

Title (en)

METHOD AND DEVICE FOR MONITORING THE PARAMETERS OF A LOADBEARING ASSEMBLY IN A LIFT SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ÜBERWACHEN VON EIGENSCHAFTEN EINER TRAGMITTELANORDNUNG IN EINER AUFZUGANLAGE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE SURVEILLANCE DES PROPRIÉTÉS D'UN DISPOSITIF DE SUSPENSION DANS UNE INSTALLATION D'ASCENSEUR

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Application

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Abstract (en)

[origin: WO2019185695A1] The invention relates to a method and a supporting-means monitoring device (27) for monitoring properties of a supporting-means arrangement (9) in a lift system (1). The supporting-means arrangement (9) has a plurality of supporting means (11) by means of which a lift car (5) is supported and can be displaced. The method comprises: measuring tensile forces acting on the supporting means (11); and deriving change information indicating changes in the properties of a supporting-means arrangement (9) by analysing the progression over time of the measured tensile forces. By means of such an analysis, taking into consideration, for example, a temporal gradient, a frequency spectrum, and/or an amplitude of the progression over time of the measured tensile forces, it is possible to derive e.g. information about wear on a surface profiling (45) or a traction surface (47) of a deflection roller (17) or a traction sheave (15), information about wear on guide rails (43), and/or information about wear on lateral guide structures (49) on a roller (16) for guiding one of the supporting means (11).

IPC 8 full level

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