Title (en)

Solenoid-operated electric lock

Title (de)

Elektromagnetisch betätigtes elektrisches Schloss

Title (fr)

Verrou électrique à solénoïde

Publication

EP 2472034 A1 20120704 (EN)

Application

EP 10197363 A 20101230

Priority

EP 10197363 A 20101230

Abstract (en)

A solenoid-operated electric lock includes a lock casing (1), a catch (11) movably mounted on the lock casing (1), and a solenoid (2) received in the lock casing (1). The solenoid (2) includes a housing (21), a first magnet (22) and a second magnet (23) mounted on the housing (21), and a movable iron core (24) disposed in the housing (21). A first bolt (25) is disposed on the movable iron core (24). A wire coil (26) is wound around the movable iron core (24). The locking casing (1) receives a driving member (3), a first gearing device (4), and a second gearing device (5). The driving member (3) is selectively pressed by the first bolt (25). The first gearing device (4) is engaged with the driving member (3) and has a rotatable cylinder (43) mounted therein. The second gearing device (5) has a lever (51) abutting against the catch (11). The lever (51) has an abutting portion (52) formed thereon for releasably connecting with the rotatable cylinder (43).

IPC 8 full level

E05B 47/00 (2006.01)

CPC (source: EP)

E05B 47/0047 (2013.01); E05B 2047/0073 (2013.01)

Citation (search report)

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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)

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