

Title (en)

Shock absorbing stopping device for sliding panels and doors

Title (de)

Stoßdämpfende Stoppvorrichtung für Schiebepaneele und -Türen

Title (fr)

Dispositif d'arrêt d'absorption des chocs pour panneaux et portes coulissants

Publication

EP 2048311 A2 20090415 (EN)

Application

EP 08002809 A 20080215

Priority

IT MI20070337 U 20071010

Abstract (en)

A shock absorbing stopping device (10) for sliding panels, combined with metal section bars wherein carriages (68) fixed to said doors slide, comprises a footing or plate-shaped support (12), made of metal or other suitable material and of substantially rectangular shape, wherealong a shock absorbing piston (16) of the silicone, air or equivalent type is arranged in longitudinal direction; said piston interacts with a spring (52) which develops about the piston itself along two opposite sides and a head of the same. At the opposite sides thereof, the spring (52) engages with a pin (46) arranged transversally in a linear slot (28) obtained along a kerf (30) obtained in the central-front side of the support (12), orthogonal to the footing (12).

IPC 8 full level

E05F 5/00 (2006.01)

CPC (source: EP)

E05F 1/16 (2013.01); **E05F 5/003** (2013.01); **E05Y 2600/45** (2013.01); **E05Y 2800/24** (2013.01); **E05Y 2900/20** (2013.01)

Citation (applicant)

- GB 2416294 A 20060125 - NIFCO INC [JP]
- EP 1640540 A1 20060329 - SHIMODAIRA HARDWARE CO LTD [JP]

Cited by

ITMI20131596A1; EP2330268A3; JP2013096203A; EP3045642A1; EP3045076A1; CN105927086A; DE102010007128A1; EP2354407A3; DE102010007128B4

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2048311 A2 20090415; **EP 2048311 A3 20091104**; **EP 2048311 B1 20110518**; AT E510098 T1 20110615; IT MI20070337 U1 20090411

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