

Title (en)  
Modular cylinder lock

Title (de)  
Modularer elektromechanischer Schliesszylinder

Title (fr)  
Serrure cylindrique modulaire

Publication  
**EP 1739631 A1 20070103 (DE)**

Application  
**EP 05013641 A 20050624**

Priority  
EP 05013641 A 20050624

Abstract (en)  
The cylinder has reading units (27, 29) with an input unit to enter input and a receiving unit to receive input signals. The reading units with the input and receiving units are arranged such that they are spatially separated from evaluation electronics (17) in knobs (25, 26). Each knob is connected with a knob shaft (14) in an electrically and mechanically detachable manner. The electronics is arranged in a housing and in the shaft. The reading units generate an access signal from the input or the input signal, where the access signal is evaluated by the electronics.

IPC 8 full level  
**E05B 47/06** (2006.01); **G07C 9/00** (2006.01)

CPC (source: EP US)  
**E05B 47/0638** (2013.01 - EP US); **G07C 9/00182** (2013.01 - EP US); **G07C 9/00896** (2013.01 - EP US); **G07C 9/00706** (2013.01 - EP US); **G07C 9/00944** (2013.01 - EP US); **G07C 2009/00769** (2013.01 - EP US); **Y10T 70/5805** (2015.04 - EP US); **Y10T 70/7062** (2015.04 - EP US); **Y10T 70/7068** (2015.04 - EP US); **Y10T 70/7079** (2015.04 - EP US); **Y10T 70/7102** (2015.04 - EP US); **Y10T 70/7107** (2015.04 - EP US); **Y10T 292/57** (2015.04 - EP US); **Y10T 292/82** (2015.04 - EP US)

Citation (search report)  
• [X] EP 1174572 A2 20020123 - BUGA SCHLIESSSYSTEME AG [DE]  
• [X] EP 1256671 A2 20021113 - BKS GMBH [DE]  
• [A] US 2004040355 A1 20040304 - GOLDMAN ILAN [IL]  
• [A] DE 19851308 A1 19990512 - TERRA DOM HAUSBAU GMBH [DE]  
• [A] US 4901545 A 19900220 - BACON MICHAEL E [US], et al  
• [A] DE 10225368 C1 20030731 - BUGA SCHLIESSSYSTEME AG [DE]

Citation (third parties)  
Third party : Lohr, Jöstingmeier & Partner  
• EP 0978611 B1 20040929 - WILKE HEINRICH HEWI GMBH [DE]  
• DE 29511547 U1 19961121 - WILKE HEINRICH HEWI GMBH [DE]  
• US 6588243 B1 20030708 - HYATT JR RICHARD G [US], et al  
• ROLOFF; MATEK: "Maschinenelemente", 2005, VIEWEG VERLAG, ISBN: 978-3-528-17028-8, article "Achsen, Wellen und Zapfen", pages: 318, XP055272392

Cited by  
EP2800069A1; FR3045698A1; AT512646A4; EP2706172A3; EP2323106A3; AT513051A4; EP2706173A3; WO2011011897A1; DE102013107617A1; DE102013113752A1; WO2017103530A1; WO2014101911A1; EP2706173A2; EP2706172A2; EP2453085B1

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AL BA HR LV MK YU

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DOCDB simple family (application)  
**EP 05013641 A 20050624**; CA 2551000 A 20060623; CA 2925711 A 20060623; US 42443706 A 20060615