

Title (en)

ROTATING CATCH LOCK, SPECIALLY FOR MOTOR VEHICLES

Title (de)

DREHFALLENSCHLOSS, INSBESONDERE FÜR KRAFTFAHRZEUGE

Title (fr)

SERRURE A LOQUET TOURNANT, EN PARTICULIER POUR VEHICULES A MOTEUR

Publication

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Application

**EP 98934956 A 19980612**

Priority

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- EP 9803564 W 19980612

Abstract (en)

[origin: WO9858146A1] The invention relates to a rotating catch lock, wherein a closing member (10) interacts with a catch (20), which can be rotated between a closing position accommodating the closing member (10) and an open position which releases said member. The catch (20) is force-loaded (22) in an open position and is held by a spring-loaded (33) rotating latch (30) in the closed position. Said latch (30) is moved by a motor (50) between the locking position retaining the catch (20) and a stand-by release position in which the spring-loaded latch (30) is propped up by the catch (20) as long as it remains in an open position. In order to use small compact motors (50), the invention provides that the stored energy (61) exerted by an energy storage mechanism (60) is transmitted to the latch (30) via a storage lever (40). Normally, the latch (30) is shifted into its stand-by position by the storage lever (40). When the latch (30) is in a stand-by position, the storage lever (40) is supported on a control tappet (51) which is rotationally driven by the motor (50). The motor (50) can be driven by an electrical control logic in both a forward mode (56) unloading the energy storage (60) and a reverse mode (56') loading the energy storage (60), i.e. in opposite directions. In the reverse mode (56') the control tappet (51) releases the latch (30), moves towards the storage lever (40) and guides it back into a starting position which corresponds to the stand-by position of the latch (30).

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Citation (search report)

See references of WO 9858146A1

Cited by

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