

Title (en)

Rotary disc lock and key security system

Title (de)

Sicherheitssystem aus Schloss mit drehbaren Zuhaltungsscheiben und zugehörigem Schlüssel

Title (fr)

Système de sécurité comportant une serrure à clavette et clé correspondante

Publication

**EP 1767730 A1 20070328 (EN)**

Application

**EP 05077263 A 20050921**

Priority

EP 05077263 A 20050921

Abstract (en)

Rotary disc lock and key security device characterised in that, in the circular hollow centre of the said separator discs (5) there exist some projecting means (6) which are formed towards the inside and are arranged symmetrically relative to the path of entry of the shaft (2) of the key (1) into the lock, whilst in this shaft (2) there are some recessed means (7) which are reciprocal with the said projecting means (6), and are inter-penetrable with the latter by means of rotary adjustment, the said projecting means (6) operating in conjunction with the said recessed means (7) in relation to the rotary manoeuvre corresponding to the said first typical quarter-turn of the key (1) of rotary-disc locks, and the shaft (2) of which key (1) has, starting from its tip, a smooth area free from the said cut bevels (4), which has a length greater than the distance between two adjacent separator discs (5).

IPC 8 full level

**E05B 21/06** (2006.01)

CPC (source: EP)

**E05B 21/066** (2013.01)

Citation (search report)

- [A] DE 2245729 A1 19740404 - PRESCOTT BURNERD CLARK
- [A] GB 1543627 A 19790404 - WAERTSILAE OY AB
- [A] US 4062211 A 19771213 - MILLER HARRY C, et al

Cited by

EP3922788A1; US11988017B2

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 NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1767730 A1 20070328**

DOCDB simple family (application)

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