

Title (en)

SECURITY DOCUMENT HAVING WATERMARK-LIKE STRUCTURE

Title (de)

SICHERHEITSDOKUMENT MIT WASSERZEICHENARTIGER STRUKTUR

Title (fr)

DOCUMENT DE SÉCURITÉ À STRUCTURE DE TYPE FILIGRANE

Publication

EP 2178707 B1 20140514 (DE)

Application

EP 08801587 A 20080808

Priority

- EP 2008006696 W 20080808
- DE 102007037982 A 20070810

Abstract (en)

[origin: WO2009021738A1] The invention relates to a composite security document (1, 1', 1'') having a watermark-like structure, and a method for producing such a composite security document, a plurality of layers (3-7) being prepared, the plurality of layers (3-7) being disposed one over another, and the plurality of layers (3-7) disposed one over the other being laminated in a high-pressure, high-temperature lamination process to form a monolithic document body (2), at least one recess (9, 17, 18-21) being made in at least one of the plurality of layers (3-7), and the plurality of layers being disposed such that the at least one recess (9, 17, 18-21) is closed at an upper and a lower side (15, 16) of the layers disposed one over the other, and the volume of the recess (9, 17, 18-21) being empty, and the at least one empty recess (9, 17, 18-21) being evacuated, and the lamination being performed so that a hollow relief structure (8, 8', 23-25) is formed in the document body (2).

IPC 8 full level

B42D 15/00 (2006.01); **B42D 25/00** (2014.01)

CPC (source: EP US)

B42D 25/00 (2014.10 - EP); **B42D 25/29** (2014.10 - EP); **B42D 25/324** (2014.10 - US); **B42D 25/333** (2014.10 - US); **B42D 25/45** (2014.10 - US); **B42D 25/346** (2014.10 - EP); **B42D 2033/22** (2022.01 - EP)

Cited by

EP3286012B1

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102007037982 A1 20090212; EP 2178707 A1 20100428; EP 2178707 B1 20140514; WO 2009021738 A1 20090219

DOCDB simple family (application)

DE 102007037982 A 20070810; EP 08801587 A 20080808; EP 2008006696 W 20080808