

Title (en)

DATA CARRIER WITH A PRINTED SECURITY ELEMENT AND GRAVURE PRODUCTION METHOD THEREOF

Title (de)

DATENTRÄGER MIT GEDRUCKTEM SICHERHEITSELEMENT UND STICHTIEFDRUCKHERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

SUPPORT DE DONNEES POURVU D'UN ELEMENT DE SECURITE IMPRIME ET PROCEDE DE PRODUCTION PAR IMPRESSION EN HELIOGRAVURE DE CELUI-CI

Publication

**EP 1268213 B1 20071212 (DE)**

Application

**EP 00991275 A 20001228**

Priority

- DE 19963849 A 19991230
- EP 0013309 W 20001228

Abstract (en)

[origin: WO0149505A1] The invention concerns a data carrier with a printed security image that is produced by means of a gravure process. The printed security image consists of several contrasting structural elements that are disposed in exact register relative to one another. A first part of the structural elements is relief-like and can be felt tactually while a second part of the structural elements is flat and cannot be felt tactually.

IPC 8 full level

**B41M 1/24** (2006.01); **B41M 3/14** (2006.01); **B41C 1/00** (2006.01); **B41M 1/10** (2006.01); **B42D 15/00** (2006.01); **B42D 25/29** (2014.01)

CPC (source: EP US)

**B41M 1/10** (2013.01 - EP US); **B41M 3/14** (2013.01 - EP US); **B42D 25/29** (2014.10 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Designated extension state (EPC)

AL LT LV MK RO SI

DOCDB simple family (publication)

**WO 0149505 A1 20010712**; AT E380674 T1 20071215; AU 3164901 A 20010716; AU 772672 B2 20040506; BR 0016887 A 20021001; BR 0016887 B1 20081118; CA 2395964 A1 20010712; CA 2395964 C 20081202; CN 1197712 C 20050420; CN 1414912 A 20030430; DE 19963849 A1 20010712; DE 50014854 D1 20080124; EP 1268213 A1 20030102; EP 1268213 B1 20071212; EP 1268213 B2 20190403; ES 2298170 T3 20080516; JP 2003519034 A 20030617; MX PA02006507 A 20030212; PL 196059 B1 20071130; PL 358721 A1 20040809; RU 2002120472 A 20040220; RU 2258612 C2 20050820; US 2003145747 A1 20030807; US 7311043 B2 20071225; ZA 200204748 B 20040408

DOCDB simple family (application)

**EP 0013309 W 20001228**; AT 00991275 T 20001228; AU 3164901 A 20001228; BR 0016887 A 20001228; CA 2395964 A 20001228; CN 00817990 A 20001228; DE 19963849 A 19991230; DE 50014854 T 20001228; EP 00991275 A 20001228; ES 00991275 T 20001228; JP 2001549851 A 20001228; MX PA02006507 A 20001228; PL 35872100 A 20001228; RU 2002120472 A 20001228; US 16853402 A 20021017; ZA 200204748 A 20020613