Claims

1. Drive system (1) for an elevator installation, comprising

a drive (3), and

a drive suspension (7) for fastening the drive (3) to a support element (5) of the elevator installation,

wherein the drive suspension (7) comprises:

- a rotary joint (9) for tiltably mounting the drive (3) on the support element (5); and

- an adjustment device (11) for setting a tilt of the drive (3) about the rotary joint (9),

wherein the adjustment device (11) comprises:

a fixing part (21) which is designed for fastening to the support element (5); and

a second suspension part (41) which is fastened to the drive (3) and connected to the fixing part (21);

wherein the fixing part (21) and the second suspension part (41) are displaceable relative to one another in a settable manner.

2. Drive system (1) according to claim 1, comprising a guide rail for guiding an elevator car, wherein the guide rail forms the support element (5).

3. Drive system (1) according to either of the preceding claims, wherein the rotary joint (9) comprises:

a first suspension part (23) which is fastened to the drive (3);

wherein the fixing part (21) and the first suspension part (23) are rotatably connected to each other.

4. Drive system (1) according to claim 3, wherein the first suspension part (23) has at least one first opening and the fixing part (21) has at least one second opening; and wherein the rotary joint (9) comprises a connecting element (29) which is arranged so as to pass through the at least one first opening and the at least one second opening.

5. Drive system (1) according to any of the preceding claims, wherein the tilt of the drive (3) about the rotary joint (9) can be set by displacing the second suspension part (41) relative to the fixing part (21).

6. Drive system (1) according to any of the preceding claims, wherein the rotary joint (9) is arranged above a friction drive pulley (13) of the drive (3); and wherein the adjustment device (11) is arranged below the friction drive pulley (13).

7. Drive system (1) according to any of the preceding claims, wherein an axis of rotation (31) of the rotary joint (9) is at least substantially perpendicular to a shaft axis (61) of the drive (3) and/or wherein the rotary joint (9) is designed to support torques or torque components in directions perpendicular to the axis of rotation (31).

8. Drive system (1) according to any of the preceding claims, wherein the drive suspension (7) comprises at least one isolation element (47), wherein the at least one isolation element (47) is designed to reduce or prevent a transmission of vibrations or structure-borne noise from the drive (3) to the support element (5).

9. Elevator installation (51), comprising

a drive system (1) according to any of the preceding claims;

an elevator car (53); and

a counterweight (55) which is connected to the elevator car (53) via a carrier means (57);

wherein the drive (3) is designed to drive the carrier means (57).

10. Elevator installation (51) according to claim 9, wherein the drive (3) is arranged in an upper end region of the elevator installation (51).

11. Elevator installation (51) according to either claim 9 or claim 10, wherein the carrier means (57) comprises a belt.

12. Elevator installation (51) according to any of claims 9 to 11, wherein the elevator car (53) has a drive-side side wall (63) that faces the drive system (1); and wherein a shaft axis (61) of the drive runs at least substantially parallel to the drive-side side wall (63).

13. Elevator installation (51) according to any of claims 9 to 12, wherein the elevator installation (51) comprises at least one further drive system (71).

14. Method for installing a drive (3) on a support element (5) of an elevator installation (51), in particular an elevator installation (51) according to any of claims 9-13, comprising

mounting the drive (3) on the support element (5) by means of a rotary joint (9);

stabilizing the drive (3) with respect to the support element (5); and

setting a tilt of the drive (3) about the rotary joint (9).