

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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