

Title (en)

ELECTROMECHANICAL LOCK OPERATION DEVICE WITH VIBRATORY DECOUPLING

Title (de)

ELEKTROMECHANISCHE SCHLOSSBETRIEBSVORRICHTUNG MIT VIBRATIONSENTKUPPLUNG

Title (fr)

DISPOSITIF ÉLECTROMÉCANIQUE D'ACTIONNEMENT DE SERRURE À DÉCOUPLAGE VIBRATOIRE

Publication

EP 3690170 B1 20240508 (FR)

Application

EP 19215163 A 20191211

Priority

FR 1901070 A 20190204

Abstract (en)

[origin: CN111519986A] A latch-actuated electromechanical device (10) comprises: an outer housing (18) intended to be fastened to a face (201) of a door leaf (200); a coupling mechanism (11) provided within an internal volume defined by the outer housing (18), rotatably movable relative to the outer housing (18), and easily rotatably fixed to a rotor of a latch cylinder (101) of the latch (100); and an actuator (13) comprising an electric motor and a decelerator and allowing the coupling mechanism (11) to be electrically driven in a rotating manner. The device (10) advantageously comprises: a support (16), which is arranged in an internal volume delimited by the outer housing (18) and on which the actuator (13) is fastened according to a rigid interlocking connection; and a damping element (24) made of an elastically deformable material, ensuring a damped mechanical connection of the support (16) to the outer housing (18), thereby imparting a vibratory separation between the support (16) and the outer housing (18).

IPC 8 full level

E05B 17/00 (2006.01); **E05B 47/00** (2006.01)

CPC (source: CN EP)

E05B 9/00 (2013.01 - CN); **E05B 15/00** (2013.01 - CN); **E05B 17/00** (2013.01 - CN); **E05B 17/0041** (2013.01 - CN); **E05B 17/0045** (2013.01 - CN EP); **E05B 19/00** (2013.01 - CN); **E05B 47/0012** (2013.01 - CN); **E05B 2047/0022** (2013.01 - CN); **E05B 2047/0058** (2013.01 - CN); **E05B 2047/0083** (2013.01 - EP)

Cited by

EP4361387A1

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DOCDB simple family (publication)

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EP 19215163 A 20191211; CN 202010079691 A 20200204; FR 1901070 A 20190204