

Title (en)

CLIP FIXTURE FOR THE FAST ASSEMBLY OF FITTINGS, SUCH AS SWIVELING LEVER-TYPE CLOSURES AND HINGE PARTS, IN BREAKTHROUGHS OF A THIN WALL

Title (de)

KLIPSBEFESTIGUNG FÜR DIE SCHNELLMONTAGE VON BESCHLAGEINRICHTUNGEN, WIE SCHWENKHEBELVERSCHLÜSSE, SCHARNIERTEILE IN DURCHBRÜCHEN IN EINER DÜNNEN WAND

Title (fr)

DISPOSITIF DE FIXATION PAR CLIPS PERMETTANT LE MONTAGE RAPIDE DE SYSTEMES D'ARMATURE TELS QUE DES FERMETURES A LEVIER PIVOTANT, DES PARTIES DE CHARNIERE, DANS DES OUVERTURES D'UNE FINE PAROI

Publication

EP 1711673 B1 20110706 (DE)

Application

EP 05707016 A 20050126

Priority

- EP 2005000755 W 20050126
- DE 202004001161 U 20040126
- DE 202004003238 U 20040227

Abstract (en)

[origin: WO2005071192A1] The invention relates to a clip fixing element for the assembly of fixture devices such as socket wrench locks, swivel lever locks (10), hinge parts (80, 82), handles, holding cleat for doorstops or latches in openings (12, 14) in a thin wall (16, 50), comprising a head part (24) that is to be arranged on the outer side (18) of the thin wall (16) and which covers the outer edge (20) of the opening, a trunk part (26, 28, 30, 32) that penetrates the opening in assembled state departing from said head part and retaining elements (36) which yield against the force of a spring projecting from said trunk part in the direction of its outer surface, wherein the free ends of the retaining elements have a slanted surface (38) for providing backlash-free support of the trunk part on the border or edge (40) of the opening of the other inner side (42) of the thin wall (16), wherein the trunk part (26, 28, 30,32), the retaining element (36) and the spring producing the spring force are separate parts.

IPC 8 full level

E05D 5/02 (2006.01); **E05B 9/08** (2006.01); **E05D 7/12** (2006.01); **E05B 1/00** (2006.01); **E05D 5/06** (2006.01)

CPC (source: EP US)

E05B 9/08 (2013.01 - EP US); **E05B 1/0092** (2013.01 - EP US); **Y10S 411/913** (2013.01 - EP US); **Y10T 70/7655** (2015.04 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005071192 A1 20050804; WO 2005071192 B1 20051020; AT E515617 T1 20110715; AT E527419 T1 20111015; AT E555266 T1 20120515; CN 101736939 A 20100616; CN 101736939 B 20130320; DE 112005000142 A5 20070524; DE 112005000145 D2 20061026; EP 1709269 A1 20061011; EP 1709270 A1 20061011; EP 1709270 B1 20120425; EP 1711673 A1 20061018; EP 1711673 B1 20110706; EP 1845222 A2 20071017; EP 1845222 A3 20080430; EP 1845222 B1 20111005; EP 1849937 A2 20071031; EP 1849937 A3 20080430; HK 1101421 A1 20071018; PL 1711673 T3 20111230; RU 2006127106 A 20080310; RU 2341634 C2 20081220; US 2007175252 A1 20070802; US 2007271735 A1 20071129; US 7690083 B2 20100406; US 9617754 B2 20170411; WO 2005071194 A1 20050804; WO 2005071194 B1 20050915; WO 2005071199 A1 20050804; WO 2005071199 A9 20051020; WO 2005071199 B1 20050915

DOCDB simple family (application)

EP 2005000728 W 20050126; AT 05707016 T 20050126; AT 05715211 T 20050126; AT 07010100 T 20050126; CN 200910211528 A 20050126; DE 112005000142 T 20050126; DE 112005000145 T 20050126; EP 05707010 A 20050126; EP 05707016 A 20050126; EP 05715211 A 20050126; EP 07010100 A 20050126; EP 07010668 A 20050126; EP 2005000731 W 20050126; EP 2005000755 W 20050126; HK 07106187 A 20070611; PL 05707016 T 20050126; RU 2006127106 A 20050126; US 58735205 A 20050126; US 58736705 A 20050126