rotation at a specific screwing height by a friction clutch, at least as long as the rotary actuating forces do not exceed the inhibition of the friction clutch. If the actuation bolt is overrotated while the latch plate is in contact, the named friction clutch slips so that the locking plate is screwed to the pin and is thus axially adjusted.

It is the underlying object of the present invention to provide an improved locking device of the initially named kind which avoids disadvantages of the prior art and further develops the latter in an advantageous manner. The locking device should preferably be able to be inserted into different recesses with an exact fit and should ensure a fully functional lock also with multiple actuation, but simultaneously allow a simple disassembling, as free of tools as possible, to simplify the replacement of the locking device by an authorized end customer.

This object is satisfied in accordance with the invention by a locking device in accordance with claim 1 and by the use of such a locking device in accordance with claim 15. Preferred embodiments of the invention are the subject of the dependent claims.

According to an aspect, there is provided a locking device for introducing into a recess of an arrangement to be locked, the locking device comprising an actuation bolt as well as a latch section which is rotatably fixedly connectable to the actuation bolt and which can be locked and/or unlocked by rotating the actuation bolt, wherein the latch section can be fastened in a plurality of positions at the actuation bolt, wherein the actuation bolt and the latch section have releasable detent means having a plurality of detent positions locking the latch section in a plurality of axial positions at the actuation bolt, and wherein the releasable detent means have detent contours which engage into one another in a shape-matched manner, which can be pushed beyond one another in the longitudinal direction of the actuation bolt under elastic deformation and which can latch into one another by elastic spring back transversely to the longitudinal direction of the actuation bolt, wherein the actuation bolt has a rotary guide part associated with it which can be plugged into the said recess with an exact fit and has detent means for detent to a marginal contour surrounding the recess, wherein the detent means of the rotary guide part comprises at least one latch projection which projects radially at the peripheral side from the corpus of the rotary guide part, which latch projection is radially elastically deformable on the axial plugging of the rotary guide part into the recess and snaps back radially after passing through the recess.

To be able to match the locking device simply to recesses of different depths or to devices to be locked of different thickness, the latch section can be fixed at different sections of the actuation bolt so that the locking device receives a different length. In accordance with the invention, the actuation bolt and the latch section have releasable latching/detent means having a plurality of latching/detent positions for latching/detent the latch section to the actuation bolt in a plurality of axial positions. The latching/detent means in this respect comprise latch contours which engage into one another in a shape-matched manner, which can be pushed beyond one another in the longitudinal direction of the actuation bolt with elastic deformation and which can latch into one another transversely to the longitudinal direction of the actuation bolt by elastic recoil so that the latch section is held axially at the actuation bolt in the respective latching/detent position. Depending on how thick the corpus is in which the recess is formed into which the locking device is to be introduced or depending on how large the spacing is of the counter-piece to be caught by the latch part from the named recess, the latch section can be fixed to

CLAIMS:

1. A locking device for introducing into a recess of an arrangement to be locked, the locking device comprising an actuation bolt as well as a latch section which is rotatably fixedly connectable to the actuation bolt and which can be locked and/or unlocked by rotating the actuation bolt, wherein the latch section can be fastened in a plurality of positions at the actuation bolt, wherein the actuation bolt and the latch section have releasable detent means having a plurality of detent positions locking the latch section in a plurality of axial positions at the actuation bolt, and wherein the releasable detent means have detent contours which engage into one another in a shape-matched manner, which can be pushed beyond one another in the longitudinal direction of the actuation bolt under elastic deformation and which can latch into one another by elastic spring back transversely to the longitudinal direction of the actuation bolt, wherein the actuation bolt has a rotary guide part associated with it which can be plugged into the said recess with an exact fit and has detent means for detent to a marginal contour surrounding the recess, wherein the detent means of the rotary guide part comprises at least one latch projection which projects radially at the peripheral side from the corpus of the rotary guide part, which latch projection is radially elastically deformable on the axial plugging of the rotary guide part into the recess and snaps back radially after passing through the recess.

