

Title (en)

FASTENING DEVICE FOR INSTALLING A FITTING IN A HOLED THIN WALL

Title (de)

BEFESTIGUNGSEINRICHTUNG ZUR MONTAGE EINES BESCHLAGES IN EINER GELOCHTEN DÜNNEN WAND

Title (fr)

DISPOSITIF DE FIXATION PERMETTANT LE MONTAGE D'UNE FERRURE DANS UNE PAROI MINCE MUNIE D'UN TROU

Publication

EP 3004663 A1 20160413 (DE)

Application

EP 14728085 A 20140509

Priority

- DE 202013005158 U 20130607
- EP 2014001257 W 20140509

Abstract (en)

[origin: WO2014194976A1] The invention relates to a fastening device (10) for installing a fitting, such as a hook, a grip, a hinge, a thin wall part, or a retaining clip (12), in a hole (16) in a thin wall (14), the fastening device comprising a head region (18) having fitting parts attached thereto, such as a hook end, grip, hinge part, or retaining ears (20, 20') for clamping or encompassing two clip regions (22, 22') of the retaining clip (12) between the retaining ears (20, 20') and the thin wall (14) or for clamping the thin wall part between the head and the thin wall, a body region (24), which extends from the head region (18) and which penetrates the hole (16) in the installed state, from an end (26) of which body region two spring legs (28, 28') directed backwards toward the thin wall (14) extend, which are supported on two diametrically opposite, parallel edges (32, 32') of the hole (16) by means of angled foot-like ends (30), wherein the fastening device (10) forms guide strips (38, 38') laterally protruding from the body region (24), which guide strips are guided in suitable notches (40, 40') between the opposite edges (32, 32') of the hole (16) in the thin wall (14).

IPC 8 full level

F16B 21/08 (2006.01); **F16B 9/02** (2006.01); **F16B 45/00** (2006.01)

CPC (source: EP US)

F16B 21/086 (2013.01 - EP US); **F16B 45/008** (2021.05 - US); **F16B 9/023** (2022.02 - EP); **F16B 45/00** (2013.01 - EP)

Citation (search report)

See references of WO 2014194976A1

Citation (examination)

US 2008141501 A1 20080619 - KURODA TAKESHI [JP]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 202013005158 U1 20140908; CN 105452681 A 20160330; EP 3004663 A1 20160413; US 2016123367 A1 20160505; US 9689414 B2 20170627; WO 2014194976 A1 20141211; WO 2014194976 A4 20150122

DOCDB simple family (application)

DE 202013005158 U 20130607; CN 201480032500 A 20140509; EP 14728085 A 20140509; EP 2014001257 W 20140509; US 201414896129 A 20140509