

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 B1 20091007 (EN)**

Application  
**EP 03006991 A 20030327**

Priority  
IT MI20020772 A 20020410

Abstract (en)  
[origin: EP1355032A2] 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.

IPC 8 full level  
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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  
EP2011943A3; EP2251657A1; EP2259032A1; CN108952478A; WO2007113655A3; US8294046B2; US8299375B2

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