

Title (en)
CONSTRUCTION AND/OR MATERIAL-HANDLING MACHINE

Title (de)
BAU- UND/ODER MATERIALUMSCHLAGSMASCHINE

Title (fr)
MACHINE DE CONSTRUCTION ET/OU DE MANIPULATION DE MATÉRIAUX

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Application
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Abstract (en)
[origin: WO2021099374A1] The invention relates to a construction and/or material-handling machine, in particular a crane, comprising a movable functional element, in particular a functional element suspended in an oscillating manner, in particular in the form of a load receiving means, at least one drive device for moving the functional element, a detection device for detecting manual manipulation movements for moving the functional element, and a controller for actuating the drive device on the basis of the detected manipulation movement. The aforementioned detection device has an inertial measuring device, which is attached to the functional element and comprises an acceleration and rotational rate sensor means for providing acceleration and rotational rate signals, and a detection device for detecting the deflection of the functional element from the aforementioned acceleration and rotational rate signals of the inertial measuring device, and the aforementioned controller is designed to actuate the at least one drive device so as to compensate for the detected deflection.

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