

Title (en)

Hinging apparatus for hinging a mobile member with respect to a fixed structure by means of at least one retractable hinge

Title (de)

Einschiebbares Scharnier

Title (fr)

Charnière rétractable

Publication

EP 2719851 A2 20140416 (EN)

Application

EP 13188365 A 20131011

Priority

IT UD20120171 A 20121012

Abstract (en)

Hinging apparatus for hinging a mobile member (12) with respect to a fixed structure (13) by means of at least a retractable hinge (11), wherein the mobile member (12) has a first thickness (S1) and the fixed structure (13) comprises an oblong slit (21) into which an ornamental finishing element (22) is inserted. The fixed structure (13), between the oblong slit (21) and a corresponding external surface (20), has a second thickness (S2), and the retractable hinge (11) comprises a first hinging body (14), suitable to be inserted into a corresponding first cavity (18) of the mobile member (12), a second hinging body (15) suitable to be inserted into a corresponding second cavity (25) of the fixed structure (13), and a hinging mechanism (16) which articulates the two hinging bodies (14 ; 15) with respect to each other so as to allow the mobile member (12) to open with respect to the fixed structure (13) by a determinate angle (\pm). The depth of the second hinging body (15), at least in correspondence with the oblong slit (21), is equal to or less than the second thickness of the fixed structure (13).

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

- EP 2390446 A1 20111130 - OTLAV SPA [IT]
- IT UD20110160 A 20111012
- IT UD20110207 A 20111221
- US 2694216 A 19541116 - MATHEW SCHNUR
- EP 2476836 A1 20120718 - BARTELS SYSTEMBESCHLAEGE GMBH [DE]
- EP 1780357 A2 20070502 - BARTELS SYSTEMBESCHLAEGE GMBH [DE]

Cited by

CN107923202A; JP2017008541A; EP3173560A1; EP3865648A1; IT202000003104A1

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