Title (en)

Wedge clamp for belt driven elevator

Title (de)

Riemenendverbindung für ein Riemenende einer Aufzugsanlage

Title (fr)

Attache pour ascenseur à ruban

Publication

EP 1634842 A2 20060315 (DE)

Application

EP 05108148 A 20050906

Priority

- EP 04021670 A 20040913
- EP 05108148 A 20050906

Abstract (en)

The belt end connection for the fastening of an end of a traction belt in an elevator system has an anti-twist device (21) which prevents rotation of the belt end connection (9) around its longitudinal axis (z-z'). The anti-twist device is constructed as a flat profile (22) which in the proximity of the belt end connection is installed to make flat contact with the traction belt. The anti-twist device is fastened between carrying and return runs (8,7) of the traction belt, or the traction belt is fastened between two anti-twist devices, or the belt is encompassed by a preformed anti-twist device. Independent claims are also included for the following: (A) a method for the protection of a belt end connection for the fastening of an end of a traction belt used in an elevator system in which an anti-twist device prevents rotation of the belt end connection around its longitudinal axis; and (B) a method for the testing of a belt end connection in which a captive protection device is used for the checking of the correct seating of a wedge (12) in a wedge pocket (11).

Abstract (de)

Die Erfindung betrifft eine Riemenendverbindung zur Befestigung eines Riemenendes in einer Aufzugsanlage und Verfahren zum Schutze und zur Prüfung einer Riemenendverbindung in einer Aufzugsanlage. Dabei verhindert ein Verdrehschutz(21) ein Verdrehen der Riemenendverbindung(9) um deren Längsachse(zz'). Im Weiteren wird ein Keil(12) welcher einen Tragriemen(6) in einer Keiltasche(11) hält mittels einem Verlierschutz(19) gegen Herausrutschen aus der Keiltasche(11) gesichert. Verdrehschutz und / oder Verlierschutz ermöglichen einen effizienten Schutz des Tragriemens(6), bzw. der Riemenendverbindung(9) gegen Beschädigungen und ermöglichen eine effiziente Prüfung und Kontrolle der Riemenendverbindung.

IPC 8 full level

B66B 7/06 (2006.01); **B66B 7/08** (2006.01)

CPC (source: EP US)

B66B 7/085 (2013.01 - EP US); Y10T 24/3909 (2015.01 - EP US); Y10T 24/3969 (2015.01 - EP US); Y10T 24/3971 (2015.01 - EP US); Y10T 24/3996 (2015.01 - EP US)

Cited by

WO2020173798A1; WO2020164965A1; WO2020164966A1; US11807497B2; WO2019034381A1; WO2019034405A1; US11535493B2; US11623845B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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