

Title (en)

Operational state monitoring of load-bearing devices in a lift assembly

Title (de)

BETRIEBSZUSTANDSÜBERWACHUNG VON TRAGMITTELN IN EINER AUFZUGSANLAGE

Title (fr)

Surveillance de l'état de fonctionnement de matériaux de support dans une installation d'ascenseur

Publication

**EP 2421785 B1 20130918 (DE)**

Application

**EP 10713958 A 20100415**

Priority

- EP 2010054959 W 20100415
- EP 09158272 A 20090420
- EP 10713958 A 20100415

Abstract (en)

[origin: WO2010121944A1] The invention relates to an elevator system (100), comprising at least one elevator cabin (2) and at least one counterweight (4), which can both be moved in opposite directions from each other on at least one guide track (7) in an elevator shaft (1) by way of support means (3) guided over a traction sheave (5) of a drive (6), comprising at least one monitoring device (16c) for detecting a slackening of the support means (3), wherein the monitoring device (16c) is disposed at a deflection sheave (23a) for the support means (3).

IPC 8 full level

**B66B 5/12** (2006.01)

CPC (source: EP US)

**B66B 5/12** (2013.01 - EP US); **B66B 5/125** (2013.01 - EP US)

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)

**WO 2010121944 A1 20101028**; BR PI1009909 A2 20160315; BR PI1009909 B1 20191029; CN 102405182 A 20120404; CN 102405182 B 20140820; EP 2421785 A1 20120229; EP 2421785 B1 20130918; ES 2438740 T3 20140120; HK 1166486 A1 20121102; US 2012024637 A1 20120202; US 8857571 B2 20141014

DOCDB simple family (application)

**EP 2010054959 W 20100415**; BR PI1009909 A 20100415; CN 201080017432 A 20100415; EP 10713958 A 20100415; ES 10713958 T 20100415; HK 12107218 A 20120723; US 201013258199 A 20100415