Title (en)

SECURING THE AUTHENTICITY OF VALUE DOCUMENTS BY MEANS OF CHARACTERISTIC SUBSTANCES

Title (de)

ECHTHEITSSICHERUNG VON WERTDOKUMENTEN MITTELS MERKMALSSTOFFEN

Title (fr)

SIGNE DISTINCTIF D'AUTHENTICITE DE DOCUMENTS DE VALEUR PAR DES MATIERES CARACTERISTIQUES

Publication

EP 1934889 A1 20080625 (DE)

Application

EP 06792361 A 20061004

Priority

- EP 2006009603 W 20061004
- DE 102005047609 A 20051005

Abstract (en)

[origin: CA2624515A1] The invention relates to a characteristic substance for securing the authenticity of value documents. Said characteristic substance comprises at least one luminescent substance in the form of particles as well as nanoparticles which at least partly surround the surfaces of the luminescent substance particles, the properties of the characteristic substance resulting from the interaction of the properties of the luminescent substance and the nanoparticles. The invention further relates to a method for producing said characteristic substance, a method for securing the authenticity of a security element or value document with the aid of the characteristic substance, and security elements and value documents encompassing authenticity features based on the characteristic substance.

IPC 8 full level

G06K 19/00 (2006.01); **B41M 3/14** (2006.01); **G07D 7/00** (2006.01)

CPC (source: EP US)

B42D 25/29 (2014.10 - EP US); **B42D 25/36** (2014.10 - EP); **B42D 25/369** (2014.10 - EP US); **B42D 25/382** (2013.01 - EP US); **B42D 25/387** (2014.10 - EP US); **D21H 21/48** (2013.01 - US); Y10T 428/24835 (2015.01 - EP US); Y10T 428/25 (2015.01 - EP US); Y10T 428/2927 (2015.01 - EP US); Y10T 428/2991 (2015.01 - EP US)

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

DOCDB simple family (publication)

DE 102005047609 A1 20070412; AU 2006299019 A1 20070412; AU 2006299019 B2 20110324; CA 2624515 A1 20070412; CA 2624515 C 20160119; CN 101313316 A 20081126; CN 101313316 B 20120509; EP 1934889 A1 20080625; EP 1934889 B1 20140423; JP 2009510239 A 20090312; MY 165393 A 20180321; RU 2008117080 A 20091227; RU 2449363 C2 20120427; US 10836198 B2 20201117; US 2009258200 A1 20091015; US 2017036477 A1 20170209; WO 2007039288 A1 20070412

DOCDB simple family (application)

DE 102005047609 A 20051005; AU 2006299019 A 20061004; CA 2624515 A 20061004; CN 200680043347 A 20061004; EP 06792361 A 20061004; EP 2006009603 W 20061004; JP 2008533930 A 20061004; MY PI20080995 A 20080404; RU 2008117080 A 20061004; US 201615297563 A 20161019; US 8315706 A 20061004