

Title (en)
Electromechanical door lock

Title (de)
Elektromechanisches Türschloss

Title (fr)
Serrure de porte électromécanique

Publication
EP 1617019 B1 20101006 (DE)

Application
EP 05014583 A 20050706

Priority
DE 102004034530 A 20040715

Abstract (en)
[origin: DE102004034530B3] The lock has a door lock housing (2) with a closing latch plate (3) in the housing and a protruding position which is lockable. An electrical operating device (4) in the housing withdraws the latch. A spring-tensioned cage (5) centers the latch plate in its blocking position in an opening of an impact plate (6). The cage has a central part which is mobile inside the housing having a wedge-shaped part. The wedge-shaped part is connected in relation to the central part which lags the wedge-shaped part. Actuators (7, 28) move according to the strength of the electrical operating device to the latch plate with a first closing device locked for the blocking the cage in its protruding position, during which the latch plate is in a blocking position. In longitudinal direction of the door lock housing the movable actuator is moved in a direction along the longitudinal axis of the door lock housing with the blockage of the latch plate. The latch plate during its movement in the door lock housing with the second actuator brings a connection to the cage. The second actuator of the first lock is spring-tensioned and has a swivel release (12) stored in the door lock housing.

IPC 8 full level
E05B 47/02 (2006.01); **E05B 59/00** (2006.01); **E05B 63/20** (2006.01); **E05B 47/00** (2006.01); **E05B 65/10** (2006.01)

CPC (source: EP)
E05B 63/20 (2013.01); **E05B 47/0012** (2013.01); **E05B 59/00** (2013.01); **E05B 65/1086** (2013.01); **E05B 2015/105** (2013.01); **E05B 2047/0017** (2013.01); **E05B 2047/0024** (2013.01)

Cited by
CN107399663A; EP1936074A3; EP2666939A3; EP1816289A1; EP1970505A3; DE102007027580B4; CN114458102A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1617019 A2 20060118; EP 1617019 A3 20060510; EP 1617019 B1 20101006; AT E483875 T1 20101015; DE 102004034530 B3 20051124; DE 502005010328 D1 20101118; ES 2353507 T3 20110302

DOCDB simple family (application)
EP 05014583 A 20050706; AT 05014583 T 20050706; DE 102004034530 A 20040715; DE 502005010328 T 20050706; ES 05014583 T 20050706