

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 A3 20090218 (DE)

Application
EP 05108148 A 20050906

Priority
• EP 04021670 A 20040913
• EP 05108148 A 20050906

Abstract (en)
[origin: US2006054468A1] A belt end connection for fastening a support belt end in an elevator installation and a method for protecting and checking a belt end connection in an elevator installation includes a twisting prevention device that prevents twisting of the belt end connection about the longitudinal axis thereof. A wedge retains the support belt end in a wedge pocket and is secured by a loss prevention device against slipping out of the wedge pocket. The twisting prevention device and/or the loss prevention enable efficient protection of the support belt and/or of the belt end connection against damage and make possible efficient checking and control of the belt end connection.

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)

Citation (search report)
• [XA] WO 2004069715 A1 20040819 - OTIS ELEVATOR CO [US], et al
• [A] US 4724929 A 19880216 - COLEMAN JOHN D [US], et al
• [A] PATENT ABSTRACTS OF JAPAN vol. 016, no. 384 (M - 1296) 17 August 1992 (1992-08-17)
• [A] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 10 30 November 1995 (1995-11-30)

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

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
US 2006054468 A1 20060316; US 7469774 B2 20081230; AR 050738 A1 20061115; AU 2005209671 A1 20060330; AU 2005209671 B2 20110714; BR PI0503823 A 20070522; BR PI0503823 B1 20191217; CA 2518660 A1 20060313; CA 2518660 C 20130514; CA 2783219 A1 20060313; CA 2783219 C 20150113; CN 100540437 C 20090916; CN 1749143 A 20060322; EP 1634842 A2 20060315; EP 1634842 A3 20090218; JP 2006076791 A 20060323; JP 5096670 B2 20121212; NO 20054226 D0 20050912; NO 20054226 L 20060314; NO 341752 B1 20180115; NZ 542101 A 20070223; RU 2005128360 A 20070320; RU 2383487 C2 20100310; US 2009127032 A1 20090521; US 7740113 B2 20100622; ZA 200506660 B 20060531

DOCDB simple family (application)
US 21640005 A 20050831; AR P050103801 A 20050912; AU 2005209671 A 20050912; BR PI0503823 A 20050913; CA 2518660 A 20050909; CA 2783219 A 20050909; CN 200510099515 A 20050913; EP 05108148 A 20050906; JP 2005245380 A 20050826; NO 20054226 A 20050912; NZ 54210105 A 20050829; RU 2005128360 A 20050912; US 26030908 A 20081029; ZA 200506660 A 20050819