

Title (en)  
Driving device for sliding doors

Title (de)  
Antrieb für Schiebetüren

Title (fr)  
Entraînement pour portes coulissantes

Publication  
**EP 1978196 A3 20121031 (EN)**

Application  
**EP 08153038 A 20080319**

Priority  
ES 200700632 U 20070322

Abstract (en)  
[origin: EP1978196A2] The driving device for sliding doors, comprising a rack (1) integral with the sliding door, a driving pinion (2) engaged with said rack (1) driven by a motor (3) integral with said pinion (2), that is vertically movable, and it is characterised in that the pinion (2) or the motor (3) are linked with a spring (4) that presses said pinion (2) against the rack (1), engaging the pinion (2) with the rack (1). It permits to guarantee a pressure engagement of the pinion with the rack and permits to absorb the irregularities in the height of the rack, permitting therefore the fixation of the rack to the sliding door to be carried out at the factory, that guarantees a better quality and a decrease of the cost, because the final adjustment is not carried out at the building site.

IPC 8 full level  
**E05F 15/14** (2006.01)

CPC (source: EP US)  
**E05F 15/635** (2015.01 - EP US); **E05Y 2201/214** (2013.01 - EP US); **E05Y 2201/244** (2013.01 - EP US); **E05Y 2201/716** (2013.01 - EP US); **E05Y 2201/722** (2013.01 - EP US); **E05Y 2600/10** (2013.01 - EP)

Citation (search report)  
• [XAYI] DE 202005011161 U1 20051229 - HOERMANN KG ANTRIEBSTECHNIK [DE]  
• [XY] FR 2853683 A1 20041015 - PORTE AUTOMATIQUE SERVICE [FR]  
• [X] FR 2752871 A1 19980306 - LEGOFF JOSEPH [FR]  
• [Y] FR 2050854 A5 19710402 - FAIVELEY ETS

Cited by  
CN109898949A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 1978196 A2 20081008**; **EP 1978196 A3 20121031**; **EP 1978196 B1 20161228**; ES 1065113 U 20070616; ES 1065113 Y 20070916; ES 2621628 T3 20170704

DOCDB simple family (application)  
**EP 08153038 A 20080319**; ES 08153038 T 20080319; ES 200700632 U 20070322