

Title (en)
INTERLOCKING SYSTEM

Title (de)
VERRIEGELUNGSSYSTEM

Title (fr)
SYSTÈME D'INTERVERROUILLAGE

Publication
EP 3536880 A1 20190911 (EN)

Application
EP 19464001 A 20190215

Priority
RO 201800157 A 20180307

Abstract (en)
According to the invention, the interlocking system consists essentially of two Nitinol springs (1) and (2) attached to one end of the fixed plate (3), and at the other end of the movable plate (4) with the locking element (5), whose bi-directional displacement obtained by heating the springs, controls the position of two cams (6) and (7) by means of guiding grooves (8 ' , 8' ') 9), (9 '), (9' ') and leads to the locking or unlocking of the mobile element (12).The abstract of the invention will be published together with Figure 1.

IPC 8 full level
E05B 47/00 (2006.01)

CPC (source: EP)
E05B 47/0009 (2013.01)

Citation (applicant)
RO 108993 B1 19941031 - APOSTU CRISTIAN [RO]

Citation (search report)
• [AD] RO 108993 B1 19941031 - APOSTU CRISTIAN [RO]
• [A] US 2016281389 A1 20160929 - CHOW LESLIE HO LEUNG [CN]
• [A] DE 102011004832 A1 20120830 - KIEKERT AG [DE]
• [A] US 2011127781 A1 20110602 - MEIDINGER WARREN J [US], et al
• [A] WO 2014192032 A1 20141204 - CISA SPA [IT]

Cited by
EP4195420A1

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)
EP 3536880 A1 20190911; EP 3536880 B1 20200930; RO 133623 A2 20190930

DOCDB simple family (application)
EP 19464001 A 20190215; RO 201800157 A 20180307