

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 A3 20070214 (EN)

Application
EP 05019200 A 20050905

Priority
IT MI20040445 U 20040928

Abstract (en)
[origin: EP1640537A2] 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)

Citation (search report)
• [X] WO 0055460 A1 20000921 - HAWA AG [CH], et al
• [X] CH 657415 A5 19860829 - HAAB KARL, et al
• [X] EP 0877138 A1 19981111 - RENAULT [FR]
• [X] DE 202004001068 U1 20040318 - HETTICH HEINZE GMBH & CO KG [DE]

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

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Designated extension state (EPC)
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EP 1640537 A2 20060329; **EP 1640537 A3 20070214**; **EP 1640537 B1 20080109**; AT E383482 T1 20080115; DE 602005004216 D1 20080221; IT MI20040445 U1 20041228

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