

Title (en)
Security device for lock cylinders

Title (de)
Sicherheitsvorrichtung für Schliesszylinder

Title (fr)
Dispositif de sécurité pour serrures cylindriques

Publication
EP 1707711 A3 20070801 (EN)

Application
EP 06251384 A 20060315

Priority
ES 200500736 A 20050330

Abstract (en)
[origin: EP1707711A2] A security device for lock cylinders, which consist of a plug-rotor (1) which is rotatable in a cavity of a lock cylinder housing (2), which locks use true keys (4) in which the combination for opening is by means of peaks and valleys of different sizes, with the valleys operating in conjunction with respective pairs of pins (5, 6), which each comprise a plug-rotor pin (5) and a lock cylinder housing pin (6) which is loaded by a spring (7), and the plug-rotor (1) incorporating a keyway (8) for insertion of the true key (4), in which there is provided a usual virtual line (9) corresponding to longitudinal alignment of the tips of the plug-rotor pins (5) when no key is inserted; characterised in that at least one of the plug-rotor pins (5) is formed as a security pin (10) which includes some end means which prevents the security pin (10) from reaching the usual virtual line (9) in the state in which the true key (4) is not inserted or the lock is empty, and its advance reaches only a virtual security line (9B) which is shorter than that of the usual virtual line (9).

IPC 8 full level
E05B 27/00 (2006.01)

CPC (source: EP ES)
E05B 27/0017 (2013.01 - EP ES); **E05B 27/0057** (2013.01 - EP)

Citation (search report)

- [XA] US 4961328 A 19901009 - MUNDHENKE ERICH [DE]
- [X] FR 2577969 A1 19860829 - MICROPHOT [FR]
- [X] EP 0771920 A1 19970507 - WINKHAUS FA AUGUST [DE]
- [XA] AT 6498 U1 20031125 - KABA GEGE GMBH [AT]

Cited by
EP2075394A1; DE102007000177A1; CN102322188A; EP2085542A1; EP2281985A3; EP2108767A3; CN102535972A; EP1997981A3; AU2008100399B4; EP3696353A1; EP1997981A2

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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
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