Brief description of the invention

Embodiments of the invention provide an alternative implementation in relation to the implementations of prior art.

According to a aspect of the present invention, there is provided a swing handle arrangement with a locking function, including a swing handle, a frame, and a spindle arrangement, wherein the swing handle is connected to the spindle arrangement in a pivotable manner, and the spindle arrangement is connected to the frame in a pivotable manner, and wherein the swing handle arrangement also includes an electric actuator, a shaft arrangement of the electric actuator, and a latch set in the frame, and wherein the swing handle includes a latching surface, wherein the latch is arranged to be against the latching surface of the swing handle in a locking position of the swing handle, and wherein the latch and the latching surface are thus arranged to establish the locking of the swing handle arrangement, which locking is releasable by the electric actuator via the shaft arrangement of the electric actuator, wherein the swing handle arrangement further includes a second shaft with a cam, and the latch has a groove, wherein, in the locking position of the swing handle arrangement, the cam is in the groove, preventing a linear movement of the latch away from the latching surface of the swing handle, wherein the locking is releasable by the electric actuator via the shaft arrangement of the electric actuator, by turning the second shaft so that the cam moves out of the groove.

The swing handle arrangement according to embodiments of the invention comprises a locking function. The arrangement comprises a swing handle 1, a frame 2, and a spindle arrangement 3. The swing handle is connected to the spindle arrangement in a pivotable manner, and the spindle arrangement is connected to the frame in a pivotable manner. The swing handle arrangement also comprises an electric actuator 4 arranged in the frame 2, a shaft arrangement 5 for the electric actuator, and a latch 6. The swing handle also comprises a latching surface 7. The latch 6 is arranged to be against the latching surface of the swing handle when the swing handle is its locked

position. The latch 6 and the latching surface 7 are thus arranged to constitute the locking of the swing handle arrangement, which is releasable by the electric actuator 4 via the shaft arrangement 5 for the electric actuator.

The swing handle arrangement further comprises a second shaft 8 with a cam 9, and wherein the latch is provided with a groove 10. In the locking position of the swing handle arrangement, the cam 9 is in the groove, preventing a linear movement of the latch away from the latching surface 7 of the swing handle. The locking can be unlocked by the electric actuator 4 via the shaft arrangement 5 for the electric actuator, by turning the second shaft 8 so that the cam 9 moves out of the groove 10.

List of figures

In the following, the invention will be described in more detail with reference to the figures in the appended drawings, wherein

Fig. 1 shows an example of an installed swing handle arrangement according to the invention,

Fig. 2 shows an example of a swing handle arrangement according to the invention.