

Title (en)

Retractable hinge for doors, windows or furniture

Title (de)

Einschiebbares Scharnier für Türen, Fenster oder Möbel

Title (fr)

Charnière rétractable pour des portes, des fenêtres ou des meubles

Publication

EP 2390446 A1 20111130 (EN)

Application

EP 11168127 A 20110530

Priority

IT UD20100108 A 20100531

Abstract (en)

Retractable hinge for doors, windows, or furniture, having a movable structure (12), articulated with respect to a fixed structure (13), comprising a first hinging unit (16) and a second hinging unit (17), one able to be associated with said movable structure (12) and the other with said fixed structure (13), or vice versa, and an articulation member (20) able to articulate said two hinging units (16 and 17) with respect to each other and allow their reciprocal rotation around a central axis (Z), first adjustment means (70) able to adjust the reciprocal axial position, parallel to said central axis (Z), of said first hinging unit (16) with respect to said second hinging unit (17), and second adjustment means (80) able to adjust the longitudinal position of at least one of said hinging units (16, 17) with respect to said articulation member (20), along a longitudinal axis (X) perpendicular to said central axis (Z), and third adjustment means (76, 77) able to adjust the transverse position of said articulation member (20) with respect to one of said hinging units (17), along a transverse axis (Y) perpendicular both to said central axis (Z) and to said longitudinal axis (X) The retractable hinge also comprises fourth adjustment means (88, 89) able to also adjust the transverse position of said articulation member (20) with respect to the other one of said hinging units (16), along said transverse axis (Y)

IPC 8 full level

E05D 3/18 (2006.01); **E05D 7/04** (2006.01)

CPC (source: EP)

E05D 3/183 (2013.01); **E05D 3/186** (2013.01); **E05D 7/04** (2013.01); **E05D 7/0423** (2013.01); **E05D 2007/0469** (2013.01); **E05D 2007/0484** (2013.01); **E05Y 2600/41** (2013.01); **E05Y 2600/412** (2013.01); **E05Y 2900/132** (2013.01); **E05Y 2900/20** (2013.01)

Citation (applicant)

- EP 1780357 A2 20070502 - BARTELS SYSTEMBESCHLAEGE GMBH [DE]
- JP 2002121955 A 20020426 - HINTO KINZOKU KK
- DE 102004054708 B3 20060209 - SIMONSWERK GMBH [DE]

Citation (search report)

- [A] EP 1780357 A2 20070502 - BARTELS SYSTEMBESCHLAEGE GMBH [DE]
- [A] JP 2002121955 A 20020426 - HINTO KINZOKU KK
- [A] DE 102004054708 B3 20060209 - SIMONSWERK GMBH [DE]
- [A] EP 2172610 A1 20100407 - SIMONSWERK GMBH [DE]

Cited by

EP3002400A1; ITTV20120105A1; ITRN20110038A1; DE102011050414B3; RU2596976C2; EP3124727A1; CN106401340A; RU2710772C2; ITUD20120171A1; EP2719851A3; EP2581533A1; EP3173560A1; US8621717B2; WO2013179326A1; EP2525032A2; US8683651B2; EP2735679A2; EP2719851A2

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Designated extension state (EPC)

BA ME

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