

Title (en)
LOCKING AND UNLOCKING SYSTEM

Title (de)
VER- UND ENTRIEGELUNGSSYSTEM

Title (fr)
SYSTÈME DE VERROUILLAGE ET DEVERROUILLAGE

Publication
EP 3252878 B1 20190807 (FR)

Application
EP 17174194 A 20170602

Priority
FR 1655043 A 20160602

Abstract (en)
[origin: US2017352986A1] A secure locking and unlocking system includes a plug body that is cylindrical in shape, a locking ring and a notched washer. One face of the notched washer is positioned on the locking surface of the locking ring. The system further includes a holding pin that locks the position of a locking element and an upper ring mounted on the locking ring. The locking ring includes a ramp-shaped groove with a linear part, a rising ramp and a descending ramp. A ramp spring is configured so that the locking or unlocking movement of the upper ring is mobile and the locking ring is fixed. The upper ring includes a hole in which a lug is placed. The end of the lug cooperates with the ramp-shaped groove of the locking ring that guides the upper ring in relation to the locking ring.

IPC 8 full level
H01R 13/622 (2006.01)

CPC (source: EP US)
H01R 13/533 (2013.01 - US); **H01R 13/622** (2013.01 - EP US); **H01R 13/6275** (2013.01 - US); **H01R 13/639** (2013.01 - US)

Cited by
CN108601279A

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

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EP 17174194 A 20170602; FR 1655043 A 20160602; US 201715611697 A 20170601