

## **LIFT INSTALLATION WITH A BRAKING DEVICE AND METHOD FOR BRAKING AND HOLDING A LIFT INSTALLATION**

### **Abstract**

The present invention relates to a lift installation with braking equipment and to a method for braking and holding a lift installation (1) with braking equipment (13). The lift installation (1) comprises a lift cage (2) which moves in vertical direction within guide tracks (9), the lift cage (2) is, if required, braked by the braking equipment (13) or held at standstill, wherein the braking equipment (13) consists of at least two brake units (14). According to the invention each brake unit (14) comprises a normal force regulation (16), which sets a normal force ( $F_N$ ) in correspondence with a normal force value determined by a brake control unit (15) and/or the brake unit (14) comprises a locking device (17), which locks the brake unit (14) in a set braking position and which preferably maintains a set braking position in the case of interrupted energy supply. This solution enables a gentle braking or holding of the lift cage, which corresponds with the operational state of the lift installation, with low energy requirement.

**[Fig. 2]**