

Title (en)  
VERTICAL AWNING COMPRISING AN AUTOMATIC DEVICE FOR THE TAUT FIXING THEREOF IN THE PARTIALLY OR TOTALLY EXTENDED POSITION

Title (de)  
SENKRECHTE MARKISE MIT AUTOMATISCHER SPANNFIXIERVORRICHTUNG IN TEILWEISE ODER VOLLSTÄNDIG GEÖFFNETER POSITION

Title (fr)  
STORE VERTICAL POURVU D'UN DISPOSITIF AUTOMATIQUE DE FIXATION SUR UNE POSITION TENDUE PARTIELLEMENT OU TOTALEMENT ETENDUE

Publication  
**EP 1577458 A1 20050921 (EN)**

Application  
**EP 03773737 A 20031124**

Priority  
• ES 0300592 W 20031124  
• ES 200202827 U 20021122

Abstract (en)  
[origin: ES1053489U] Vertical awning with automatic fastening device tensioned partially or fully extended, said awning being of the type comprising a piece of canvas (1) with a first end fixed to a winding tube (2) substantially horizontal, mounted in a manner rotating on supports (3) fixed to a structure (4) or wall, and a second end fixed to a load bar (5) substantially parallel to said winding tube (2) and able to move guided by its ends by means of guides (6) substantially vertical fixed to said structure (4) or wall, said loading bar (5); suspended from the piece of canvas (1) by gravity while maintaining a certain tension therein, with actuating means (60) being provided to rotate the winding tube (2) in one direction or another by winding/unrolling the piece of canvas (1) and thereby raising/lowering the load bar (5), and fixing-releasing means (7) of the load bar (5) in a partially or fully extended position, characterized in that it comprises support members of cam (12) arranged at the ends of the loading bar (5) moving along said guides (6), and fixing-release devices (7), symmetrical, arranged in the guides (6) to fix-release said members cam followers (12), each attachment-release device (7) comprising: - a double-funnel configuration (8) convergent-divergent in connection with the guide (6) defining a passage (53) for said cam follower (12); - a retaining configuration (9) located below said configuration of double funnel (8) and capable of retaining the cam follower (12) with the piece of canvas (1) under tension in a partially or fully extended position; - a hook cam guide (10) arranged to drive the cam follower (12) from the double funnel configuration (8) to said retention configuration (9) following a down-up path through a first side of the configuration retention (9); - an escape cam guide (11) arranged to drive the cam follower (12) from the retention configuration (9) to the double funnel configuration (8) following a downward-upward path on a second, opposite side, of the hold configuration (9). (Machine-translation by Google Translate, not legally binding)

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**E04F 10/06**; **E06B 9/90**

IPC 8 full level  
**E04F 10/06** (2006.01); **E06B 9/58** (2006.01); **E06B 9/90** (2006.01)

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Citation (search report)  
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Cited by  
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