

Title (en)

Return and damping device for sliding doors, drawers and the like

Title (de)

Rückführungs- und Federungsvorrichtung für Schiebetüren, Schubladen und dergleichen

Title (fr)

Dispositif de retour et d'amortissement pour portes coulissantes, tiroirs et similaires

Publication

EP 2136021 A2 20091223 (EN)

Application

EP 09162794 A 20090616

Priority

IT RM20080320 A 20080618

Abstract (en)

A return and damping device for sliding doors, drawers and the like comprising a sliding rail or profile for sliding shutters 204 and a shutter 200, between which the device is interposed to accompany the shutter or door to be received at the full opening or closing stop position of the shutter. Said damping device 1 comprises a shock absorber 4 of the piston type, connected by a first end 42 to the rail and pivotally at the second end 41 to a hook 5. The hook 5 is adapted to slide in a guide between a first position, in which the shock absorber 4 is retracted and the door is in a distal position, and a second position in which the shock absorber is extended and the door is in a proximal position with respect to the device 1. The hook 5 is adapted to keep the door blocked. In particular, it is caused by the guide to rotate about said end 41 close to the sliding position in which the shock absorber is retracted, so as to release the shutter, while in some intermediate positions until the extended position of the shock absorber, the door remains secured to the hook which, by cooperating with the shock absorber, accompanies it in a damped manner to the full opening or closing.

IPC 8 full level

E05F 5/00 (2006.01); **E05F 1/16** (2006.01)

CPC (source: EP)

E05F 1/16 (2013.01); **E05F 5/003** (2013.01); **E05Y 2201/21** (2013.01); **E05Y 2201/256** (2013.01); **E05Y 2201/264** (2013.01); **E05Y 2201/478** (2013.01); **E05Y 2600/45** (2013.01); **E05Y 2800/24** (2013.01); **E05Y 2800/742** (2013.01); **E05Y 2900/132** (2013.01); **E05Y 2900/146** (2013.01)

Cited by

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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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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