

Title (en)
LOCKING DRIVE

Title (de)
VERRIEGELUNGSANTRIEB

Title (fr)
ENTRAÎNEMENT DE VERROUILLAGE

Publication
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Application
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Abstract (en)
[origin: CN110541624A] The invention discloses a locking driving device for locking/unlocking a wing of a window, a wing of a door, or analogs. The locking driving device comprises a shell; a mechanical locking energy storage device, wherein the energy stored in the locking energy storage device can be used to lock a wing; a mechanical unlocking energy storage device, wherein the energy stored in the unlocking energy storage device can be used to unlock the wing; a tensioning device, which can be loaded by the closed wing, is used to pre-tension all energy storage devices, and can be coupled to all energy storage devices; and a controller. The controller can trigger pre-tensioned locking energy storage device to release energy to lock the wing and trigger the pre-tensioned unlocking energy storage device to unlock the wing. The tensioning device is coupled to all energy storage devices through connection pieces. The connection pieces can be operated in idleness in order to cancel the coupling between the tensioning device and the energy storage devices when the wing is opened. Moreover, the connection pieces can couple the tensioning device and the energy storage devices when the wing is closed; and through the closed fan, the energy storage devices are pre-tensioned.

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