

Title (en)  
MIDDLE DOOR CLOSING DEVICE

Title (de)  
MITTELTÜR-ZUZIEHVORRICHTUNG

Title (fr)  
DISPOSITIF DE FERMETURE DE PORTE CENTRALE

Publication  
**EP 2625364 B1 20160907 (DE)**

Application  
**EP 11830243 A 20111006**

Priority  
• DE 102010047485 A 20101006  
• DE 2011001806 W 20111006

Abstract (en)  
[origin: WO2012045304A2] The invention relates to a middle door shutting device with a pair of pulling and braking devices consisting of two pulling and braking devices, wherein each pulling and braking device comprises a carry-along element which is movable between a parking position, secured in a frictional and/or interlocking manner, and an end position with a rechargeable energy accumulator being discharged and with a displacement space of a cylinder/piston unit being reduced in size. Each carry-along element comprises a pull surface and a push surface which is offset with respect to the pull surface, the central normal vectors of which point in at least approximately opposite directions. In addition, the mutually facing pull and push surfaces of the two carry-along elements in each case form a pair of contacts at least in a partial stroke of the pulling and braking device. The present invention produces a middle door shutting device with which the middle door can be shut in two directions.

IPC 8 full level  
**E05F 1/16** (2006.01); **E05F 5/00** (2006.01)

CPC (source: EP)  
**E05F 1/16** (2013.01); **E05F 5/003** (2013.01); **E05Y 2800/21** (2013.01); **E05Y 2800/24** (2013.01); **E05Y 2800/75** (2013.01); **E05Y 2900/00** (2013.01); **E05Y 2900/20** (2013.01)

Cited by  
EP3988754A1

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

DOCDB simple family (publication)  
**DE 102010047485 A1 20120412**; EP 2625364 A2 20130814; EP 2625364 B1 20160907; ES 2605778 T3 20170316; WO 2012045304 A2 20120412; WO 2012045304 A3 20121004

DOCDB simple family (application)  
**DE 102010047485 A 20101006**; DE 2011001806 W 20111006; EP 11830243 A 20111006; ES 11830243 T 20111006