Claims

1. A method for erecting an elevator system (1) for a building under construction, comprising an elevator shaft (2) which becomes higher as the building height increases during the construction phase of the building, a usable lifting height of the elevator system (1) being adapted to an increasing height of the building by carrying out at least one lifting operation, during which lifting operation a machine platform (7) with an elevator drive (5) and an elevator cab (3) suspended from the machine platform (7) via support means (26) are lifted in the elevator shaft (2) by means of a lifting device (28), characterized in that after a lifting operation, the machine platform (7) is installed on at least one side on a smooth shaft wall (6) of the elevator shaft (2) in such a way that the machine platform (7) is placed on at least one support bracket (8) fixed to the shaft wall by means of anchor screws, bolts or other fastening means, and in that at least one securing bracket (9) is fixed to the shaft wall by means of anchor screws, bolts or other fastening means (6) and the machine platform (7) is secured by means of the at least one securing bracket (9).

2. The method for erecting an elevator system (1) according to claim 1, characterized in that the securing bracket (9) and the support bracket (8) are designed in the same way.

3. The method for erecting an elevator system (1) according to claim 1 or claim 2, characterized in that two support brackets (8, 8') and two securing brackets (9, 9') are provided on a corresponding side for supporting and securing the machine platform (7).

4. The method for erecting an elevator system (1) according to any of claims 1 to 3, characterized in that the machine platform (7) preferably has telescopically extendable and retractable support means, or pivotable support means (11) for supporting, and in that the support bracket (8) has lateral holders (20), in particular in the form of side plates, for securing the support means in position.

5. The method for erecting an elevator system (1) according to claim 4, characterized in that the support bracket (8) has a preferably plate-shaped fastening portion (17) which lies or can be placed flat against the shaft wall (17), and an abutment portion (18) projecting at right angles away from the fastening portion (17) for fixing a support surface.

6. The method for erecting an elevator system (1) according to any of claims 1 to 5, characterized in that the securing bracket (9) and that the machine platform (7) has at least one holding device (12) for

forming securing means, which device can be brought into operative connection with or interacts with the securing bracket (9) for securing the machine platform.

7. The method for erecting an elevator system (1) according to claim 6, characterized in that the holding device (12) is pivotally fastened to the machine platform (7).

8. The method for erecting an elevator system (1) according to either claim 6 or claim 7, characterized in that the holding device (12) has an engagement opening (16) which, in an active position, surrounds an abutment of the securing bracket (9).

9. The method for erecting an elevator system (1) according to claim 8, characterized in that the holding device (12) has a holding arm (14) and a holding portion (15) adjoining it, the holding device (12) being pivotally mounted on the machine platform via a lower end of the holding arm and the holding portion (15) adjoining an upper end of the holding arm, which holding portion is designed in the manner of a frame and forms the engagement opening (16).

10. The method for erecting an elevator system (1) according to claim 9, characterized in that the holding device (12) comprising holding arm (14) and holding portion (15) is made of one or more metal plates.

11. The method for erecting an elevator system (1) according to any of claims 6 to 10, characterized in that position securing means are provided to hold the holding device (12) in the securing bracket (9).

12. The method for erecting an elevator system (1) according to any of claims 1 to 11, characterized in that the support bracket (8) is positioned below the machine platform (7), and the securing bracket (9) is positioned above the machine platform (7).