

Title (en)  
TENSIONER SYSTEM FOR A LIFT WITHOUT A COUNTER-WEIGHT

Title (de)  
SPANNERSYSTEM FÜR EINEN AUFZUG OHNE GEGENGEWICHT

Title (fr)  
SYSTÈME DE TENDEUR POUR UN DISPOSITIF D'ÉLEVATION SANS CONTREPOIDS

Publication  
**EP 3152147 A1 20170412 (EN)**

Application  
**EP 14731566 A 20140606**

Priority  
EP 2014061843 W 20140606

Abstract (en)  
[origin: WO2015185154A1] A tensioner system that operates as a kind of lever actuated by gravity, comprising : a tensioner support assembly (8) forming a first articulated quadrilateral, and which is joined at one of its ends to a belt socket assembly (9) forming a second articulated quadrilateral, where the tensioner support assembly (8) comprises: a support plate (10) that is joined to a fixed element, such as a guide, the shaft wall or similar, two lever arms (11) that are joined by a hinge with a pivot point to the support plate (10), a weight support assembly (12) and a tensioner arm (13), where said lever arms (11) are joined to the weight support assembly (12) and to the tensioner arm (13). The tensioner system ensures constant tension in the lower strand, absorbing any elongations of the suspension system, ensures that the belt socket is always parallel and vertical, keeping the terminal support in a vertical relationship with the start base, occupying a minimal amount of space, and being actuated by gravity alone. Likewise, the system is equipped with an electrical contact (18) that defines the operating range of the system.

IPC 8 full level  
**B66B 11/00** (2006.01)

CPC (source: EP)  
**B66B 11/007** (2013.01)

Citation (search report)  
See references of WO 2015185154A1

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