

Title (en)

METHOD AND DEVICE FOR MONITORING PROPERTIES OF A SUPPORTING-MEANS ARRANGEMENT IN A LIFT SYSTEM

Title (de)

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

Title (fr)

PROCÉDÉ ET DISPOSITIF SERVANT À SURVEILLER DES PROPRIÉTÉS D'UN ENSEMBLE DE MOYENS DE SUPPORT DANS UN SYSTÈME 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).

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