Title (en)
    OPTICALLY VARIABLE SECURITY ATTRIBUTE

Title (de)
    OPTISCH VARIABLES SICHERHEITSMERKMAL

Title (fr)
    CARACTERISTIQUE DE SECURITE VARIABLE OPTIQUEMENT

Publication
    EP 1185422 A1 20020313 (DE)

Application
    EP 00952853 A 20000614

Priority
• DE 0001908 W 20000614
• DE 19928060 A 19990615

Abstract (en)
    [origin: DE19928060A1] The invention relates to an optically variable security attribute for documents, securities, banknotes, packagings, and goods. The aim of the invention is to provide an optically variable security attribute having concealed detectable attributes in order to increase the security against counterfeiting. To this end, the invention provides an optically variable security attribute comprising diffractive structures that consist of an electrically conductive polymer and of at least one supporting film (1), a protective layer (7), a lacquer coat (3), and a reflecting layer (4), and the electrically conductive polymer is a polyethylene dioxythio polystyrene sulfonate (PEDT/PSS) arranged on different layers.

IPC 1-7
    B41M 3/14; B42D 15/00; B42D 15/10; D21H 21/48; G07D 7/00

IPC 8 full level
    B41M 3/14 (2006.01); **B42D 15/00** (2006.01); **B42D 25/328** (2014.01); **B42D 25/36** (2014.01); **B42D 25/40** (2014.01); **B42D 25/29** (2014.01); **D21H 21/48** (2006.01); **G02B 5/18** (2006.01); **G03H 1/18** (2006.01); **G06K 19/06** (2006.01)

IPC 8 main group level
    G07D 7/00 (2016.01)

CPC (source: EP KR US)
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Cited by
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DOCDB simple family (publication)
    US 7301682 B1 20071127; AT E241476 T1 20030615; BG 106133 A 20020628; BG 64546 B1 20050729; BR 0012312 A 20020514; CA 2374435 A1 20001221; CN 1355745 A 20020626; CZ 20014232 A3 20020313; CZ 298221 B6 20070725; DE 19928060 A1 20001221; DE 50002371 D1 20030703; DK 1185422 T3 20030915; EP 1185422 A1 20020313; EP 1185422 B1 20030528; ES 2199846 T3 20040301; HU P0201521 A2 20020828; JP 2003502688 A 20030121; JP 3913549 B2 20070509; KR 100666631 B1 20070110; KR 20020010627 A 20020204; MX PA01011689 A 20020730; NO 20016015 D0 20011210; NO 20016015 L 20011210; PL 193839 B1 20070330; PL 351651 A1 20030519; PT 1185422 E 20031031; SK 17772001 A3 20020702; SK 285524 B6 20070301; TR 200103242 T2 20020321; UA 69464 C2 20040915; WO 0076778 A1 20001221

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