

Title (en)

METHOD AND DEVICE FOR DETECTING DAMAGE IN A SUPPORTING MEANS FOR A LIFT SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUM DETEKTIEREN VON SCHÄDEN IN EINEM TRAGMITTEL FÜR EINE AUFZUGANLAGE

Title (fr)

PROCEDE ET DISPOSITIF DE DETECTION DE DOMMAGES DANS UN ELEMENT DE SUSPENSION DE CHARGE D'UNE INSTALLATION D'ASCENSEUR

Publication

**EP 3458399 B1 20210512 (DE)**

Application

**EP 17722483 A 20170515**

Priority

- EP 16169965 A 20160517
- EP 2017061605 W 20170515

Abstract (en)

[origin: WO2017198612A1] A method and a correspondingly configured device (1) for detecting damage or defects in a support means comprising at least one tension member (3) for an elevator system are specified. In this case, a pulse generator (9) generates at least one electrical digital input signal (4) which represents at least one first binary number (4B) and is fed to the tension member (3). After the digital input signal (4) has passed through the tension member (3), it is detected as a digital output signal (5), wherein the digital output signal (5) likewise represents at least one second binary number (5B). The second binary number (5B) is then compared, in particular compared digit by digit or bit by bit, with a setpoint binary number (14) and/or directly with the first binary number (4B). Damage in the tension member (3) is determined on the basis of an issued comparison result. If the second binary number (5B) deviates from the setpoint binary number (14) and/or from the first binary number (4B), a fault message is generated.

IPC 8 full level

**B66B 7/12** (2006.01)

CPC (source: EP US)

**B66B 7/1223** (2013.01 - EP US); **B66B 7/06** (2013.01 - US)

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 2017198612 A1 20171123**; CN 109153540 A 20190104; CN 109153540 B 20200609; EP 3458399 A1 20190327; EP 3458399 B1 20210512; ES 2875314 T3 20211110; US 11305966 B2 20220419; US 2020307956 A1 20201001

DOCDB simple family (application)

**EP 2017061605 W 20170515**; CN 201780030529 A 20170515; EP 17722483 A 20170515; ES 17722483 T 20170515; US 201716302135 A 20170515