

Title (en)

ELEVATOR TENSION MEMBER ASSEMBLY TECHNIQUES

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES ZUGGLIEDS FÜR EINEN AUFZUG

Title (fr)

TECHNIQUES D'ASSEMBLAGE D'ELEMENTS DE TENSION POUR ASCENSEUR

Publication

EP 1709221 A1 20061011 (EN)

Application

EP 03800244 A 20031222

Priority

US 0341387 W 20031222

Abstract (en)

[origin: US2007277496A1] An elevator belt (20) or rope (25) includes a plurality of tension members (22, 26, 46) encased within a polyurethane jacket (24, 28). Each tension member includes a plurality of strands (42), which are each made up of a plurality of wires (40). During the manufacturing process, broken wire (44, 54) ends are recaptured so that they do not protrude outward from the strands (42) or cords (46). A variety of recapture techniques are disclosed.

IPC 8 full level

D02G 3/02 (2006.01); **B42D 9/04** (2006.01); **D07B 7/02** (2006.01); **D07B 7/08** (2006.01); **G07F 19/00** (2006.01)

CPC (source: EP US)

B21F 7/00 (2013.01 - EP US); **D07B 7/02** (2013.01 - EP US); **D07B 7/08** (2013.01 - EP US); **G07F 19/20** (2013.01 - EP US); **G07F 19/201** (2013.01 - EP US); **D07B 2205/2064** (2013.01 - EP US); **D07B 2301/307** (2013.01 - EP US); **D07B 2501/2007** (2013.01 - EP US)

C-Set (source: EP US)

D07B 2205/2064 + **D07B 2801/22**

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005068696 A1 20050728; AT E485409 T1 20101115; AU 2003299979 A1 20050803; CN 1886538 A 20061227; CN 1886538 B 20120523; DE 60334647 D1 20101202; EP 1709221 A1 20061011; EP 1709221 A4 20090225; EP 1709221 B1 20101020; ES 2350447 T3 20110124; HK 1099568 A1 20070817; JP 2007524549 A 20070830; US 2007277496 A1 20071206

DOCDB simple family (application)

US 0341387 W 20031222; AT 03800244 T 20031222; AU 2003299979 A 20031222; CN 200380110889 A 20031222; DE 60334647 T 20031222; EP 03800244 A 20031222; ES 03800244 T 20031222; HK 07106690 A 20070622; JP 2005513786 A 20031222; US 58201103 A 20031222