

THIS SHEET HAS BEEN
REPLACED

Summary:

With this equipment and with this method for the reduction of oscillations of a lift cage (1) guided at rails (3), oscillations occurring transversely to the direction of travel are reduced by a rapid regulation so that they are no longer perceivable in the cage (1). Inertia sensors (11) are mounted at the cage frame (4) for the detection of the measurement values. A slow position regulator tracks the cage (1) automatically into a mid-setting in the case of a one-sided oblique position relative to the rails (3) so that an adequate damping travel is always at disposal. Position sensors (10) supply the measurement values to the position regulator. Actuators (6) are provided with linear motors (7) for resetting of the rollers (8, 9). For each roller guide (2), a first linear motor (7) regulates two lateral rollers (8 and 9) and the second linear motor regulates the middle roller (9). The apparatus effort for performance of the method is low, since both regulating loops are combined into a common regulation and act on one actuator (6).

(Fig. 1)

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