

Title (en)

A movement and balancing mechanism for vertical sliding doors

Title (de)

Bewegungs- und Ausgleichsmechanismus für Vertikalschiebetüren

Title (fr)

Mécanisme de mouvement et d'équilibrage pour portes à coulissement vertical

Publication

EP 1074686 A2 20010207 (EN)

Application

EP 00101359 A 20000124

Priority

IT MI991743 A 19990803

Abstract (en)

A movement and balancing mechanism for vertical sliding doors (2) has a return spring (38); to instantly counterbalance a variable force exerted by the spring, which is greater the more the spring is extended, a cable (36) cooperates with the spring and winds round a varying radius profile of an idle wheel (28), so that the moment exerted by the spring on the wheel is kept constant. Preferably, the device includes an idle wheel (16) for winding the cable (12) of the door, coupled to the varying profile wheel (28) through a reduction ratio. Use is particularly envisaged for furniture.
<IMAGE>

IPC 1-7

E05D 13/00; **E05D 13/12**

IPC 8 full level

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CPC (source: EP)

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Cited by

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