

ELEVATOR

ABSTRACT OF THE DISCLOSURE

In an elevator for cancelling vibration of an elevator car (1) through actuators (21), controllers (63) are simplified, and a vibration suppressing effect is enhanced with a less number of such actuators, and installation and adjustment can be facilitated. The elevator includes a elevator car (1) moved up or down along guide rails (2), acceleration sensors (20) for detecting an acceleration of the elevator car, and actuators (21) driven so as to cancel the vibration of the elevator car (1) according to signals detected by the acceleration sensors. Guide devices are provided at upper and lower sides of the elevator car to push guide rollers (9) against guide rails (2) via springs (6, 8, 10, 12). A rigidity of at least one of the guide devices provided at the upper and lower sides of the elevator car is set to be equal to or larger than 2 times of a rigidity of the other guide device and equal to or smaller than 5 times.

FIG. 1