Title (en)

A DEVICE FOR MECHANICAL GUIDING, A LOCK MODULE AND A LOCK DEVICE COMPRISING SUCH A DEVICE

Title (de)

VORRICHTUNG ZUR MECHANISCHEN FÜHRUNG, VERRIEGELUNGSMODUL UND SOLCH EINE VORRICHTUNG UMFASSENDE VERRIEGELUNGSVORRICHTUNG

Title (fr)

DISPOSITIF DE GUIDAGE MECANIQUE, MODULE DE VERROUILLAGE ET DISPOSITIF DE VERROUILLAGE COMPRENANT UN TEL DISPOSITIF

Publication

EP 1774124 B1 20100407 (EN)

Application

EP 05754087 A 20050622

Priority
- SE 2005000983 W 20050622
- SE 0401610 A 20040622

Abstract (en)

[origin: WO2005124069A1] A device for mechanically guiding components in a lock arrangement, preferably for guiding a follower unit, comprising an electrically actuable manoeuvring element (21) preferably a motor. A first engagement element (23,24) is coupled mechanically to the manoeuvring element for linear movement along a movement axis between a first and a second end position. A first arm (25) which is rotatable about a rotatable shaft (A) includes a second engagement element (27) located in mechanical engagement with the first engagement element. Because each of the first and second engagement elements (23,24,27) includes a groove (27) which extends at least partially out of parallel with the movement axis of the first engagement element, the first arm is caused to rotate when the first engagement element moves linearly. This results in a simple and flexible guide device.

IPC 8 full level

E05B 47/06 (2006.01); E05B 47/00 (2006.01); E05B 63/16 (2006.01)

IPC 8 main group level

E05B (2006.01)

CPC (source: EP SE)

E05B 47/0676 (2013.01 - SE); **E05B 47/0688** (2013.01 - EP); E05B 47/0012 (2013.01 - EP); E05B 63/16 (2013.01 - EP); E05B 2047/0016 (2013.01 - EP); E05B 2047/0023 (2013.01 - EP); E05B 2047/0025 (2013.01 - EP)

Cited by

DE102014104139A1; CN105587171A; EP3827151A4; US11447981B2; EP3505710A1

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005124069 A1 20051229; AT E463643 T1 20100415; AU 2005254927 A1 20051229; AU 2005254927 B2 20100121; AU 2005254927 B9 20100603; CN 101014750 A 20070808; CN 101014750 B 20110727; DE 602005020452 D1 20100520; DK 1774124 T3 20100802; EP 1774124 A1 20070418; EP 1774124 B1 20100407; HK 1110372 A1 20080711; NO 20070383 L 20070122; NZ 552507 A 20090731; SE 0401610 D0 20040622; SE 0401610 L 20051223; SE 528660 C2 20070116

DOCDB simple family (application)

SE 2005000983 W 20050622; AT 05754087 T 20050622; AU 2005254927 A 20050622; CN 200580020617 A 20050622; DE 602005020452 T 20050622; DK 05754087 T 20050622; EP 05754087 A 20050622; HK 08100905 A 20080124; NO 20070383 A 20070122; NZ 55250705 A 20050622; SE 0401610 A 20040622