

Title (en)

Door arrangement comprising a tension system and method of operating such tension system

Title (de)

Toranordnung mit einem Spannungssystem und Verfahren zum Betrieb eines solchen Systems

Title (fr)

Agencement de porte comportant un système de tension et procédé de fonctionnement d'un tel système

Publication

**EP 1724431 A1 20061122 (EN)**

Application

**EP 05010754 A 20050518**

Priority

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Abstract (en)

The invention discloses a door arrangement (1) comprising a flexible door leaf (2), arranged on a winding roller (3), wherein the door arrangement (1) is provided with flexible traction members (4) associated with at least one driving device (5) for applying a traction force on the flexible door leaf (2) in order to enable the flexible door leaf (2) to be movable between a closed position and an open position, and vice versa. The door arrangement (1) comprising a tension system (6) comprising said flexible traction members (4) extending along the directions of movement, and said tension system forming (6), at the sides of the door arrangement (1), a closed loop system. Furthermore, a first and a second resilient element (7, 8) are provided to said tension system (6) on either side of a lower portion (24) of said flexible door leaf (2) as seen when following said closed loop system from at least one direction and said first resilient element (7) is resilient within a tension range (A-B) such that, during stalling, tensioning of said first resilient element (7) is limited to a threshold value by a holding element (17). Furthermore, the invention discloses a method for operating such a door arrangement (1) during stalling of said door leaf (2).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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