

EQUIPMENT FOR VIBRATION DAMPING OF A LIFT CAGE**Abstract**

Equipment for reducing vibrations of a lift cage (1) guided at rails (15) comprises a plurality of guide elements (5, 6, 7) for guiding the lift cage (1) along the rails (15), a sensor (11, 12) for detecting positional changes of the lift cage (1) and/or of accelerations occurring at the lift cage (1), an actuator (1) arranged between the lift cage (1) and the guide elements (5, 6, 7) and a regulating device (19) which on the basis of the values transmitted by the sensor (11, 12) controls the actuator (10) for changing the position of the cage (1) relative to the rails (15). According to the invention the regulating device (19) has an amplification variable in dependence on the vertical speed (v) of the lift cage (1). In addition, the amplification of the regulating device (19) is continuously raised after activation of the regulating device (19) and continuously lowered after switching-off of the regulating device.

[Fig. 2]