

Title (en)
PADLOCK

Title (de)
HANGSCHLOSS

Title (fr)
CADENAS

Publication
EP 3538725 A1 20190918 (DE)

Application
EP 17821842 A 20171208

Priority
• DE 102016125283 A 20161221
• EP 2017082027 W 20171208

Abstract (en)
[origin: WO2018114400A1] The invention relates to a padlock comprising a lock body and a clip, which is movably mounted on the lock body between a closed position, in which the clip engages with a first clip end and an opposing second clip end in the lock, and an open position, in which the clip is released from the lock at least with the second clip. Said padlock comprises a cylinder arrangement, which is formed separately from the lock body and comprises a cylinder core, which is rotatable about a cylinder axis by means of an associated key, wherein the cylinder core bears directly against the lock body. The cylinder arrangement is inserted into a receptacle of the lock body and interacts with a latching mechanism of the padlock in such a way that the latching mechanism secures the clip in a locking position of the cylinder core against displacement out of the closed position and releases the clip in an unlatching position of the cylinder core for movement into the open position. Furthermore, the cylinder arrangement comprises at least one tumbler, which is movably received in the cylinder arrangement, secures the cylinder core as a function of the respective position of the tumbler against rotation out of the latching position or releases the cylinder core for rotation into the unlatching position and is arranged completely inside the cylinder arrangement, and a resiliently mounted retaining pin, which engages behind an abutment edge stop of the lock body in order to keep the cylinder arrangement in a positively locking manner in the receptacle of the lock body.

IPC 8 full level
E05B 9/04 (2006.01); **E05B 27/00** (2006.01); **E05B 67/24** (2006.01)

CPC (source: EP)
E05B 9/04 (2013.01); **E05B 9/084** (2013.01); **E05B 27/0014** (2013.01); **E05B 67/24** (2013.01)

Citation (search report)
See references of WO 2018114400A1

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)
BA ME

DOCDB simple family (publication)
DE 102016125283 A1 20180621; EP 3538725 A1 20190918; TW 201823572 A 20180701; WO 2018114400 A1 20180628

DOCDB simple family (application)
DE 102016125283 A 20161221; EP 17821842 A 20171208; EP 2017082027 W 20171208; TW 106144815 A 20171220