

Title (en)

Actuation device with variable balancing for sliding doors of furniture.

Title (de)

Betätigungsvorrichtung mit variablem Gewichtsausgleich für Möbelschiebetüren.

Title (fr)

Dispositif d'actionnement avec contre-balancement pour portes coulissantes de meubles.

Publication

EP 0417822 B1 19931110 (EN)

Application

EP 90202170 A 19900810

Priority

IT 2172989 U 19890915

Abstract (en)

[origin: EP0417822A1] Actuation device with balancing of variable forces, especially for vertically slidable doors in various types of furniture comprising , for each side of the door, a supporting and guiding carriage for the door, slidable on the side of the furniture item along lateral guides, perpendicular to one another, fitted to the side of the furniture and having a horizontal arm pointing towards the back wall, said arm bearing on a wheel suspended from a suspension link, onto which the weight of the door is transferred, said link being, in its turn, articulated to the free end of a rod pivoted on the side of the item of furniture, said free end being also connected to elastic reaction means for the automatic and instantaneous balancing of the weight of the door in whatever position it is situated.

IPC 1-7

E05F 1/16

IPC 8 full level

E05D 15/16 (2006.01); **E05F 1/16** (2006.01)

CPC (source: EP)

E05D 13/1207 (2013.01); **E05D 15/16** (2013.01); **E05D 15/165** (2013.01); **E05Y 2900/20** (2013.01)

Cited by

FR2886969A1; FR2781004A1; EP0976907A3; EP4446546A1; WO2024213514A1; US6243988B1; US7744035B2; WO0181698A1; WO9318263A1; US6523307B2; US6751904B2; US7093349B2

Designated contracting state (EPC)

BE CH DE ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0417822 A1 19910320; **EP 0417822 B1 19931110**; DE 69004534 D1 19931216; DE 69004534 T2 19940224; ES 2045767 T3 19940116; IT 216856 Z2 19911005; IT 8921729 V0 19890915

DOCDB simple family (application)

EP 90202170 A 19900810; DE 69004534 T 19900810; ES 90202170 T 19900810; IT 2172989 U 19890915