

Title (en)

Retractable hinge for windows, doors or articles of furniture

Title (de)

Einschiebbares Scharnier für Fenster, Türen oder Möbel

Title (fr)

Charnière rétractable pour fenêtres, portes ou meubles

Publication

EP 2581533 A1 20130417 (EN)

Application

EP 12188173 A 20121011

Priority

IT UD20110160 A 20111012

Abstract (en)

Retractable hinge for doors, windows or articles of furniture, having a mobile structure (12) articulated with respect to a fixed structure (13), comprising a first containing body (15), a second containing body (16), both hollow inside and suitable to be associated, one with said fixed structure (13) and the other with said mobile structure (12) or vice versa. Said hinge also comprises a first hinging unit (21) and a second hinging unit (22) both disposed inside the two containing bodies (15, 16), in an articulated manner with respect thereto, and an articulation member (26) able to articulate them with respect to each other. The first hinging unit (21) comprises a first end (31) pivoted in the second containing body (16) and a second end (41) connected to a first element (48) mounted oscillating inside the first containing body (15). The second hinging unit (22) comprises a first end (32) pivoted in the first containing body (15) and a second end (42) connected to a second element (53) mounted sliding inside a groove (55) of the second containing body (16).

IPC 8 full level

E05D 3/18 (2006.01)

CPC (source: EP)

E05D 3/18 (2013.01); **E05D 3/183** (2013.01); **E05D 3/186** (2013.01); **E05Y 2201/626** (2013.01); **E05Y 2600/41** (2013.01); **E05Y 2800/266** (2013.01); **E05Y 2900/20** (2013.01)

Citation (applicant)

- EP 2390446 A1 20111130 - OTLAV SPA [IT]
- US 3470579 A 19691007 - CENCIONI LIVIO
- DE 173585 C
- DE 810966 C 19510816 - EMIL LUPP FA

Citation (search report)

- [AD] US 3470579 A 19691007 - CENCIONI LIVIO
- [AD] DE 173585 C
- [AD] DE 810966 C 19510816 - EMIL LUPP FA
- [A] US 5062182 A 19911105 - GRIFFITHS GUY G V [GB], et al

Cited by

AT516068A3; AT516068B1; RU2657723C1; US2022316248A1; US11788331B2; EP2781676A1; EP3812545B1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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