

Title (en)

Locking and unlocking device using a key for a stamp or a cover on a frame, in particular of a manhole cover

Title (de)

Vorrichtung zum Verriegeln und Entriegeln einer Abdeckung oder eines Deckels auf einem Rahmen mit Hilfe eines Schlüssels, insbesondere von Fahrbahnschachtabdeckungen

Title (fr)

Dispositif de verrouillage et de déverrouillage à l'aide d'une clé d'un tampon ou couvercle sur un cadre, notamment de regard de chaussée

Publication

EP 1882779 B1 20090701 (FR)

Application

EP 07290900 A 20070718

Priority

FR 0653075 A 20060721

Abstract (en)

[origin: EP1882779A1] The device has a bolt (8) removably assembled and guided in translation in a housing (10) of a plug. A helical compression spring (13) that is interposed between the bolt and a base wall (14) of the housing maintains the bolt in a locked position. The bolt includes a transversal branch (16) on which an end (7) of a key (3) acts upon for displacing the bolt to an unlocking position of the plug of a frame. The bolt is made of a plastic material i.e. polyacetal.

IPC 8 full level

E02D 29/14 (2006.01)

CPC (source: EP US)

E02D 29/1427 (2013.01 - EP US); **Y10T 70/554** (2015.04 - EP US)

Cited by

FR2956418A1; EP4001512A1; CH718074A1; WO2011101582A3

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1882779 A1 20080130; EP 1882779 B1 20090701; AT E435339 T1 20090715; CA 2593966 A1 20080121; CN 101109250 A 20080123; CN 101109250 B 20120822; DE 602007001421 D1 20090813; FR 2904014 A1 20080125; FR 2904014 B1 20081010; NO 20073855 L 20080122; SG 139681 A1 20080229; US 2008022731 A1 20080131

DOCDB simple family (application)

EP 07290900 A 20070718; AT 07290900 T 20070718; CA 2593966 A 20070719; CN 200710130115 A 20070720; DE 602007001421 T 20070718; FR 0653075 A 20060721; NO 20073855 A 20070723; SG 2007053473 A 20070718; US 77942807 A 20070718