

ABSTRACT**Thermal Protection of Electromagnetic Actuators**

- 5 The present invention provides a method and apparatus for thermally protecting an electromagnetic actuator (10) used to suppress vibrations in an elevator installation. The apparatus includes a temperature evaluation unit (24) that determines an actual temperature (T_n) of the actuator (10) on the basis of a signal (I_{plim} , F_{plim}) proportional to a current (I_{plim}) supplied to the actuator (10), and further includes a limiter (25) which
- 10 restricts the current (I_{plim}) supplied to the actuator (10) if the actual temperature (T_n) of the actuator (10) as determined by the temperature evaluation unit (24) is greater than a predetermined temperature (T_{nL}).

[Fig. 7]