Locking device

The invention relates to a locking device for closing doors on cabinets, boxes or compartments.

It is known to provide a door with a locking device. A locking element of the locking device interacts with corresponding closing plates on the cabinet, on the box or on the compartment to be closed. In this case, the locking element can be a bolt or a push rod. In order to prevent unauthorized opening of the door, it is furthermore known to equip a locking device with a mechanical lock, such as a lock cylinder or an electronic lock, and to grant only authorized persons access or access. Such closing devices have a high level of safety. Unauthorized attempts therefore attempt to open the locking device by turning or displacing the locking element. In such an unauthorized attack from the outside, the locking device must resist a considerable resistance.

It is therefore an object of the invention to provide an improved locking device which can offer a high resistance to an unauthorized attack on the locking device, in particular can absorb high torques.

This object is achieved with a locking device having the features of claim 1. Advantageous embodiments are described in the dependent claims.

According to an aspect, there is provided a locking device for closing doors on cabinets, boxes or compartments, with a stator for attachment to the door, wherein the stator forms a pot-shaped housing shell, namely a floor which can be placed on the door and a wall surrounding the floor, having a rotor which is rotatably mounted on the stator and can be connected at the door-side end to a locking element in order to move the latter from a locking position into an unlocking position by movement of the rotor, having a blocking member which can be moved between a blocking position and a release position, wherein the movement of the rotor is possible only in the release position of the locking member, a coupling arrangement is provided which prevents an unauthorized rotation of the rotor, the coupling arrangement comprising a manually or electronically movable actuator, a driver cooperating with the actuator, and a locking member,

in that the blocking member has the shape of a cylinder and the cylinder axis runs parallel to the rotor axis, wherein in its blocking position the blocking member is immersed in a trough on the outside of the rotor or in a trough on the inner side of the wall of the stator and is held in this blocking position by spring force, wherein, in order to release the movement of the rotor, the actuator can be coupled to the driver and the blocking member can be displaced from the troughs into a release position counter to the spring force.

The new locking device for closing doors on cabinets, boxes or compartments comprises a housing for mounting on the door, wherein the housing forms the stator of the locking device and is pot-like, that is to say has a floor which can be placed on the door and which is fastened to the door leaf. A locking element acts on the other side of the door in a known manner with a closing plate on the cabinet, box or the compartment to be closed. The rotor is directly or indirectly connected to the movable locking element. As a result of a movement of the rotor in both directions of rotation, the locking element is moved from the locking position into the unlocking position or back into the locking position. For this purpose, the rotor is rotatably mounted on the housing. The new locking device comprises a coupling arrangement, wherein a locking mechanism prevents an unauthorized rotation of the rotor and thus also a rotation of the locking