Claims

1. A mounting device with a connecting bolt, with which a plate-shaped sliding element is connectable to a carriage that is held displaceable in a running rail, the mounting device comprising a holding rail, which is mountable in a recess provided at the upper side of the sliding element, and a holding device that is held releasably in the holding rail and that comprises a bearing device, in which an adjustment screw is rotatably held, which adjustment screw comprises a screw shaft that, aligned along its screw axis, engages in a threaded member of a track body, which is movable along the screw axis and which comprises two track walls that are aligned in parallel to one another and that comprise each a track element, in which guide elements are engaged that are connected to the connecting bolt, which is held in a guide member displaceable along a guide axis, wherein a track sledge is provided that is equipped on opposite sides with the guide elements that are engaged in the track element of the track body, wherein the connecting bolt comprises a first connecting part that is held in the track sledge, a second connecting part that is held in the guide member and a third connecting part that is connectable to the carriage, the third connecting part comprising a screw thread, which is configured to be turned into the body of the carriage, and wherein the first connecting part is held in a receiving opening of the track sledge, wherein the first connecting part is rotatable with respect to the track sledge about the guide axis after installation of the mounting device.

2. A mounting device according to claim 1, wherein the connecting bolt is made from one piece.

3. A mounting device according to claim 1, wherein in the track sledge a coupling element is held, which comprises a spring-loaded contact element, which engages in a holding seat that is provided in the first connecting part of the connecting bolt.

4. A mounting device according to claim 1, wherein the part of the connecting bolt which is extending out of the holding device or an end piece of the connecting bolt are provided with a tool profile capable of being grasped and turned with a tool.

5. A mounting device according to claim 1, wherein the connecting bolt comprises a holding groove and the track sledge comprises a holding flange or wherein the connecting bolt comprises a holding flange and the track sledge comprises a holding groove and wherein the holding groove and the holding flange are engaged in one another.

6. A mounting device according to claim 5, wherein the track sledge is fork-shaped and comprises the holding flange, which adjoins an entry opening.

7. A mounting device according to claim 6, wherein the holding flange forms a U-profile with legs that form extending parallel to one another and inclined to the screw axis and entry ramp, along which the first connecting element of the connecting bolt is insertable into the track sledge.

8. A mounting device according to claim 1, wherein the guide elements and the track elements comprises flat contact surfaces that are adjoining one another.

9. A mounting device according to claim 1, wherein the guide elements and the track elements engaged in one another,

wherein the guide elements are guide ribs and the track elements are guide grooves or that the guide elements are guide grooves and the track elements are guide ribs.

10. A mounting device according to claim 1, wherein the bearing device comprises a holding arm with at least one holding element, which is coupleable in a form-locking manner with at least one fixing element that is provided on the holding rail, and wherein the holding arm is bendable in such a manner, that the holding element under impact of force onto the holding arm is decoupleable from the fixing element.

11. A mounting device according to claim 10, wherein the bearing device is pivotally connected to a functional cover, which covers a tool channel that provides access to the adjustment screw and which comprises a functional lever that is rotatable towards the holding arm, when the functional cover is opened, so that the holding arm under the impact of force is releasable from the holding rail.

12. A mounting device according to claim 10, wherein the bearing device consists of one piece or wherein the bearing device comprises a first bearing member with the holding arm and a second bearing member with the guide arm, and wherein the two bearing members comprise catch elements that are engaged in one another in a form-locking manner.

13. A mounting device according to claim 11, wherein a head of the adjustment screw is held rotatable but axially immovable in the bearing device and is facing the functional cover, which after opening provides access to the head of the adjustment screw.

14. A sliding door with two mounting devices according to claim 1, which are connected each on one side to a sliding element and on an other side to a carriage, which is guided with track rollers or sliding elements in a running rail.