

Title (en)
Roller suspension device for a horizontally-sliding door of a piece of furniture

Title (de)
Rollenaufhängevorrichtung für eine horizontale Schiebetür eines Möbels

Title (fr)
Dispositif de suspension de galet pour une porte de meuble coulissant horizontalement

Publication
EP 1355032 A2 20031022 (EN)

Application
EP 03006991 A 20030327

Priority
IT MI20020772 A 20020410

Abstract (en)
The roller suspension device for a horizontally-sliding door leaf of a piece of furniture comprises a stationary track-forming member having an upper and a lower running surface, and a movable leaf-supporting member provided with a leaf-supporting brace projecting from the front of the furniture piece, transversely to the direction of movement of the horizontally-sliding door leaf, and from which said horizontally-sliding door leaf is suspended. The movable leaf-supporting member has at least a pair of first and second co-axial supporting wheels for contacting said lower and upper running surface, respectively, of the track-forming member, and the lower and upper running surfaces in combination produce a pair of non-collinear parallel and oppositely directed reaction forces which act on said first and second co-axial supporting wheels, respectively, of the leaf-supporting member for generating a balancing moment which counterbalances the moment of the gravitational force acting on the horizontally-sliding door leaf.

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CPC (source: EP)
E05D 15/063 (2013.01); **E05D 15/0652** (2013.01); **E05D 15/08** (2013.01); **E05Y 2900/20** (2013.01)

Cited by
EP2259032A1; EP2011943A3; CN108952478A; EP2251657A1; WO2007113655A3; US8299375B2; US8294046B2

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