

Title (en)

ELECTROMECHANICAL LOCK ARRANGEMENT WITH AN ELECTRIC ACTUATOR

Title (de)

ELEKTROMECHANISCHE VERRIEGELUNG MIT EINEM ELEKTRISCHEN AKTUATOR

Title (fr)

AGENCEMENT DE SERRURE ÉLECTROMÉCANIQUE COMPORTANT UN ACTIONNEUR ÉLECTRIQUE

Publication

EP 3922787 B1 20221102 (EN)

Application

EP 20179284 A 20200610

Priority

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Abstract (en)

[origin: EP3922787A1] Electromechanical lock arrangement (10) with an electric actuator (20) which actuator comprises; an electric motor (30) with a bidirectionally rotatable output shaft (32), a drive shaft (40) which is connected to or formed integral with the output shaft (32) and which comprises an external helical thread portion (43), and a linearly displaceable sled (50) comprising an engagement portion which is arranged to engage the external thread portion (43) for driving the sled (50) longitudinally along the rotational axis upon rotation of the drive shaft (40). The sled (50) comprises a resilient latch (56) which is arranged to block longitudinal displacement of the sled (50) in a first longitudinal direction, at a first axial position when the drive shaft (40) is not rotating and to allow longitudinal displacement of the sled (50) in the first longitudinal direction, past the first axial position, when the drive shaft (40) is rotating.

IPC 8 full level

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CPC (source: EP)

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Cited by

US11525279B2; SE2250735A1; WO2023241936A1

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