

Title (en)

A SECURITY DOCUMENT AND A METHOD FOR MANUFACTURING OF A SECURITY DOCUMENT

Title (de)

SICHERHEITSDOKUMENT UND VERFAHREN ZUR HERSTELLUNG EINES SICHERHEITSDOKUMENTS

Title (fr)

DOCUMENT DE SÉCURITÉ ET PROCÉDÉ DE FABRICATION D'UN DOCUMENT DE SÉCURITÉ

Publication

**EP 3095615 A1 20161123 (EN)**

Application

**EP 15461534 A 20150520**

Priority

EP 15461534 A 20150520

Abstract (en)

A security document having a form of a laminate of a non-transparent middle layer (111) and outer layers (121, 131) having transparency greater than the middle layer (111), wherein the middle layer (111) has a plurality of apertures (211, 212, 221-224, 231-238, 311, 312, 321-324, 331-338, 411, 412, 421-424, 431-436, 511, 512, 521-524, 531-536, 611-616). The apertures (211, 212, 221-224, 231-238, 311, 312, 321-324, 331-338, 411, 412, 421-424, 431-436, 511, 512, 521-524, 531-536, 611-616) are arranged along a line (201, 301, 401, 501) and each of the apertures (211, 212, 221-224, 231-238, 311, 312, 321-324, 331-338, 411, 412, 421-424, 431-436, 511, 512, 521-524, 531-536, 611-616) has a length greater than the length of each of the distances (211A, 212A, 221A-224A, 231A-238A, 311A, 312A, 321A-324A, 331 A-338A, 411 A, 412A, 421 A-424A, 431 A-436A, 511 A, 521 A-523A, 531 A-535A) between the apertures (211, 212, 221-224, 231-238, 311, 312, 321-324, 331-338, 411, 412, 421-424, 431-436, 511, 512, 521-524, 531-536, 611-616), the lengths being measured along the path of the line (201, 301, 401, 501). A first cross-section of the security document in a first plane (PA) crossing the line (201, 301, 401, 501) comprises an aperture (211, 212, 221-224, 231-238, 311, 312, 321-324, 331-338, 411, 412, 421-424, 431-436, 511, 512, 521-524, 531-536, 611-616) of the middle layer (111); and a second cross-section of the security document in a second plane (PB) crossing the line (201, 301, 401, 501) comprises a full middle layer (111) without any apertures (211, 212, 221-224, 231-238, 311, 312, 321-324, 331-338, 411, 412, 421-424, 431-436, 511, 512, 521-524, 531-536, 611-616).

IPC 8 full level

**B42D 25/43** (2014.01); **B42D 25/346** (2014.01); **B42D 25/351** (2014.01); **B42D 25/45** (2014.01)

CPC (source: EP)

**B42D 25/346** (2014.10); **B42D 25/351** (2014.10); **B42D 25/43** (2014.10); **B42D 25/45** (2014.10)

Citation (applicant)

- EP 2261054 A1 20101215 - GEMALTO OY [FI]
- EP 2722193 A1 20140423 - GEMALTO SA [FR]

Citation (search report)

- [XY] WO 2012072214 A1 20120607 - GIESECKE & DEVRIENT GMBH [DE], et al
- [XY] WO 2011138007 A1 20111110 - GIESECKE & DEVRIENT GMBH [DE], et al
- [X] WO 2013013807 A1 20130131 - GIESECKE & DEVRIENT GMBH [DE], et al
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- [A] WO 2012117053 A1 20120907 - BUNDESDRUCKEREI GMBH [DE], et al
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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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3095615 A1 20161123**

DOCDB simple family (application)

**EP 15461534 A 20150520**