Claims

1. Device (1) for manipulating an object (3), wherein the object (3) is movable contactlessly on a drive surface (7) by at least one mover (4) which is magnetically coupled to a stator arrangement (5), characterized in that the drive surface (7) is configured as a sealed border, in particular as a boundary wall (8), of a protected interior (9).

2. Device (1) according to claim 1, characterized in that the stator arrangement (5) is arranged outside a protected interior (9), in particular on a preferably vertical and/or horizontal and/or sloping boundary wall (8), and/or that the at least one mover (4) is arranged in the protected interior (9) or outside the protected interior (9).

3. Device (1) according to any of the preceding claims, characterized in that the boundary wall (8) of the protected interior (9) has a coupling region (10) of the stator arrangement (5) and the at least one mover (4), in particular wherein the surface area inside the coupling region (10) may be smaller than the surface area of the boundary wall (8).

4. Device (1) according to any of the preceding claims, characterized in that the boundary wall (8) and/or the or a coupling region (10) is made of a magnetically neutral separating layer (11), in particular a special steel and/or glass layer, and/or of a gas-tight plastic and/or composite material, which is preferably less than 2 mm thick, and/or that the boundary wall (8) and/or the or a coupling region (10) is stabilised by carrier components (12), preferably made of magnetically neutral materials.

5. Device (1) according to any of the preceding claims, characterized in that the stator arrangement (5) is constructed in at least one rack (13), wherein the at least one rack (13) is mounted directly on the boundary wall (8) and/or on the or a coupling

region (10), and/or is movable from and to a usage site, and/or at the usage site can be adjusted between a working position close to the boundary wall (8) and a position remote from the boundary wall (8).

6. Device (1) according to any of the preceding claims, characterized in that the or a boundary wall (8) and/or the or a separating layer (11) can be removed from the device (1).

7. Device (1) according to any of the preceding claims, characterized in that the protected interior (9) has at least two chambers (16, 23), in particular wherein the at least two chambers (16, 23) are formed by an intermediate wall (17) which preferably has at least one small access opening (18) and/or preferably forms the boundary wall (8).

8. Device (1) according to any of the preceding claims, characterized in that at least one process station (15), for example a filling device (14) is positioned and arranged on a mover (4), such that the mover is movable relative to the filling device (14), in the protected interior (9) on the boundary wall (8) and/or in the or a coupling region (10) and/or in one chamber (16) and fixed in a second chamber (23).

9. Device (1) according to claim 7, characterized in that the stator arrangement (5) is arranged on at least one boundary wall (8) and/or at least one coupling region (10) and/or two adjacent walls of the protected interior (9) such that the at least one mover (4) can transport the at least one object (3) inside the at least two chambers (16, 23) and/or through the at least one small access opening (18) of the intermediate wall (17) between the at least two chambers (16, 23).

10. Device (1) according to claim 7 or claim 9, characterized in that the stator arrangement (5) is arranged preferably vertically inside the at least one intermediate wall (17) between the at least two chambers (16, 23).

11. Device (1) according to any of claims 7, 9 or 10, characterized in that the stator arrangement (5) is constructed in at least one rack (13) in the at least one intermediate wall (17).

12. Device (1) according to any of the preceding claims, characterized in that the protected interior (9) has at least one through-flow zone (21), in particular wherein the drive surface (7) is configured such that the at least one mover (4) can travel into the zone (21) and/or within the zone (21).

13. Device (1) according to any of the preceding claims, characterized in that the stator arrangement (5) is enveloped by a tunnel (22) sealed against the interior (9), wherein the drive surface (7) is formed by an envelope (19) of the tunnel (22) or wherein the drive surface (7) is formed inside the protected interior (9) independently of the envelope (19).

14. Device (1) according to claim 13, characterized in that the tunnel (22) is accessible on one side or two sides from outside the protected interior (9), and/or that the tunnel (22) is surrounded by the protected interior (9) along a periphery running fully around its longitudinal extent.

15. Device (1) according to any of the preceding claims, characterized in that the protected interior (9) has a profile body (24), wherein the profile body (24) comprises the stator arrangement (5) and the separating layer (11), in particular wherein the preferably film-like separating layer (11) is attached preferably interchangeably to the profile body (24).

16. Device (1) according to claim 13, characterized in that the tunnel (22) and/or the profile body (24) form/forms access points (25) outside the protected interior (9).

17. Method for filling at least one object (3) with a device according to any of the preceding claims, characterized in that the at least one object (3) is moved by a mover (4) on a drive surface (7) of the protected interior (9) up to a process station (15), for example a filling device (14), and is filled by the filling device (14), wherein the filling device (14) is positioned in the protected interior, in particular on the drive surface (7), or on a further mover (4).

18. Use of a boundary wall (8) of a protected interior (9) as a drive surface (7) of at least one mover (4) which is coupled to a stator arrangement (5).