

Title (en)

HIGH SECURITY CYLINDER LOCK AND KEY FOR THE SAME

Title (de)

HOCHSICHERES ZYLINDERSCHLOSS UND SCHLÜSSEL DAFÜR

Title (fr)

SERRURE À BARILLET DE HAUTE SÉCURITÉ ET CLÉ POUR CETTE DERNIÈRE

Publication

**EP 2976480 A1 20160127 (EN)**

Application

**EP 14732411 A 20140313**

Priority

- IT BO20130122 A 20130322
- IT 2014000072 W 20140313

Abstract (en)

[origin: WO2014147654A1] Apparatus comprising a lock and the key for the said lock in which the key offers an improved security against the unauthorized duplication because it comprises a moveable element that on its own surface carries bi-dimensional shape-type ciphers that are strongly interdependent with a further mono-dimensional cipher that is represented by the relative position between the moveable element and the part of the key that is coupled to the same element; and in which the lock comprises a mechanism for verifying the ciphers on the moveable element by checking the proper matching between the bi-dimensional shape-type ciphers and their own conjugate shapes through a powertrain configuration that is intrinsically resistant to the possibility of being manipulated using "bumping" (impulse) style techniques, and in which the said mechanism is implemented according to a technical solution can be industrially manufactured easily and with reduced production costs.

IPC 8 full level

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CPC (source: EP)

**E05B 27/0042** (2013.01); **E05B 27/0082** (2013.01); **E05B 35/003** (2013.01)

Citation (search report)

See references of WO 2014147654A1

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BA ME

DOCDB simple family (publication)

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