

Title (en)
COMPACT HINGE DEVICE

Title (de)
KOMPAKTE SCHARNIERVORRICHTUNG

Title (fr)
DISPOSITIF DE CHARNIÈRE COMPACT

Publication
EP 3059365 A1 20160824 (EN)

Application
EP 16155941 A 20160216

Priority
IT UB20150334 A 20150225

Abstract (en)

A compact hinge device comprises at least a body means (3) assigned to be fixed to a vertical member (6) of a frame, upright means, or furniture chassis (8), fittings, furnishings or any kind of works. The compact hinge device further comprises at least a plate means (5, 7) assigned to be fixed to a door means (10), to a panel, or to any kind of doors and windows and it comprises a rectilinear elongated shape pivot means (9) which end portions are assigned to engage respective first housing means (11) of the body means (3) and second housing means (13) of the plate means (5, 7) for the mutual rotation around the longitudinal geometric axis of such pivot means (9). The body means (3) is rectangular plate shaped and a side of in which (3) bears first fixing means (15) assigned to be fixed to the vertical member (6) and the opposite side bears the respective first housing means (11) for the pivot means (9) and bears a recess means (17), aligned to the first housing means (11) and assigned to house a barrel element (19) of the at least one plate means (5, 7) each one housing a respective second housing means (13). The at least one plate means (5, 7) is provided with a respective flat wing means (21) fixed tangentially and offset to the respective barrel element (19). Such flat wing means (21) bears second fixing means (23) for the fixing of the respective plate means (5, 7) to a side of the door (10) orthogonally with respect to the geometrical plane of such door means. In a closing condition (C), the flat wing means (21) is parallel and adjacent to the respective body means (3) keeping a side of the door (10) side by side to the respective body means (3) and keeping such door adjacent and perpendicular to such body means (3). In the opening conditions, the device allows the progressive removal of said side of the door (10) from the vertical member (6) of the furniture (8) and the rotation of said door (10). Each main face of the body means (3) bears a concave seating means (25) and complementary shaped with respect to the flat wing means (21) of the respective plate means (5, 7) and assigned to house at least partially the latter (5, 7) in the respective closing condition. The two seating means (25) of a body means (3), are separated by a wall means (27) of the body means (3), the free edge (29) of said wall means (27) is parallel to the pivot means (9) and side by side to the recess means (17).

IPC 8 full level
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Citation (search report)

- [XA] FR 1323744 A 19630412
- [A] EP 1571280 A2 20050907 - PADDOCK FABRICATIONS LTD [GB]

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