

Title (en)
METHOD FOR DEFINING AN OPTIMIZED LOAD CURVE FOR A CRANE, METHOD AND CONTROL DEVICE FOR CONTROLLING THE LOAD SUSPENDED FROM A CRANE ON THE BASIS OF THE OPTIMIZED LOAD CURVE

Title (de)
VERFAHREN ZUR DEFINITION EINER OPTIMISIERTEN BELASTUNGSKURVE FÜR EINEN KRAN, VERFAHREN UND VORRICHTUNG ZUR STEUERUNG DER VON EINEM KRAN HÄNGENDEN LAST AUF DER BASIS DER OPTIMISIERTEN BELASTUNGSKURVE

Title (fr)
PROCÉDÉ DE DÉFINITION D'UNE COURBE DE CHARGES OPTIMISÉE POUR GRUE, PROCÉDÉ ET DISPOSITIF DE CONTRÔLE POUR CONTRÔLER LA CHARGE SUSPENDUE À UNE GRUE À PARTIR DE LA COURBE DE CHARGES OPTIMISÉE

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Application
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Abstract (en)
[origin: WO2016203165A1] This defining method (100) comprises the steps of: - simulating a crane (1) comprising: i) a boom (2) made up of elements (5) and ii) a lifting member (8) that is able to move along the boom, - selecting several elements (6) to be tested, maximum stresses, and several ranges (L) along the boom (2), and - carrying out the following analysis steps of: • choosing a theoretical load, • calculating stresses brought about by the theoretical load in each element (6) to be tested, • comparing these stresses with maximum stresses, • increasing or decreasing the theoretical load depending on whether stresses are less than or greater than the maximum stresses, • repeating the calculating step and the comparison step and the step of increasing or decreasing until the maximum theoretical load is found, and • recording i) the range (L) and ii) the maximum theoretical load.

IPC 8 full level
B66C 23/90 (2006.01); **B66C 23/16** (2006.01)

CPC (source: CN EP KR US)
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Cited by
EP4116251A1; FR3125032A1

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