

Title (en)

ELECTRIC LOCK COMPRISING ACTUATING DEVICE FOR A MOTOR VEHICLE LOCK

Title (de)

ELEKTROSCHLOSS MIT BETÄTIGUNGSEINRICHTUNG FÜR EIN KRAFTFAHRZEUGSCHLOSS

Title (fr)

SERRURE ÉLECTRIQUE AVEC MOYEN DE COMMANDE D'UNE SERRURE DE VÉHICULES AUTOMOBILES

Publication

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Application

EP 16754173 A 20160726

Priority

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Abstract (en)

[origin: WO2017025082A1] The aim of the invention is to be able to constantly open a locking mechanism of an electrically actuated lock of a motor vehicle with sufficiently large force, without having to provide an excessively large electric motor and/or an excessively large gearing transmission ratio for this purpose. In order to solve the problem, a lock for a motor vehicle comprises a locking mechanism (3) and an actuator device for opening the locking mechanism (3). The actuation device comprises a rotatable actuator (1) which can be rotated by a motorised drive (15), in particular by an electric drive. A rotating of the actuator (1) brings about an unlocking, i.e. an opening, of the locking mechanism (3). The locking mechanism (3) can be opened independently of the direction of rotation of the actuator (1). Opening of the locking mechanism (3) is therefore not dependent upon a defined direction of rotation. The force with which the locking mechanism (3) is opened depends on the direction of rotation of the actuator (1). Opening can therefore be achieved with different force depending on the direction of rotation. In this way, in regular operation opening is possible with a lower force compared to a case requiring a greater force for opening. In regular operation, in which a conventional force is used for opening the locking mechanism (3), opening is achieved quickly and with low expenditure of energy. However, it is still possible, if necessary, albeit with delay, to be able to open with greater force for this purpose.

IPC 8 full level

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