

Title (en)
Device for stopping with shock absorption and stabilizing sliding doors and shutters

Title (de)
Stossdämpfende und stabilisierende Stoppvorrichtung für Schiebetüren und -läden

Title (fr)
Dispositif d'arrêt amortissant et stabilisant pour portes et volets coulissantes

Publication
EP 1640537 A2 20060329 (EN)

Application
EP 05019200 A 20050905

Priority
IT MI20040445 U 20040928

Abstract (en)
A device (10-10') for stopping with shock absorption and stabilizing sliding doors and shutters (14-62), cooperating with a carriage (12-60) provided with framework 22 fixed to said doors and shutters, rollers or guide shoes (18-70) connected to support (28) and mounted in a section bar (16) whose down-facing side features a central slot (20) running along its length, comprises a support base unit (30-72) having two opposed and aligned arms (32-34), (76-78), protruding from the anterior side facing carriage (12-60) and bearing, at the free end, a boss or cam (38-82) kept in tension by one or more springs (46-90), said base unit (30-72) comprising elastic and shock absorbing elements (50-51) partly protruding from the base unit itself at the side facing the carriage (12-60).

IPC 8 full level
E05B 65/08 (2006.01)

CPC (source: EP)
E05B 65/0829 (2013.01); **E05F 5/027** (2013.01); **E05B 17/0045** (2013.01); **E05F 5/003** (2013.01); **E05Y 2800/174** (2013.01); **E05Y 2900/132** (2013.01); **E05Y 2900/146** (2013.01)

Cited by
WO2018019415A1; IT201600078974A1; ITMI20101891A1; EP2853671A1; ITRN20100003A1; FR2915225A1; JP2015068128A; EP2055872A1; FR2923251A1; EP2317042A1; FR2952107A1; EP3680434A1; IT201900000421A1; EP2899350A1; RU2667137C2; US7775755B2; US8182052B2; US8491065B2; EP2765265A1

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

DOCDB simple family (publication)
EP 1640537 A2 20060329; **EP 1640537 A3 20070214**; **EP 1640537 B1 20080109**; AT E383482 T1 20080115; DE 602005004216 D1 20080221; IT MI20040445 U1 20041228

DOCDB simple family (application)
EP 05019200 A 20050905; AT 05019200 T 20050905; DE 602005004216 T 20050905; IT MI20040445 U 20040928