

Title (en)
LOCK FOR DOORS OR LIDS ON VEHICLES

Title (de)
SCHLOSS FÜR TÜREN ODER KLAPPEN AN FAHRZEUGEN

Title (fr)
SERRURE POUR PORTIERES OU CAPOTS DE VEHICULES

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Application
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Abstract (en)
[origin: US7380844B2] In a lock fitted with a rotary latch (30), a detent (40) is provided that can engage inside a preliminary catch and inside a main catch (32) of the rotary latch (30). The rotary latch (30) receives a locking part and can be transferred either manually or by means of a motor between an open position, a preliminary catch position and a main catch position (30.2). The motor-driven displacement ensues via a closing aid or an opening aid. In order to obtain a space-saving design, the invention provides that a locking lever (10) is eccentrically mounted on the rotary latch (30) and is held in a central position by an impulse spring whereby functioning as a closing aid. A stationary, rotationally mounted driving element (50) serves an opening aid, and an opening lever (20) is rotationally mounted on this driving element. This opening lever (20) is also held in a central position by an impulse spring. The locking lever (10) projects inside the preliminary catch position always in the path of rotation of the eccentric (21) and is entrained in one direction when the motor turns. In an analogous manner, the opening lever (20) projects into the main catch position (30.2) in the path of rotation of the eccentric (21) and is entrained in the opposite direction during rotation (23). The entrained opening lever (20) pushes, via the driver (50), the detent (40) from the rotary latch (30), whereby the door is opened by a motor.

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E05B 65/12 (2006.01)

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Cited by
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