

Title (en)

TRACTION MECHANISM, TRACTIVE DRIVE COMPRISING SAID TRACTION MECHANISM, AND LIFT INSTALLATION

Title (de)

ZUGMITTEL, ZUGMITTELTRIEB MIT DIESEM ZUGMITTEL UND AUFZUGSANLAGE

Title (fr)

MOYEN DE TRACTION, TRANSMISSION PAR LIEN SOUPLE POURVUE DUDIT MOYEN DE TRACTION ET ASCENSEUR ASSOCIÉ

Publication

**EP 2356055 B1 20130306 (DE)**

Application

**EP 09783579 A 20090930**

Priority

- EP 2009062658 W 20090930
- DE 102008037536 A 20081110

Abstract (en)

[origin: WO2010052075A1] The invention relates to a traction mechanism (1), a tractive drive comprising said traction mechanism, and a lift comprising said tractive drive. The traction mechanism is characterised in that the traction carrier (2) is coated with an elastomer material to form coated traction carriers (3). The coated traction carriers (3) are arranged next to each other in a plane in the cross-section of the traction mechanism, at such a distance from each other that there is a space (6) between two coated traction carriers (3). The coated traction carriers (3) are connected at the back by a rear layer, the space (6) beginning on the side facing away from the rear layer (4) extends up to the central point (5) of the traction carrier, and the ratio of the second diameter (d2) of the coated traction carrier (3) in relation to the first diameter (d1) of the traction carrier (2) is between 1.05 and 2.25. The tractive drive is characterised in that the traction mechanism can be driven by at least one traction disk, and each coated traction carrier (3) engages in a corresponding groove (10) of the traction disk (9). The rear layer (4) is arranged on the side of the coated traction carriers (3), that faces away from the side engaging in the grooves (10) of the traction disk (9), and at least one traction carrier (2) engages in the corresponding groove (10) of the traction disk (9) by between 5 % and 25 % of its diameter (d1).

IPC 8 full level

**B66B 7/06** (2006.01)

CPC (source: EP US)

**B66B 7/062** (2013.01 - EP US); **D07B 5/006** (2015.07 - EP); **D07B 2501/2007** (2013.01 - EP); **Y10T 24/39** (2015.01 - US); **Y10T 24/44017** (2015.01 - US)

Cited by

WO2023222693A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**DE 102008037536 A1 20100512**; CN 102209678 A 20111005; EP 2356055 A1 20110817; EP 2356055 B1 20130306; ES 2406066 T3 20130605; US 2011226563 A1 20110922; US 8789658 B2 20140729; WO 2010052075 A1 20100514

DOCDB simple family (application)

**DE 102008037536 A 20081110**; CN 200980144884 A 20090930; EP 09783579 A 20090930; EP 2009062658 W 20090930; ES 09783579 T 20090930; US 201113104739 A 20110510