

Title (en)
Cylinder lock

Title (de)
Zylinderschloss

Title (fr)
Serrure à barillet

Publication
EP 2108767 A2 20091014 (EN)

Application
EP 09155655 A 20090319

Priority
IT PD20080110 A 20080409

Abstract (en)
A cylinder lock (10), comprising: - a stator (11), - a cylindrical rotor (12) for the actuation of the bolt, which is accommodated rotatably within the stator (11) and in which a slot (13) for the insertion of a key (14) for the operation of the lock is formed, - coding pins (15) and driver pins (16) for blocking the rotation of the rotor (12) within the stator (11), which can slide within radial holes (17a, 17b) provided correspondingly within the rotor (12) and within the stator (11), - elastic means (18) for pushing the coding pins (15) against an internal wall (19) of the slot (13), which faces the holes (17a, 17b), the elastic means (18) being further adapted to align the coding pins (15) and the driver pins (16) to allow the rotation of the rotor (12) within the stator (11) when one key (14) having a predefined profile for opening the lock is inserted in the slot (13), - at least one pusher (20), which is accommodated in at least one first hole (21) of the holes (17a, 17b) and defines a safety position for at least one first pin (22) of the coding pins (15), in which the first coding pin (22) is spaced from the wall (19) even when no key (14) is inserted in the slot (13).

IPC 8 full level
E05B 27/00 (2006.01)

CPC (source: EP)
E05B 27/0042 (2013.01); **E05B 27/0057** (2013.01)

Cited by
CN102953591A; EA033498B1; EP3628800A1; WO2016162891A1

Designated contracting state (EPC)
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 TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2108767 A2 20091014; EP 2108767 A3 20130220; IT PD20080110 A1 20091010

DOCDB simple family (application)
EP 09155655 A 20090319; IT PD20080110 A 20080409