

Title (en)
DOOR LOCK, ESPECIALLY IN A LOCKER IN A COLLECTIVE DEPOSIT BOX, REMOTELY CONTROLLED BY AN ACCESS CODE

Title (de)
TÜRSCHLOSS, INSBESONDERE IN EINEM SCHLIESSFACH IN EINEM SAMMELABLAGEKASTEN, FERNGESTEUERT DURCH EINEN ZUGANGSCODE

Title (fr)
SERRURE DE PORTE, EN PARTICULIER DANS UN CASIER D'UNE BOÎTE AUX LETTRES COLLECTIVE, COMMANDÉE À DISTANCE PAR UN CODE D'ACCÈS

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EP 3683386 A1 20200722 (EN)

Application
EP 19000582 A 20191220

Priority
PL 42861419 A 20190118

Abstract (en)
The lock contains a one-sided electromagnetic actuator (8) built inside a box housing (1), whose core (8.1) drives the ejector lever (4) of the lever system (4, 3, 7), which is mounted on the pivot (1.1) of the housing (1) and which, through the holes in the front wall (2) of the housing (1), blocks the door (9) of the box with the end of the hook (3.1) of the latch (3) and pushes the door (9) away from the front wall (2) with the foot (4.1) of the ejector (4). The electromagnetic actuator (8) with the movable core (8.1) is directed towards the rear edge of the ejector (4). The latch (3) and the ejector (4) are loaded with a spiral spring (6) mounted on the pivot (1.1) in the direction of locking the hook (3.1) of the door (9) and retracting the foot (4.1) of the ejector (4). The hook (3.1) behind the front wall (2) is covered from the front and on both sides by the walls of the hook cover (7) mounted on the pivot (1.1) and guided in the hole of the front wall (2). The essence of the invention lies in the fact that the lever system consists of two separate, flat lever elements of the latch (3) and the ejector (4), which adjoin each other with the front surfaces and are pivotably mounted on the pivot (1.1) of the housing (1) and which act on each other through protruding pins (3.2, 4.2) in such a way that after tilting the hook (3.1) of the latch (3) by the action of the electromagnetic actuator (8) and opening the ejector with the foot (4.1) of the box door, the hook (3.1) of the latch (3) returns back to the closed position under the action of the spiral spring (6).

IPC 8 full level
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Citation (applicant)
PL 221985 B1 20160630 - INTEGER PL SPÓŁKA AKCYJNA [PL]

Citation (search report)
• [AD] PL 221985 B1 20160630 - INTEGER PL SPÓŁKA AKCYJNA [PL] & EP 2843161 A1 20150304 - INTEGER PL S A [PL]
• [A] WO 2005026475 A2 20050324 - STANLEY SECURITY SOLUTIONS INC [US], et al
• [A] FR 2753224 A1 19980313 - JEAMBRUN APPAREILLAGES [FR]
• [A] US 5393110 A 19950228 - NAKAMORI HIROSHI [JP], et al

Designated contracting state (EPC)
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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DOCDB simple family (application)
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