Claims

1. Mounting frame for being displaced and fixed in a shaft, comprising
   - a main frame (30),
   - a first primary fixing component (46a, 46c) for supporting the mounting frame (24) on a first shaft wall (18) during fixing of the mounting frame (24) in the shaft (16) and
   - a secondary fixing component (56) for supporting the mounting frame (24) on a second wall (20) of the shaft (16) opposite the first shaft wall (18) in a fixing direction (40) during fixing of the mounting frame (24) in the shaft (16),
   - the first primary fixing component (46a, 46c) and the secondary fixing component (56) being arranged on the main frame (30), wherein
   - the first primary fixing component (46a, 46c) and/or the main frame (30) can assume a transport position and a working position, a change of the first primary fixing component (46a, 46c) and/or the main frame (30) from its working position to its transport position leading to a reduction in an extension of the mounting frame (24) in an extension direction (27) that differs from the fixing direction (40), and
     the first primary fixing component (46a, 46c) has an arm (53a) and a first primary contact element (55a, 55c) arranged on the arm (53a), the arm (53a), in the working position of the first primary fixing component (46a, 46c), extending away from the main frame (30) in the extension direction (27), and at least part of the arm (51a) being displaced toward the main frame (30) for a change of the first primary fixing component (46a, 46c) from the working position to the transport position,
     characterized in that
     a second primary fixing component (46b) comprising a second primary contact element (55b) for supporting the mounting frame (24) on the first shaft wall (18) during fixing of the mounting frame (24) in the shaft (16), which component is thus immovably arranged on the main frame (30) such that no part of the second primary fixing component (46b) projects beyond the main frame (30) in the extension direction (27).

2. Mounting frame according to claim 1,
characterized in that
in the transport position of the first primary fixing component (46a, 46c), no part of the first primary fixing component (46a, 46c) projects beyond the main frame (30) in the extension direction (27).

3. Mounting frame according to claim 1 or 2,
characterized in that

a supporting component (44a, 44b, 44c) for supporting the mounting frame (24) on the first shaft wall (18) of the shaft (16) during displacement of the mounting frame (24) in a displacement direction (27) is assigned to each primary contact element (55a, 55b, 55c).

4. Mounting frame according to claim 3,
characterized in that
the primary contact element (55a, 55b, 55c) is arranged on the outside in the displacement direction (27) in relation to the relevant supporting component (44a, 44b, 44c) in the working position.

5. Mounting frame according to any of claims 1 to 4,
characterized in that
the main frame (30) has a multi-part design, and at least two parts (49, 51) of the main frame (30) that are arranged in alignment in the extension direction are designed to be slidable relative to one another, in particular to be slidable one inside the other.

6. Mounting frame according to claim 5,
characterized by
an adjustment apparatus (70) by means of which the main frame (30) can be brought from the transport position into the working position and vice versa.

7. Mounting frame according to any of claims 1 to 6,
characterized in that
the main frame (30) has a multi-part design, and at least two parts (36a, 38a; 36b, 38b; 36c, 38c) of the main frame (30) that are arranged in alignment in the fixing direction (40) are designed to be slidable relative to one another, in particular slidable one inside the other.

8. Mounting frame according to any of claims 1 to 7,
characterized in that
the secondary fixing component (56) has a secondary contact element (64) which has a shape that is elongate in the displacement direction (27) and which has a multi-part design.

9. Mounting frame according to any of claims 1 to 8,
characterized in that
the secondary fixing component (56) has a secondary contact element (64) which has a shape that is elongate in the displacement direction (27) and which is designed to be completely removable.

10. Mounting frame according to either claim 8 or claim 9,
characterized in that
the secondary fixing component (56) has an actuator (60) by means of which the secondary contact element (64) can be displaced in the fixing direction (40) and thus a distance between the secondary contact element (64) and the main frame (30) can be changed, and
the secondary fixing component (56) is designed such that a distance between the secondary contact element (64) and the main frame (30) in the fixing direction (40) can also be changed independently of the actuator (60) of the secondary fixing component (56).

11. Mounting apparatus for carrying out automated mounting steps in a shaft, comprising
a mounting frame (24) according to any of claims 1 to 10 and
a mechatronic installation component (28).

12. Mounting system for carrying out automated mounting steps in a shaft, comprising
a mounting apparatus (26) according to claim 11 and
a displacement component (12) for displacing the mounting apparatus (26) in the shaft (16).