Title (en)
SECURITY DOCUMENT WITH MICROPERFORATED MATERIAL LAYERS AND METHOD FOR ITS PRODUCTION

Title (de)
SICHERHEITSDOKUMENT MIT MIKROPERFORIERTEN OPAKEN MATERIALSCHICHTEN UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)
DOCUMENT DE SÉCURITÉ AVEC DE COUCHES DE MATERIAU MICRO-PERFORÉS ET PROCÉDÉ POUR SA FABRICATION

Abstract (en)
[origin: WO2017005685A1] The invention relates to a security document (1) comprising a laminated document body (200) having a front side and a rear side, wherein the laminated document body (200) comprises at least two opaque material layers (9, 10, 201, 202) each having an inner side (205) and an outer side (206), wherein the inner sides (205) of the at least two opaque material layers (9, 10, 201, 202) face one another, and at least one transparent material layer (203) arranged between the at least two opaque material layers (9, 10, 201, 202), and wherein the at least two opaque material layers (9, 10, 201, 202) comprise perforations (12, 12'), wherein cross-sectional faces of the perforations (12, 12') on one plane of the material layers (9, 10, 201, 202, 203, 204) are not formed with rotational symmetry, and wherein further material layers (203) arranged between the at least two opaque material layers (9, 10, 201, 202) are all at least translucent, preferably all clear and transparent. The invention further relates to the corresponding method.

IPC 8 full level
B42D 25/346 (2014.01); **B42D 25/351** (2014.01); **B42D 25/435** (2014.01); **B42D 25/45** (2014.01)

CPC (source: EP)
B42D 25/346 (2014.10); **B42D 25/351** (2014.10); **B42D 25/435** (2014.10); **B42D 25/45** (2014.10)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
DE 102015212544 A1 20170105; EP 3317113 A1 20180509; EP 3317113 B1 20191120; WO 2017005685 A1 20170112

DOCDB simple family (application)
DE 102015212544 A 20150703; EP 16735850 A 20160704; EP 2016065695 W 20160704