

Title (en)

Self-closing slide rail assembly with deceleration mechanism

Title (de)

Selbstschließende Schienenanordnung mit Bremsmechanismus

Title (fr)

Ensemble de rail de coulissement à fermeture automatique avec mécanisme de décélération

Publication

EP 3025615 B1 20180110 (EN)

Application

EP 14195094 A 20141127

Priority

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Abstract (en)

[origin: EP3025615A1] A self-closing slide rail assembly with a deceleration mechanism (16) includes first and second rails (10, 12) and a self-closing mechanism (14), in addition to the deceleration mechanism (16). The self-closing mechanism (14) is mounted to the first rail (10) and includes an elastic member (34) for providing an elastic force in a first direction (D1). The deceleration mechanism (16) includes a deceleration spring (66) for providing an elastic force in an opposite second direction (D2). When the second rail (12) is displaced from an extended position toward a retracted position relative to the first rail (10), the self-closing mechanism (14) automatically drives the second rail (12) toward the retracted position due to the elastic force applied by the elastic member (34). Meanwhile, the elastic force of the deceleration spring (66) serves as a deceleration force, allowing the second rail (12) to move slowly to the retracted position.

IPC 8 full level

A47B 88/40 (2017.01)

CPC (source: EP)

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Cited by

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