

Title (en)

SLEWING JIB CRANE HAVING A CAMERA, AND METHOD FOR REDUCING LOAD OSCILLATION DURING CRANE OPERATION

Title (de)

AUSLEGERDREHKRAN MIT EINER KAMERA SOWIE VERFAHREN ZUR REDUZIERUNG VON LASTPENDELUNGEN IM KRANBETRIEB

Title (fr)

GRUE À FLÈCHE ORIENTABLE DOTÉE D'UNE CAMÉRA ET PROCÉDÉ DE RÉDUCTION DE L'OSCILLATION DE LA CHARGE PENDANT L'UTILISATION DE LA GRUE

Publication

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Application

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Abstract (en)

[origin: WO2022029155A1] The invention relates to a slewing jib crane (1), comprising; - a drive for raising or lowering an element (T; LAM; L) in the form of a support means (T) and/or load-receiving means (LAM) and/or a load (L) received thereby, which element is suspended on the at least one lifting cable (11); and - a controller (15), wherein a camera (12) is disposed in the area of the jib tip (5a) and the detection range of the camera is directed at the element (T; LAM; L). In order to improve the slewing jib crane, according to the invention an angular deviation (100) of the camera axis (12a) from the weight axis (200) can be detected by means of an angle sensor (13) disposed on the camera (12), and the lateral actual position of the element (T; LAM; L), as detected by means of the camera (12), can be corrected, preferably computationally, by means of the controller on the basis of the angular deviation (100). The invention also relates to a method for reducing, preferably eliminating or preventing, oscillating motions during the operation of a slewing jib crane (1).

IPC 8 full level

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