.01 - EP US)

Citation (examination)
DE 10132161 A1 20030123 - OTIS ELEVATOR CO [US]

Cited by
WO2018017024A1

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

DOCDB simple family (publication)
WO 2004099543 A1 20041118; AT E458116 T1 20100315; DE 10321037 A1 20041202; DE 10321037 B4 20090205; DE 502004010768 D1 20100401; EP 1639220 A1 20060329; EP 1639220 B1 20100217; US 2008010901 A1 20080117

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