

Title (en)

Lock cylinder with slip-clutch coupling to a rotating knob handle

Title (de)

Schliesszylinder mit rutschgekuppeltem Drehknopf

Title (fr)

Serrure cylindrique couplée par embrayage à surcharge à un bouton tournant

Publication

**EP 1223270 A3 20031126 (DE)**

Application

**EP 01129168 A 20011208**

Priority

DE 20100424 U 20010111

Abstract (en)

[origin: EP1223270A2] The lock cylinder has a cylinder core (2) rotatably arranged in a cylinder housing and rotatably driving a lock member (3), whereby the cylinder core is slip-coupled with a rotary knob (4). The rotary knob with a cylindrical flange section (5) rotatably locates in the core hollow (6) of the cylinder housing. An end section (7) of the cylinder core projects with clearance into a bore (8) of the flange section. The slip coupling has a ball securement (9) comprising pressure springs, which apply pressure on securing balls working in conjunction with securement troughs.

IPC 1-7

**E05B 13/00**; E05B 17/20; E05B 9/04

IPC 8 full level

**E05B 9/10** (2006.01); **E05B 13/00** (2006.01); **E05B 17/00** (2006.01)

CPC (source: EP)

**E05B 9/041** (2013.01); **E05B 47/0615** (2013.01); **E05B 13/005** (2013.01); **E05B 17/0058** (2013.01)

Citation (search report)

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- [A] EP 0341656 A2 19891115 - ILCO UNICAN INC [CA]
- [A] CH 334964 A 19581231 - ZEISS IKON AG [DE]
- [A] DE 1150005 B 19630606 - C ED SCHULTE G M B H SCHLOSS U

Cited by

AU2015258186B2; US2019242154A1; CN111926528A; US2019284840A1; AU2007306929B2; GB2469652A; GB2469652B; US10612273B2; WO2008043150A1; US10626634B2; US11447974B2; US11261964B2; US11913545B2

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