

Abstract

5 The invention relates to a braking apparatus (15) for braking a displaceable elevator car (3) of an elevator installation (1) and for measuring load changes caused in the elevator car (3). The braking apparatus comprises a brake (17), a brake holding arrangement (19) for holding the brake on the elevator car, a load measuring device (21) for measuring a force acting on a force transmission element (25), and a load measuring device holding arrangement (23) for holding the load measuring device on the elevator car. The brake and the brake holding arrangement are configured such that the brake can be held on the
10 elevator car by means of the brake holding arrangement in such a way that the brake can be displaced relative to the elevator car in a force direction (39) generated by the brake. The load measuring device and the load measuring device holding arrangement are configured such that the load measuring device is to be held on the elevator car by means
15 of the load measuring device holding arrangement such that the load measuring device is fixed relative to the elevator car in the force direction generated by the brake. The force transmission element of the load measuring device is operatively connected to the brake in order to be able to measure a force acting between the brake and the load measuring device due to a relative displacement of the brake relative to the load measuring device.
20 The load measuring device holding arrangement and the brake holding arrangement are connected to one another in an elastically deformable manner via a connecting piece arrangement.

(Fig. 2)