Title (en)

METHOD AND DEVICE FOR INFLUENCING THE MECHANICAL LOAD-BEARING CAPABILITY AND/OR LOADING OF A TECHNICAL STRUCTURE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BEEINFLUSSUNG DER MECHANISCHEN BEANSPRUCHBARKEIT UND/ODER BEANSPRUCHUNG EINER TECHNISCHEN STRUKTUR

Title (fr)

PROCEDE ET DISPOSITIF POUR INFLUER SUR L'APTITUDE A LA SOLLICITATION ET/OU SUR LA SOLLICITATION D'UNE STRUCTURE TECHNIQUE

Publication

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Application

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Abstract (en)

[origin: WO2006122821A1] A method and a device for influencing the mechanical load-bearing capability and/or loading of a technical structure are described. The invention is distinguished by the following method steps: - detecting at least one loading-correlated characteristic of the structure, - determining a loading state of the structure on the basis of the at least one detected characteristic, - assessing the loading state of the structure and - generating at least one signal on the basis of the assessment of the loading state and on the basis of at least one target function, which is designed at least to optimize the lifetime of the structure, which signal is sent to at least one actuator, which is integrated within the structure or applied to the structure, to activate said actuator for influencing the loading state.

IPC 8 full level

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CPC (source: EP KR US)

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