

Title (en)
MOBILE ELECTRONIC LOCK

Title (de)
MOBILES ELEKTRONISCHES SCHLOSS

Title (fr)
CADENAS ÉLECTRONIQUE MOBILE

Publication
EP 4377536 A1 20240605 (DE)

Application
EP 22844227 A 20221229

Priority
• DE 102022100409 A 20220110
• EP 2022088002 W 20221229

Abstract (en)
[origin: CA3230403A1] A portable electronic lock comprises a lock body and a securing part that is movable relative to the lock body between a closed position and an open position. The lock body comprises an electromechanical locking device that has an electric motor, an entrainer, a rotating latch, a return spring, a blocking mechanism, and a control circuit for controlling the electric motor. The rotating latch can, starting from a locking position, be driven by the entrainer against the force of the return spring into an unlocking position in which the securing part is unlocked for a movement into the open position, wherein the entrainer is rotated back into a starting position again utilizing a rotational clearance. The blocking mechanism first blocks the rotating latch in the unlocking position against a return movement. By moving the securing part from the open position into the closed position, the blocking mechanism can be released to trigger an unblocking of the rotating latch and thus a relaxing of the return spring so that the rotating latch is mechanically driven by the return spring to make a return movement into the locking position.

IPC 8 full level
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CPC (source: EP)
E05B 47/0012 (2013.01); **E05B 67/22** (2013.01); **E05B 2047/0057** (2013.01); **E05B 2047/0095** (2013.01)

Citation (search report)
See references of WO 2023131572A1

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DOCDB simple family (publication)
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