

Title (en)
Padlock

Title (de)
Vorhängeschloss

Title (fr)
Cadenas

Publication
EP 2333204 A1 20110615 (EN)

Application
EP 09178740 A 20091210

Priority
EP 09178740 A 20091210

Abstract (en)
A padlock (1) comprising a body (2) in which a first seat (3) is formed to which a pivot (4) is slidingly associated, the body (2) and the pivot (4) being shaped in such a way so that together they form a ring that can be selectively opened and closed by way of the sliding of the pivot with respect to the body; in the body a cavity (12) is formed that is arranged transversally to the first seat (3) and communicates therewith, to which a pin (13) is slidingly associated and is adapted to abut against a first groove (14), that is provided within the pivot (4), to temporarily block the sliding of the pivot with respect to the first seat (3) in the condition in which the padlock is closed. One or more appendages (19) protrude about radially from the lateral surface of the pin (13) and interact with one or more cams (20) that are rotatably associated within the body (2) and that selectively interact with magnetic means (26) that are adapted to selectively modify the position of the cams (20) in order to either block or allow the pin (13) to slide within the cavity (12), and respectively block or unblock the sliding of the pivot (4) with respect to the first seat (3).

IPC 8 full level
E05B 47/06 (2006.01); **E05B 37/14** (2006.01); **E05B 47/00** (2006.01); **E05B 67/22** (2006.01); **E05B 67/36** (2006.01)

CPC (source: EP)
E05B 37/14 (2013.01); **E05B 47/0038** (2013.01); **E05B 47/0045** (2013.01); **E05B 67/22** (2013.01); **E05B 67/36** (2013.01)

Citation (search report)
• [A] US 7076976 B1 20060718 - GOLDMAN ILAN [IL]
• [A] GB 2427648 A9 20090218 - PBT IP LTD [GB]
• [A] US 6047575 A 20000411 - LARSON WAYNE F [US], et al
• [A] DE 202005007711 U1 20050804 - SANCHEZ ALEXANDER W [DE]

Cited by
ITUB20155521A1; EP3741932A1; US11585119B2; WO2017008104A1; WO2013023794A3; EP4159959A1; DE102021125310A1; WO2018184070A1; US11391067B2; DE102022111846A1; WO2023217448A1

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 SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2333204 A1 20110615; EP 2333204 B1 20130703

DOCDB simple family (application)
EP 09178740 A 20091210