Title (en)

FILL DEGREE CONTROL FOR A BULK MATERIAL GRIPPER OF A CRANE

Title (de)

FÜLLGRADSTEUERUNG FÜR EINEN SCHÜTTGUT-GREIFER EINES KRANS

Title (fr)

COMMANDE DU DEGRÉ DE REMPLISSAGE D'UNE BENNE PRENEUSE D'UN PRODUIT EN VRAC D'UNE GRUE

Publication

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Application

**EP 15739573 A 20150717**

Priority

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Abstract (en)

[origin: WO2016009040A1] The invention relates to a method for filling a gripper (2) for bulk material (14), said gripper being suspended on holding cables (12), raised and lowered by a crane (1) via a controller (17), and acting on the bulk material (14) with the gripper weight during the closing and filling process. By reducing the effect of the weight of the gripper (2) on the bulk material (14), a fill degree of the gripper (2) is influenced via the controller (17) in that a tensile force acting on the holding cables (12) is influenced. The aim of the invention is to provide a method for optimally filling the gripper. This is achieved in that a tensile force TARGET value (Fsoll) is determined for the holding cables (12) via the controller (17); the tensile force TARGET value (Fsoll) is output to a tensile force controller (18) as an input variable; an electric motor (19) for lifting and lowering the gripper (2) is controlled by the tensile force controller (18); and an ascertained tensile force ACTUAL value (Fist) of the holding cables (12) is supplied to the tensile force controller (18) as an input variable.

IPC 8 full level

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