

Title (en)
HIDDEN FASTENER UNIT AND RELATED METHOD OF USE

Title (de)
VERSTECKTE BEFESTIGUNGSEINHEIT UND VERWANDTE VERWENDUNG

Title (fr)
UNITÉ DE FIXATION CACHÉE ET SON PROCÉDÉ D'UTILISATION

Publication
EP 3669036 B1 20230301 (EN)

Application
EP 18750041 A 20180719

Priority

- US 201762545709 P 20170815
- US 201862635745 P 20180227
- US 201862674247 P 20180521
- US 201816011179 A 20180618
- US 201816011213 A 20180618
- US 2018042823 W 20180719

Abstract (en)
[origin: WO2019036146A1] A fastener unit (10; 110) and related method for securing a board (101) to a support (106) is provided. The fastener unit includes a spacer block (20; 120), a grip element (30; 130) extending from the spacer block and configured to fit in and engage a groove (103) of the board, and one or more resilient compression elements (41, 42; 141, 142) extending from the spacer block. The one or more resilient compression elements can be a joist leg configured to engage a joist (106), or it can be vertically compressible toward a first plane that is transverse to a vertical axis of the spacer block so that portions of it can compress from an open mode to a compressed mode and fit within, then forcibly expand within the groove (103), thereby securing the spacer block in a position adjacent the groove to establish a gap between the board and another board. A related method of use also is provided.

IPC 8 full level
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CPC (source: EP)
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Citation (examination)

- US 6647638 B1 20031118 - DOYAL ERIC [US]
- DE 202009003138 U1 20100729 - REHAU AG & CO [DE]
- WO 2017130107 A1 20170803 - SALAG SP Z O O SP K [PL]

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