

Title (en)

Locking system, in particular door lock, window lock or similar

Title (de)

Schliessanlage, insbesondere Türverschluss, Fensterverschluss oder dergleichen

Title (fr)

Système de verrouillage, notamment serrure de porte, serrure de fenêtre ou similaire

Publication

EP 1464781 A3 20070530 (DE)

Application

EP 03028797 A 20031213

Priority

DE 10310085 A 20030306

Abstract (en)

[origin: EP1464781A2] The final wheel in the central gearing (7) comprises two separate gear-wheels and the one intermeshing with the corresponding gearing wheel is a free-wheel (15) containing a curved slot (17) with a given length. The gear-wheel intermeshing with the push bar connection slides (8) is an output wheel (16) with a follower cam (18) extending into the slot in the free-wheel. The length of the slot is chosen so that the free-wheel only has to be rotated through less than 360 deg. by the motor gearing (10) when the central gearing is still, in order to completely lock or unlock the central lock (1) and satellite bolt (3). The locking device comprises a key-operated central lock, a drive motor and a push bar operated by this lock and motor in order to operate a satellite bolt. The central lock has a lock cylinder connected to the push bar via a central gearing and push bar connection slides. The final wheel in the central gearing has two gear rims, one for intermeshing with the push bar connection slides and the other for intermeshing with a gear-wheel in the central gearing.

IPC 8 full level

E05C 9/12 (2006.01); **E05B 47/00** (2006.01); **E05C 9/04** (2006.01)

CPC (source: EP)

E05C 9/041 (2013.01); **E05C 9/047** (2013.01); **E05B 15/004** (2013.01); **E05B 47/0012** (2013.01); **E05B 2047/0016** (2013.01); **E05B 2047/002** (2013.01)

Citation (search report)

- [Y] EP 1213426 A1 20020612 - ROTO FRANK EISENWAREN [AT]
- [Y] EP 1213425 A1 20020612 - FLIETHER KARL GMBH & CO [DE]
- [A] DE 3836694 A1 19900503 - FLIETHER KARL GMBH & CO [DE]
- [A] DE 10024952 A1 20011129 - FLIETHER KARL GMBH & CO [DE]
- [A] EP 0564440 A1 19931006 - ROTO FRANK EISENWAREN [AT]

Cited by

CN107859440A; DE202010004686U1; ITBO20110624A1; CN107882440A; EP2703584A3; SE544380C2; WO2008135964A1; WO2009072919A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)

AL LT LV MK

DOCDB simple family (publication)

EP 1464781 A2 20041006; EP 1464781 A3 20070530; EP 1464781 B1 20110223; AT E499501 T1 20110315; DE 10310085 A1 20040923; DE 10310085 B4 20051215; DE 50313488 D1 20110407

DOCDB simple family (application)

EP 03028797 A 20031213; AT 03028797 T 20031213; DE 10310085 A 20030306; DE 50313488 T 20031213