

Title (en)

ELECTRICALLY ENERGIZED CYLINDER LOCK

Title (de)

ELEKTRISCH ERREGTES ZYLINDERSCHLOSS

Title (fr)

SERRURE À BARILLET ALIMENTÉE ÉLECTRIQUEMENT

Publication

EP 3585959 A1 20200101 (EN)

Application

EP 18710558 A 20180223

Priority

- NL 2018421 A 20170224
- NL 2018050119 W 20180223

Abstract (en)

[origin: WO2018156024A1] Cylinder lock including an electric motor which operates a coupling mechanism, the coupling mechanism including a blocking assembly with a control element that controls the position of a blocking element. The blocking element in a blocking position engages in a blocking recess in an outer plug of the cylinder lock. The control element is connected via a transmission with an output rotation shaft of the electric motor. The transmission preferably includes a bistable driving assembly and a torsion spring element which connects the bistable driving assembly with the control element, so that only a brief energization of the electric motor is needed to bring the bistable driving assembly from one stable position to the other stable position, and when the blocking element cannot be brought into the blocking position directly, the energy supplied by the electric motor is temporarily stored as built-up spring tension, after which the control element rotates further under the influence of the spring tension as soon as the blocking element can move into a blocking recess.

IPC 8 full level

E05B 47/00 (2006.01); **E05B 13/00** (2006.01); **E05B 47/06** (2006.01)

CPC (source: EP)

E05B 13/005 (2013.01); **E05B 47/0012** (2013.01); **E05B 47/0615** (2013.01); **E05B 47/0653** (2013.01); **E05B 47/0688** (2013.01); **E05B 2047/0031** (2013.01)

Citation (search report)

See references of WO 2018156024A1

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Designated extension state (EPC)

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