

Title (en)

Stopping and damping device for carriage units of sliding doors of buildings or furniture and the like

Title (de)

Anhalte- und Dämpfungsvorrichtung für Transporteinheiten von Schiebetüren von Gebäuden oder Möbeln und dergleichen

Title (fr)

Dispositif d'arrêt et d'amortissement pour unités de chariot de portes coulissantes de bâtiments ou d'ameublement et analogues

Publication

**EP 2899350 A1 20150729 (EN)**

Application

**EP 15000169 A 20150121**

Priority

IT RN20140008 A 20140123

Abstract (en)

A stopping and damping device for carriage units of sliding doors of buildings or furniture and the like comprises a body (10) mounted in a rail (2) and a retaining device (12) for retaining a carriage (3) which guides and supports elements (4) of sliding doors of buildings or furniture. A retaining lever (120) is movable about an axis of rotation (121) on the body (10) between a first end position and a second end position, the rotation of the retaining lever (120) in a first direction of rotation (D1) from the first end position to the second end position being opposed by a reaction torque generated by elastic opposing means (122). Contact of a first lever arm (123) of the retaining lever (120) with predetermined portions of the carriage (3) starts the rotation of the retaining lever (120) in the first direction of rotation (D1) and the retaining lever (120), under the action of the elastic opposing means (122), is urged into and caused to adopt a retaining position on the carriage (3).

IPC 8 full level

**E05D 13/00** (2006.01); **E05C 17/60** (2006.01); **E05F 5/00** (2006.01); **E05D 15/06** (2006.01)

CPC (source: EP RU)

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Citation (applicant)

- FR 2979934 A1 20130315 - ARGENT ALU NV [BE], et al
- CA 2331459 A1 20000921 - HAWA AG [CH]
- EP 2128535 A1 20091202 - DAIKIN IND LTD [JP]

Citation (search report)

- [X1] EP 1640537 A2 20060329 - TERNO SCORREVOLI S N C DI TERN [IT]
- [XY1] EP 2672046 A2 20131211 - DORMA GMBH & CO KG [DE]
- [Y] EP 2672041 A2 20131211 - DORMA GMBH & CO KG [DE]

Cited by

EP4144945A1; EP3246500A1; US2017114582A1; US9995078B2; US2021246700A1; US11952816B2; US11976508B2; TWI844915B; EP3523493B1

Designated contracting state (EPC)

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DOCDB simple family (application)

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