

Title (en)

CLOSING DEVICE FOR A MOTOR VEHICLE LOCK

Title (de)

ZUZIEHEINRICHTUNG FÜR EIN KRAFTFAHRZEUGSCHLOSS

Title (fr)

DISPOSITIF DE FERMETURE POUR SERRURE DE VÉHICULE AUTOMOBILE

Publication

EP 4384683 A1 20240619 (DE)

Application

EP 22748249 A 20220720

Priority

- DE 102021120893 A 20210811
- DE 2022100529 W 20220720

Abstract (en)

[origin: WO2023016600A1] The invention relates to a closing device for a motor vehicle lock, in particular to a closing aid for a motor vehicle door lock. According to its basic design, said closing aid has a locking mechanism (1, 2) substantially consisting of a rotary latch (1) and a pawl (2). Furthermore, an electric motor (5) and a transmission (6, 7, 8, 9) upstream of the electric motor (5) are implemented. The transmission (6, 7, 8, 9) operates preferably on the rotary latch (1) at least during a closing operation. According to the invention, a handle (10) is provided, which is mounted at a lock housing (4) for mechanically interrupting the closing operation, said handle impinging a force flux element (8), which can be selectively engaged and disengaged, as a component of the transmission (6, 7, 8, 9).

IPC 8 full level

E05B 81/20 (2014.01); **E05B 81/06** (2014.01); **E05B 81/22** (2014.01); **E05B 81/90** (2014.01); **E05B 83/26** (2014.01)

CPC (source: EP KR)

E05B 81/06 (2013.01 - KR); **E05B 81/20** (2013.01 - EP KR); **E05B 81/22** (2013.01 - KR); **E05B 81/34** (2013.01 - KR);
E05B 81/90 (2013.01 - EP KR); **E05B 83/18** (2013.01 - KR); **E05B 83/26** (2013.01 - EP KR); **E05B 81/06** (2013.01 - EP);
E05B 81/22 (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

DE 102021120893 A1 20230216; CN 117836498 A 20240405; EP 4384683 A1 20240619; KR 20240042068 A 20240401;
WO 2023016600 A1 20230216

DOCDB simple family (application)

DE 102021120893 A 20210811; CN 202280056072 A 20220720; DE 2022100529 W 20220720; EP 22748249 A 20220720;
KR 20247007907 A 20220720