Claims

1. Mobile transport device for transporting an installation frame and for introducing an installation frame into a shaft, in particular an elevator shaft, comprising

- a base frame (16, 116) and
- a fixing device (48) which is arranged on the base frame (16, 116) for fixing the base frame (16, 116) to a shaft opening (50, 150) of a shaft wall (52) of the shaft (14, 114) and for preventing the transport device (10, 110) from tilting,

characterized by further comprising

- a bearing frame (34, 134) on which the installation frame (11, 111) can be supported from above,

wherein the bearing frame (34, 134) is supported by the base frame (16, 116) and is movably arranged in the horizontal direction relative to the base frame (16, 116) such that, when the base frame (16, 116) is arranged outside of the shaft (14, 114), the bearing frame (34, 134) can be moved into the shaft (14, 114) from outside the shaft (14, 114) through the shaft opening (50, 150).

2. Transport device according to claim 1,
characterized in that
the bearing frame (34, 134) is arranged on the base frame (16) via a telescopic extension rail (17).

3. Transport device according to either claim 1 or claim 2,
characterized in that
the base frame (16, 116) and the bearing frame (34, 134) each have a stop (44, 46) which is designed and arranged in such a way that it delimits movement of the bearing frame (34, 134) relative to the base frame (16, 116).

4. Transport device according to claim 1, 2, or 3,
characterized in that
the bearing frame (34) can be moved relative to the base frame (16) by means of a spindle drive (38).

5. Transport device according to any of claims 1 to 4,
characterized in that
the bearing frame (134) is arranged inclined relative to the horizontal.

6. Transport device according to any of claims 1 to 5,
characterized in that

the fixing device (48) has a primary fixing element (54) for support on an outside (82) of the shaft wall (52) having the shaft opening (50, 150).

7. Transport device according to claim 6,
characterized in that
the primary fixing element (54) has a fixing arm (56) which can be arranged in a fixing position and in a displacement position on the transport device (10, 110), wherein, in its fixing position, it allows the base frame (16, 116) to be fixed to the shaft opening (50, 150) and, in its displacement position, it allows the transport device (10, 110) to be displaced.

8. Transport device according to claim 7,
characterized in that
at least one part (60) of the fixing arm (56) is arranged on the base frame (16, 116) so as to be pivoted about a pivot axis (58) and can be brought from the fixing position to the displacement position and vice versa by pivoting about said pivot axis (58).

9. Transport device according to any of claims 1 to 8,
characterized in that
the fixing device (48) has a secondary fixing element (64) for support on an inner side (84) of the shaft wall (52) having the shaft opening (50, 150).

10. Transport device according to any of claims 1 to 9,
characterized in that
rollers (26) are arranged on the base frame (16, 116), by means of which rollers the base frame (16, 116) is supported on a floor (28) below the base frame (16, 116) and which can roll on the floor (28).

11. Transport device according to claim 10,
characterized in that
a supporting device (66) is arranged on the base frame (16, 116), by means of which supporting device the base frame (16, 116) can be supported on a floor (28) in front of the shaft opening (50, 150).

12. Transport device according to any of claims 1 to 11,
characterized in that
the base frame (16, 116) has a coupling device (30) which is designed and arranged in such a way that a coupling to a drive device (32) for displacing the transport device (10, 110) can be produced.

13. Transport device according to any of claims 1 to 11,
characterized in that
the bearing frame (34, 134) has a centering device (70) by means of which the installation frame (11, 111) is guided into a predetermined fitting position when fitting on the bearing frame (34, 134).

14. Transport device according to claim 13,
characterized in that
the centering device (70) has a securing device (74) by means of which an installation frame (11, 111) fitted on the bearing frame (34, 134) can be secured on the receiving frame (34, 134).

15. Method for introducing an installation frame into a shaft, in particular an elevator shaft, wherein the installation frame (11, 111) is fitted on a bearing frame (34, 134) of a mobile transport device (10, 110), and the installation frame (11, 111) is supported from above on the bearing frame (34, 134), and the bearing frame (34, 134) is supported by a base frame (16, 116) of the transport device (10, 110), and the method comprises at least the following steps:

- fixing the base frame (16, 116) and thus the transport device (10, 110) by means of a fixing device (48) arranged on the base frame (16, 116) at a shaft opening (50, 150) outside the shaft (14, 114), whereby the transport device (10, 110) is prevented from tilting and
- moving the bearing frame (34, 134) which is movably arranged in the horizontal direction relative to the base frame (16, 116), from outside the shaft (14, 114) through the shaft opening (50, 150) into the shaft (14, 114), whereby the installation frame (11, 111) is introduced from outside the shaft (14, 114) through the shaft opening (50, 150) into the shaft (14, 14).