

Title (en)
LATCH FOR VEHICLES

Title (de)
VERSCHLUSS FÜR FAHRZEUGE

Title (fr)
FERMETURE POUR VÉHICULES

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Application
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• DE 102006052626 A 20061108

Abstract (en)
[origin: US8186730B2] The invention relates to a latch that comprises a lock and a closing part (10). Said lock comprises a catch (15), a click (20) equipped with an adjusting arm (21) and a motorised opening aid (30). Said catch (15) comprises a receiving element for the closing part (10) and at least one stop notch (17) for engaging the click (20). The opening aid (30) is equipped with an eccentric (40) that is driven by a motor, whereby the eccentric curve interacts with a lateral adjusting surface of the adjusting arm (21) and ensures that the click (20) is displaced in a motorised manner from its locked position in the stop notch (17) into an elevated position. In order to prevent problems in the latch, an end segment (42) of the eccentric (40) and/or the adjusting arm (21) of the click (20) is elastic. When in the elevated position, the click (20) is on a fixed stop (18), performing an elastic deformation (59) when passing the eccentric end segment (42) on the adjusting arm (21) of the click (20), until an end-sided shoulder of the eccentric (40) catches behind a counter shoulder on the adjusting arm (21). After catching, the eccentric shoulder is supported on the click counter shoulder and prevents the eccentric (40) from reversing.

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