

Title (en)

Device for securing a body to the leg of a support structure.

Title (de)

Vorrichtung zur Befestigung eines Elementes am Stützrohr einer Stützkonstruktion.

Title (fr)

Dispositif pour fixer un élément au montant d'une structure porteuse.

Publication

EP 0058042 A1 19820818 (EN)

Application

EP 82300533 A 19820202

Priority

CA 370175 A 19810206

Abstract (en)

For use to secure bodies to legs (24) of a support structure,, the combination of a housing (82) secured to a leg (24) of a support structure, the housing (82) comprising a wall spaced from the leg and having an aperture therethrough, the housing opening from opposite directions, a body for securing to the wall, the body having, upper and lower portions, a shank portion (100) extending from one end thereof for projecting through the aperture (90) of the wall (84) with the upper portion of the body over the lower portion, and a wall engaging ledge or flange (98) between the body and shank (100) portion for abutting the wall of the housing when the shank portion (100) is inserted through the aperture (90), the shank (100) portion including at least one sloped surface extending transverse the shank and sloping from the upper portion to the lower portion toward the ledge or flange, and a wedge (108) having at least one complementary sloped cooperating surface corresponding to the at least one sloped surface, and having a thickness at one end substantially the distance between the wall and the at least one sloped surface when the shank (100) is inserted through the aperture (90) and the ledge or flange (98) abuts the wall, and of a thickness proximate its other end slightly greater than the distance between the wall and the at least one sloped surface to cause the body to be locked to the wall when the at least one complementary sloped surface of the wedge is applied to the at least one sloped surface on the shank and the wedge is pushed in. In support structures carrying in combination at least one screw jack comprising a screw jack nut, the screw jack nut having at least one step and a handle spaced from the step of the nut closest the handle to provide a space between the handle and step. and means for securing the screw jack nut to the support structure to permit full rotation of the screw jack nut to the vertical legs of the support structure including means to engage the screw jack nut vertically between the handle and the step closest the handle, but not interfere with the full rotation of the screw jack nut.

IPC 1-7

E04G 11/48; **E04G 5/02**

IPC 8 full level

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CPC (source: EP)

E04G 5/02 (2013.01); **E04G 5/16** (2013.01); **E04G 7/02** (2013.01)

Citation (search report)

- US 3835612 A 19740917 - BEZIAT B
- DE 2237698 B2 19750710
- DE 1935739 U 19660331 - RUDOLF BROESECKE FA [DE]
- GB 1079653 A 19670816 - ACCESS EQUIPMENT LTD
- GB 1588942 A 19810507 - ACCESS PLANT

Cited by

GB2167155A; GB2171165A; US4476958A; GB2324329A; US4516661A; GB2490941A; CN114837096A; CN114341448A; EP0408210A3; GB2234776A; GB2234776B

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