

Title (en)

Fastening means for roof tiles

Title (de)

Dachpfannensicherung

Title (fr)

Moyen de fixation pour tuiles de toiture

Publication

EP 0761900 A1 19970312 (DE)

Application

EP 96112755 A 19960808

Priority

- DE 19529576 A 19950811
- DE 19533167 A 19950908
- DE 19605985 A 19960217
- DE 19616264 A 19960424

Abstract (en)

The clasp (3), on engaging over the roof pantile with the stirrup, engages behind the roof lath with which it forms a positive engagement. The connection of the clasp with the stirrup to form a structural unit is by a rib (6), the profile of which is reinforced against bending. The quadratic to rectangular profile of the stirrup is reinforced at least along the stirrup rib with a rib profile. The rib profile, starting from the root of the rib (8) of the stirrup, reaches over a part (1) of the stirrup arm. The structural unit comprising clasp and stirrup is E-shaped.

Abstract (de)

Bei einer Dachpfannensicherung (1) durch einen Bügel (2), der mit der Dachlatte verbunden wird und die Dachpfanne übergreift, kennzeichnet die Erfindung sich durch eine Spange (3), die eine Baueinheit (1) mit dem Bügel (2) bildet, wobei die Spange (3) beim Übergreifen der Dachpfanne mit dem Bügel (2) die Dachlatte hintergreift und eine kraftschlüssige Verbindung mit der Dachlatte eingeht. <IMAGE>

IPC 1-7

E04D 1/34; **E04D 13/10**

IPC 8 full level

E04D 1/34 (2006.01); **E04D 13/10** (2006.01)

CPC (source: EP US)

E04D 1/34 (2013.01 - EP US); **E04D 13/10** (2013.01 - EP); **E04D 2001/3414** (2013.01 - EP US); **E04D 2001/3417** (2013.01 - EP US); **E04D 2001/3458** (2013.01 - EP US); **E04D 2001/3473** (2013.01 - EP US); **E04D 2001/3494** (2013.01 - EP US)

Citation (search report)

- [XAY] DE 9016795 U1 19910228
- [XA] FR 555073 A 19230623 - EMENJON & CIE D
- [YA] EP 0298005 A1 19890104 - HERAUD JEAN MICHEL
- [A] FR 634547 A 19280220
- [A] DE 15546 C
- [A] GB 2214205 A 19890831 - GASH VICTOR BERNARD, et al
- [A] FR 2067880 A5 19710820 - MOUGEL ROGER
- [A] DE 1954869 A1 19710513 - PLEINES FELIX
- [A] FR 422350 A 19110318 - PHILIPPE PINEAU [FR]
- [A] FR 1005765 A 19520415
- [A] FR 1052527 A 19540125

Cited by

EP0949392A3; EP0980941A3; FR2913442A1; EP3056629A1; FR3032738A1

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