

Title (en)

Security element for verifying a security object and method for verifying same

Title (de)

Schutzelement zur Echtheitsprüfung eines Schutzgegenstandes und Verfahren zur Echtheitsprüfung desselben

Title (fr)

Élément de sécurité pour le contrôle d'authenticité d'un objet de sécurité et procédé de contrôle d'authenticité de celui-ci

Publication

**EP 2246824 A3 20110727 (DE)**

Application

**EP 10004426 A 20100427**

Priority

RU 2009115821 A 20090428

Abstract (en)

[origin: EP2246824A2] The protection element has a base and a metallized layer, where the metallized layer represents a single- or multi-layered metallized island layer made of granulated metal. The metallized layer has a nonlinear dependence on the electro-physical characteristics, when the layer is exposed to a weak electric direct current field or alternating current field. The granulated metal contains normal metal, ferromagnetic metal, magnetic metal alloys or non-magnetic metal alloys. An independent claim is also included for a method for authentication of a protection subject.

IPC 8 full level

**B42D 15/00** (2006.01); **G07D 7/02** (2006.01)

CPC (source: EP)

**G07D 7/02** (2013.01)

Citation (search report)

- [I] WO 03070482 A1 20030828 - GIESECKE & DEVRIENT GMBH [DE], et al
- [I] RU 2276409 C2 20060510
- [A] WO 02071345 A2 20020912 - WHD ELEKTRON PRUEFTECH GMBH [DE], et al
- [A] DE 19928059 A1 20001221 - WHD ELEKTRON PRUEFTECH GMBH [DE]
- [A] WO 02051646 A1 20020704 - OVD KINEGRAM AG [CH], et al
- [IA] DE 102005021514 A1 20061116 - GIESECKE & DEVRIENT GMBH [DE]
- [IA] EP 0057520 A2 19820811 - TOSHIBA KK [JP]
- [A] WO 2008034478 A1 20080327 - ALCAN TECH & MAN LTD [CH], et al

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA ME RS

DOCDB simple family (publication)

**EP 2246824 A2 20101103; EP 2246824 A3 20110727; RU 2406152 C1 20101210**

DOCDB simple family (application)

**EP 10004426 A 20100427; RU 2009115821 A 20090428**