

Title (en)

Tamper-proof hinge device, especially for the articulated fitting of a lid of a rolling container.

Title (de)

Nichtzerlegbare Scharniervorrichtung, insbesondere für die gelenkige Montage eines Deckels auf einen berädeten Behälter.

Title (fr)

Dispositif de charnière inviolable, notamment pour le montage articulé d'un couvercle sur une cuve de bac roulant.

Publication

EP 0178211 A1 19860416 (FR)

Application

EP 85401828 A 19850919

Priority

FR 8414355 A 19840919

Abstract (en)

1. A tamper-proof hinge device, especially for the articulated fitting of a lid of a rolling container bin, comprising an axis stem (1) mounted on one of two end bearings (8), formed each in a flange (7a, 7b) rigidly connected to a rolling container lid, a socket (6) surrounding coaxially said stem and disposed between the two bearings, said stem including at least one resilient lug (4) adapted for moving away radially from the body of said stem, said socket including in its inner recess a zone (10, 14, 15, 18) the section of which allows the expansion of said lug or lugs, and an axial bearing surface (11, 16, 19) for the resilient lug or lugs in the expansion position of said zone of the socket recess, characterized by the fact that said axis stem (1) is mounted in the two end bearings (8), has a length superior to the distance between said bearings, the resilient lug or lugs (4) being provided in the vicinity of the central portion of the stem, and said axial bearing surface (11, 16, 19) being provided at a distance from the ends of the socket (6) in the vicinity of the central portion of the recess (10, 12, 13, 17) of said socket.

Abstract (fr)

Le dispositif de charnière comprend une tige d'axe (1) présentant une longueur supérieure à la distance entre des paliers d'extrémité correspondants (8), formés notamment dans des flasques (7a, 7b), solidaires d'un couvercle de bac roulant, au moins une douille (6) entourant coaxialement ladite tige entre lesdits paliers, ladite tige comportant au voisinage de sa partie centrale au moins une patte élastique (4) apte à s'écarter radialement du corps de ladite tige, ladite douille comportant dans son évidement intérieur au moins une zone (10) dont la section permet l'expansion de la ou desdites pattes et qui présente à distance des extrémités de la douille une portée d'appui axial (11) pour la ou lesdites pattes élastiques en position d'expansion dans ladite zone de l'évidement de la douille.

IPC 1-7

E05D 5/12; **E05D 9/00**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] FR 2413290 A1 19790727 - OTTO GEB KG [DE]
- [A] FR 2032373 A1 19701127 - AMERICAN STANDARD INC [US]
- [AD] FR 2387865 A1 19781117 - OTTO GEB KG [DE]

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