

Title (en)

Self-locking coupling particularly for profiled elements of casements, door- and window-frames and the like, and accessories provided with the self-locking coupling.

Title (de)

Selbstverriegelnde Befestigungsmittel, insbesondere für Profileile von Einfassungen, Tür- und Fensterrahmen und dergleichen und mit diesem selbstverriegelnden Befestigungsmittel ausgerüstetes Zubehör.

Title (fr)

Moyens d'assemblage auto-blocants, en particulier pour éléments profilés de châssis, cadres de portes et de fenêtre et similaires et accessoires équipés de moyens d'assemblage auto-blocants.

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Application

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- IT 1978987 A 19870320
- IT 2120187 U 19870320
- IT 2120287 U 19870320
- IT 2120387 U 19870320
- IT 2120487 U 19870320

Abstract (en)

The present invention relates to a self-locking coupling particularly for profiled elements of casements, door- and window-frames and the like, which has the peculiarity of comprising a coupling tang (2) which extends from an abutment body (3) and ends with coupling protuberances (10). The coupling protuberances (10) have a smaller width and a greater length than the distance defined between the opposite wings (11) which delimit the coupling seat (12) defined on a profiled element (13). The coupling protuberances (10), on the face directed towards said abutment body (3), define opposite inclined planes (20) engageable with the wings (11) to generate a movement of said coupling (1) in the direction defined by the tang (2) upon the rotation of the coupling (1) about said direction. The wings (11), with the coupling (1) applied to the profiled element (13), are clamped between the coupling protuberances (10) and the abutment body (3).

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Citation (search report)

- [X] FR 2333993 A1 19770701 - GENTRIC ALAIN [FR]
- [A] AT 310398 B 19730925 - SIEGENIA FRANK KG [DE]
- [A] DE 2716295 A1 19780126 - WERAG AG
- [A] DE 1250687 B 19670921 - ELTREVA AG
- [A] DE 1683317 A1 19691106 - EUGEN NOTTER OHG
- [A] FR 2233477 A1 19750110 - FRACH WERNER [DE]
- [A] FR 1498257 A 19671020 - ERBSLOEH JULIUS & AUGUST
- [A] DE 2261946 A1 19740620 - SIEGENIA FRANK KG
- [A] DE 2913281 A1 19801009 - HARTMANN & CO W
- [A] FR 1603501 A 19710503

Cited by

EP1283320A3; DE102011080795B3; BE1005397A3; DE4224619C2; FR2962151A1; EP1255012A3; DE19527953A1; EP0412436A3; US5180250A; EP1283320A2; US6862858B2

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