2. A locking device in accordance with claim 1, wherein the latch contours of the releasable detent means comprise at least one latch projection configured as elevated transversely to the longitudinal direction of the actuation bolt and at least one latch depression sunk transversely to the longitudinal direction of the actuation bolt, wherein the latch depression and the latch projection are configured shape-matched to one another and the latch projection can be lowered into the latch depression and/or the latch contours of the releasable detent means are configured as undercut in the longitudinal direction of the actuation bolt.

3. A locking device in accordance with claim 1 or 2, wherein the releasable detent means comprise as latch contours a ribbed and/or grooved surface structure at the actuation bolt and/or at the latch section, which surface structure can be brought into shape-matched holding engagement with a counter-contour piece under elastic deformation of the surface structure and/or of the counter-contour piece on an axial plugging onto one another of the latch section and the actuation bolt.

4. A locking device in accordance with claim 3, wherein the ribbed surface structure comprises a plurality of holding ribs at the actuation bolt which are arranged staggered behind one another in the longitudinal direction of the actuation bolt at least partly at the periphery of the actuation bolt and the counter-contour piece comprises at least one holding rib at the latch section.

5. A locking device in accordance with claim 4, wherein the holding rib of the counter-contour piece is provided at least partly at an inner peripheral side of the latch section and/or in a passage recess of the latch section which can be plugged onto the actuation bolt.

6. A locking device in accordance with claim 4 or 5, wherein the holding ribs are configured in the form of saw teeth and/or the surface structure has a contour such that plug-on forces which are necessary for the axial plugging on of the latch section and the actuation bolt are smaller than removal forces which are necessary for the axial pulling of the latch section from the actuation bolt and for the release of the latch connection.

7. A locking device in accordance with any one of the preceding claims, wherein a plurality of latch projections are provided at the rotary guide part which are arranged staggered behind one another in the longitudinal direction of the rotary guide part such that a respective other latch projection can be latched with an exact fit with marginal contours of the recess of different thicknesses.

8. A locking device in accordance with any one of the preceding claims, wherein the actuation bolt is rotatably received in the rotary guide part and the rotary guide part is configured such that the rotary guide part is rotationally fixedly latchable in the recess.

9. A locking device in accordance with any one of the preceding claims, wherein the actuation bolt and/or the rotary guide part has/have detent means for axial detent, allowing axial rotary movements of the actuation bolt at the rotary guide part, wherein the said detent means are configured such that the actuation bolt is movable elastically a little axially from the axial position latched as intended and is urged back elastically by the detent means into the axial position latched as intended.

10. A locking device in accordance with any one of the preceding claims, wherein the actuation bolt and/or the rotary guide part has/have second detent means for the releasable rotary detent of the actuation bolt in an unlocked rotary position and/or in a locked rotary position.

11. A locking device in accordance with claim 10, wherein the second detent means are provided at an axial support surface of the rotary guide part and/or of the actuation bolt and/or comprise at least one transverse rib extending transversely to the axis of rotation of the actuation bolt and/or one transverse groove extending transversely to the axis of rotation of the actuation bolt.

12. A locking device in accordance with any one of the preceding claims, wherein the actuation bolt has an actuating head and can be plugged from one side into the recess such that the actuating head comes to lie on a side of the recess and the latch section can be set onto the actuation bolt from an oppositely disposed side of the recess.

13. A locking device in accordance with any one of the preceding claims, wherein the actuation bolt has a circular-cylindrical rotary guide section as well as a latch section which latch section has a cross-sectional contour which differs from the circular and which lies within the contour of the rotary guide section viewed in the longitudinal direction of the actuation bolt.

14. A locking device in accordance with claim 13, wherein the named latch section of the actuation bolt comprises oppositely disposed flattened portions at which the releasable detent means are provided.

15. Use of a locking device in accordance with any one of the preceding claims as a provisional transportation lock of a lockable corpus part of a gaming and/or entertainment device, which provisional transportation lock is replaced by a final closing system.