

Title (en)
CYLINDER LOCK WITH ANTI-BREAKING FUNCTION

Title (de)
ZYLINDERSCHLOSS MIT ANTIBRUCHFUNKTION

Title (fr)
SERRURE À CYLINDRE PRÉSENTANT FONCTION ANTI-RUPTURE

Publication
EP 2992152 A1 20160309 (EN)

Application
EP 14733965 A 20140414

Priority
• BG 240213 A 20130429
• BG 2014000016 W 20140414

Abstract (en)
[origin: WO2014176647A1] Cylinder lock with anti-breaking function can be implemented in locking devices with increased security for living houses, public and industrial buildings. The cylinder lock consists of inner housing part (1) with rotatable mounted therein inner core (3), in channel (13) of which there is disposed composite cam (7), and outer housing part (2) with rotatable mounted therein outer core (4). Both housing parts (1, 2) are joined by connecting element (5) with weakened section. In the inner core (3) there is formed radial profile core bore (20) in which there is disposed retaining element (21) under the spring (25) and pin (26) pressure. In the inner core (3) there is disposed extender (22), supporting compression spring (12), which pushes first switching element (10a) together with central pin (19) until its engagement in a forward position with first transmitting plate (9) in the composite cam (7), so that the retaining element (21) gets out of the radial profile core bore (20) and falls onto the extender (22) behind the first switching element (10a).

IPC 8 full level
E05B 9/04 (2006.01); **E05B 9/10** (2006.01); **E05B 15/16** (2006.01); **E05B 17/04** (2006.01); **E05B 17/20** (2006.01)

CPC (source: EP RU)
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Citation (search report)
See references of WO 2014176647A1

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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 RS SE SI SK SM TR

Designated extension state (EPC)
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WO 2014176647 A1 20141106; **WO 2014176647 A4 20141211**; CN 105164352 A 20151216; DK 2992152 T3 20180409; EP 2992152 A1 20160309; EP 2992152 B1 20171220; ES 2662861 T3 20180410; HR P20180398 T1 20180420; HU E038482 T2 20181029; PL 2992152 T3 20180629; RU 2015136765 A 20170605; RU 2630571 C2 20170911; SI 2992152 T1 20180629; UA 112614 C2 20160926

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