

Title (en)

ACTUATING DEVICE FOR A MOTOR-VEHICLE ELECTRIC LOCK HAVING A SPRING ACCUMULATOR

Title (de)

BETÄTIGUNGSEINRICHTUNG FÜR EIN KRAFTFAHRZEUGELEKTROSCHLOSS MIT FEDERSPEICHER

Title (fr)

DISPOSITIF D'ACTIONNEMENT POUR SERRURE ÉLECTRIQUE DE VÉHICULE AUTOMOBILE À ACCUMULATEUR À RESSORT

Publication

**EP 3274528 A1 20180131 (DE)**

Application

**EP 16717089 A 20160321**

Priority

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- DE 2016100131 W 20160321

Abstract (en)

[origin: WO2016150432A1] The aim of the invention is to be able to open a locking mechanism (1, 3) of an electrically actuated lock of a motor vehicle with sufficiently large force, without having to provide an excessively large electric motor (14) and/or an excessively large gearing transmission ratio for this purpose. In order to achieve the aim, an actuating device for opening the locking mechanism (1, 3) comprises a releasing mechanism (9, 11, 12, 13, 14), by means of which a locking mechanism (1, 3) can be opened by actuation of the actuating device. The actuating device comprises a preloaded spring (16, 38, 42), which, by relaxing, is able to open an associated locking mechanism or at least contributes to the ability to open an associated locking mechanism. A release device is provided, which can release the preloaded spring. If the preloaded spring is released, the spring relaxes and thus contributes to the ability of an associated locking mechanism to open by means of the spring force. Thus, a force or at least an additional force is provided by the spring, by means of which force a blocking lever of the locking mechanism is then moved out of the blocking position or a pawl (3) is then moved out of the locking position thereof. The actuating device is intended above all for extreme cases that rarely occur, such an accident in which the lock is deformed and thus the lock cannot be opened by means of typical force. If an extreme case nevertheless arises, an electrical drive (28) releases the preloaded spring, which then enables opening by means of increased force.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2016150432A1

Cited by

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