

Title (en)

SYSTEM FOR OPERATING A LOAD-HANDLING CRANE, AND LOAD-HANDLING CRANE AND METHOD FOR OPERATING SAME

Title (de)

SYSTEM ZUM BEDIENEN EINES LASTHANDLING-KRANS SOWIE LASTHANDLING-KRAN UND VERFAHREN ZU DESSEN BEDIENUNG

Title (fr)

SYSTÈME DESTINÉ À OPÉRER UNE GRUE DE MANIPULATION DE CHARGE AINSI QUE GRUE DE MANIPULATION DE CHARGE ET PROCÉDÉ DESTINÉ À OPÉRER CETTE DERNIÈRE

Publication

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Application

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Abstract (en)

[origin: WO2019077054A1] The invention relates to a system for operating a load-handling crane (1), the hoist (8) of which is movable on a movement plane (E) by means of a drive of the crane (1), having a handling device (10) for operating the crane (1), said handling device (10) being intended and designed to be fastened to a liftable and lowerable suspension element (9) of the hoist (8), and having a sensor system (20) for determining an orientation of the suspension element (9) and/or of a part fastened to the suspension element (9), in particular of the handling device (10) and/or of a load-handling attachment (9a), wherein the system has an operating element (16, 16a, 16b), which cooperates with the sensor system (20) such that, as a result of the operating element (16, 16a, 16b) being actuated, a control command for activating the drive is able to be triggered, with the result that the hoist (8) is movable by means of the drive in a direction of travel on the movement plane (E), and the direction of travel is dependent on an orientation determined by means of the sensor system (20). In order to configure in particular the handling even of relatively large loads, in particular during assembly and transfer operations, such that it involves less effort for an operator (13) of the crane (1) and is more efficient and safer, the invention proposes that the sensor system (20) be designed to determine that orientation of a portion of the suspension element (9) hanging down from the movement plane (E) and thus extending in the direction of gravity, and/or of the part fastened thereto, that is variable by rotating the portion or part about a rotational axis (z1) extending in the direction of gravity. The invention also relates to a load-handling crane (1) having such a system and to a method for operating a load-handling crane (1).

IPC 8 full level

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