

Title (en)
SECUREMENT OF DOCUMENTS OR PRODUCTS BY AFFIXING AN OPTICALLY ACTIVE COMPONENT FOR VERIFYING AUTHENTICITY

Title (de)
SICHERUNG FÜR DOKUMENTE ODER PRODUKTE DURCH AUFBRINGEN EINER OPTISCH AKTIVEN SUBSTANZ ZUR ECHTHEITSPRÜFUNG

Title (fr)
SECURISATION DE DOCUMENTS OU DE PRODUITS PAR APPPOSITION D'UN COMPOSANT OPTIQUEMENT ACTIF POUR LA VERIFICATION DE L'AUTHENTICITE

Publication
EP 1230097 B1 20030723 (FR)

Application
EP 00981428 A 20001117

Priority
• FR 0003201 W 20001117
• FR 9914601 A 19991119

Abstract (en)
[origin: WO0136213A1] The invention concerns a component for authenticating a document or a product, comprising a transparent plastic film embossed to display at least a diffraction grating, the embossed surface being at least partly coated with a metallized layer. The invention is characterised in that the embossed film includes a first zone (4) producing a rainbow effect with respect to the illuminating direction, said rainbow effect vanishing when the component is oriented perpendicularly to the first orientation, and a second zone (6) coated with a dielectric material producing a coloured effect of a first colour for a first orientation of the component and a second different colour for the orientation perpendicular to the first orientation.

IPC 1-7
B42D 15/00; **B42D 15/10**

IPC 8 full level
B42D 15/00 (2006.01); **B42D 15/10** (2006.01); **G03H 1/18** (2006.01); **G09F 19/12** (2006.01)

CPC (source: EP KR US)
B42D 15/00 (2013.01 - KR); **B42D 25/00** (2014.10 - US); **B42D 25/324** (2014.10 - EP); **B42D 25/328** (2014.10 - US); **B42D 25/355** (2014.10 - EP US); **B42D 25/373** (2014.10 - EP US); **B42D 25/425** (2014.10 - EP); **B42D 25/47** (2014.10 - US); **Y10S 428/913** (2013.01 - EP US); **Y10S 428/916** (2013.01 - EP US); **Y10T 428/24612** (2015.01 - EP US); **Y10T 428/24868** (2015.01 - EP US); **Y10T 428/24917** (2015.01 - 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

DOCDB simple family (publication)
WO 0136213 A1 20010525; AR 042759 A1 20050706; AT E245544 T1 20030815; AU 1868001 A 20010530; BR 0015504 A 20020702; BR 0015504 B1 20090113; CA 2392020 A1 20010525; CO 5200830 A1 20020927; DE 60004085 D1 20030828; DE 60004085 T2 20040422; DK 1230097 T3 20031027; EP 1230097 A1 20020814; EP 1230097 B1 20030723; ES 2203536 T3 20040416; FR 2801246 A1 20010525; FR 2801246 B1 20020125; JP 2003515182 A 20030422; KR 100533753 B1 20051206; KR 20020058017 A 20020712; MX PA02005036 A 20030523; PL 355872 A1 20040531; PT 1230097 E 20031231; RU 2002116376 A 20040220; RU 2236951 C2 20040927; US 2002164456 A1 20021107; US 7875338 B2 20110125

DOCDB simple family (application)
FR 0003201 W 20001117; AR P000106071 A 20001117; AT 00981428 T 20001117; AU 1868001 A 20001117; BR 0015504 A 20001117; CA 2392020 A 20001117; CO 00087625 A 20001117; DE 60004085 T 20001117; DK 00981428 T 20001117; EP 00981428 A 20001117; ES 00981428 T 20001117; FR 9914601 A 19991119; JP 2001538184 A 20001117; KR 20027006309 A 20020516; MX PA02005036 A 20001117; PL 35587200 A 20001117; PT 00981428 T 20001117; RU 2002116376 A 20001117; US 14532002 A 20020514