Claims

1. Elevator system comprising
   - an elevator car (14, 16) which can be moved in an elevator shaft (12),
   - a suspension means (26) extending in the elevator shaft (12),
   - a drive machine (34) associated with the suspension means (26) and
   - a controllable coupling device (58) arranged on the elevator car (14, 16),

the suspension means (26) having a coupling element (46) which the coupling device (58) can be coupled to and uncoupled from, as a result of which a drive connection between the elevator car (14, 16) and the suspension means (26) can be established and released, and the coupled elevator car (14, 16) being movable in the elevator shaft (12) by means of the suspension means (26), which can be driven by the drive machine (34),
characterized by
the elevator system further comprising a guide system (80) for guiding the coupling element (46) during a movement in the elevator shaft (12),

- the guide system (80) having a guide (83) which is stationary relative to the elevator shaft (12) and a runner (82) which is connected to the coupling element (46) via a connection (81) and guided along the guide (83), and
- the connection (81) between the coupling element (46) and the runner (82) being designed such that a relative movement between the runner (82) and the coupling element (46) is possible.

2. Elevator system according to claim 1,
characterized in that
the guide (83) extends along a shaft wall (84) of the elevator shaft (12), and the connection (81) between the coupling element (46) and the runner (82) is designed such that a first relative movement between the runner (82) and the coupling element (46) is possible, which relative movement has at least one component in the direction of said shaft wall (84) and away from the shaft wall (84).

3. Elevator system according to claim 2,
characterized in that
the connection (81) between the coupling element (46) and the runner (82) has a pin (97) which is coupled to the runner (82) and is arranged in a recess (98) in the coupling element (46) so as to be movable in the direction of said shaft wall (84) and away from the shaft wall (84).

4. Elevator system according to either claim 2 or claim 3,
characterized in that
the connection (81) has a first spring arrangement (103) which is designed and arranged such that it can apply a force to the runner (82) in the direction of the first relative movement.

5. Elevator system according to any of claims 1 to 4,
characterized in that
the guide (83) extends along a shaft wall (84) of the elevator shaft, (12) and the connection (81) between the coupling element (46) and the runner (82) is designed such that a second relative movement between the runner (82) and the coupling element (46) along said shaft wall (84) is possible, which relative movement has at least one horizontal component.

6. Elevator system according to claims 2 and 5,
characterized in that
the guide (83) guides the runner (82) in the direction of the first relative movement and in the direction of the second relative movement between the runner (82) and the coupling element (46).

7. Elevator system according to claim 3 and claim 5 or claim 6,
characterized in that
said recess (98) is arranged on a pivot arm (99) of the coupling element (46) which can be pivoted along said shaft wall (84).

8. Elevator system according to claim 7,
characterized in that
the connection (81) has a second spring arrangement (106) which is designed and arranged such that it can apply a force to the runner (82) in the direction of the second relative movement.

9. Elevator system according to any of claims 1 to 8,
characterized in that
the guide (83) has a side cheek (91) and the runner (82) has a guide roller (85, 86), the guide roller (85, 86) being guided on an inner face (92) of the side cheek (91) of the guide (83).

10. Elevator system according to claim 9,
characterized in that
the guide (83) has a first side cheek (91) and an opposite second side cheek (91) and the runner (82) has a first guide roller (85) and a second guide roller (86), the first guide roller (85) being guided on

the inner face (92) of the first side cheek (91) of the guide (83) and the second guide roller (86) being guided on the inner face (92) of the second side cheek (91) of the guide (83).

11. Elevator system according to claim 10,
characterized in that
the first guide roller (85) is mounted on a first roller axle (89) and the second guide roller (86) is mounted on a second roller axle (90) and the two roller axles (89, 90) are arranged on a lever (87) of the runner (82) that is pivotable about a lever axle (88).

12. Elevator system according to claims 3 and 11,
characterized in that
the lever axle (88) of the pivotable lever (87) of the runner (82) is at least partially formed by the pin (97) of the connection (81) between the coupling element (46) and the runner (82).

13. Elevator system according to either claim 11 or claim 12,
characterized in that
the runner (82) has a third spring arrangement (95) which is designed and arranged such that the guide rollers (85, 86) are pressed against the inner faces (92) of the side cheeks (91) of the guide (83).

14. Elevator system according to any of claims 9 to 13,
characterized in that
the inner faces (92) of the side cheeks (91) of the guide (83) have a concave contour and the guide rollers (85, 86) of the runner (82) have a corresponding convex profile.