

Title (en)

MONITORING OF CLOSED-LOOP ELEVATOR EQUIPMENT

Title (de)

ÜBERWACHUNG EINER AUFZUGSEINRICHTUNG MIT GESCHLOSSENEM REGELKREIS

Title (fr)

SURVEILLANCE D'UNE INSTALLATION D'ASCENSEUR A BOUCLE FERMEE

Publication

EP 3303203 B1 20230920 (FR)

Application

EP 16738478 A 20160602

Priority

- FR 1555109 A 20150604
- FR 2016051322 W 20160602

Abstract (en)

[origin: WO2016193631A1] The invention relates to a method for monitoring elevator equipment. Said elevator equipment includes a car and/or counterweight, two pulleys that are to be installed on the respective ends of an elevator shaft, a linear element passing through the pulleys and on which the car and/or counterweight is mounted, and a drive motor for moving said linear element. The elevator equipment is arranged so that said at least one linear element forms a closed loop with the pulleys and the car and/or counterweight mounted on the linear element. The method includes: (a) receiving (204) a measured value of a parameter representing a drive torque (C") applied by the motor, (b) estimating (202, 205) at least one value (Q) of a parameter related to the elevator equipment on the basis of the value received in step (a) of the parameter representing the drive torque, and (c) transmitting a signal, produced on the basis of the value estimated in step (b), to a user interface or device for controlling the elevator equipment.

IPC 8 full level

B66B 1/34 (2006.01); **B66B 5/00** (2006.01); **B66B 7/06** (2006.01)

CPC (source: EP)

B66B 1/3476 (2013.01); **B66B 5/0031** (2013.01); **B66B 7/068** (2013.01)

Citation (examination)

- EP 2865629 A1 20150429 - KONE CORP [FI]
- DE 102006036251 A1 20080207 - TUEV RHEINLAND IND SERVICE GMB [DE]

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2016193631 A1 20161208; EP 3303203 A1 20180411; EP 3303203 B1 20230920; FR 3037052 A1 20161209; FR 3037052 B1 20170707

DOCDB simple family (application)

FR 2016051322 W 20160602; EP 16738478 A 20160602; FR 1555109 A 20150604