

Title (en)
CLOSING DEVICE

Title (de)
SCHLIESSEINRICHTUNG

Title (fr)
DISPOSITIF DE VERROUILLAGE

Publication
EP 2473690 B1 20140507 (DE)

Application
EP 10747396 A 20100825

Priority
• CH 13482009 A 20090831
• CH 2010000209 W 20100825

Abstract (en)
[origin: WO2011022855A1] The invention relates to a locking device, comprising a rotor (4), which is rotatably supported in a stator (5). The rotor (4) can be coupled to an output element (8, 9) by an electronically controlled drive. The electronically controlled drive is arranged in the rotor (4), and when the rotor rotates, the electronically controlled drive rotates with the rotor. According to the approach of the invention, the locking device comprises a spring element (14) in the rotor, wherein said spring element couples the electrical drive to a coupling element (15) such that when the drive inside the rotor (4) is actuated as intended, the coupling element (15) is moved by the spring element (14), wherein said motion could be blocked by a corresponding counterforce against the spring force.

IPC 8 full level
E05B 47/00 (2006.01); **E05B 17/04** (2006.01); **E05B 47/06** (2006.01)

CPC (source: EP)
E05B 47/0649 (2013.01); **E05B 47/0012** (2013.01); **E05B 2047/0031** (2013.01)

Citation (opposition)
Opponent : Uhlmann & Zacher GmbH
• GREHN ET AL: "Metzler Physik, 2. auflage", 1988, pages: 38, 43 - 45, XP055469253
• HERBERT WITTEL ET AL: "Roloff/Matek Maschinenelemente, 19. Auflage", 2009
• "Lieferschein", WIKIPEDIA, 29 January 2009 (2009-01-29), XP055469259, Retrieved from the Internet <URL:https://de.wikipedia.org/w/index.php?title=Lieferschein&oldid=55977685>

Cited by
DE102019113514A1; DE102019113514B4; EP4273355A1

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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2011022855 A1 20110303; CH 701790 A2 20110315; EP 2473690 A1 20120711; EP 2473690 B1 20140507; ES 2486254 T3 20140818

DOCDB simple family (application)
CH 2010000209 W 20100825; CH 13482009 A 20090831; EP 10747396 A 20100825; ES 10747396 T 20100825