

Title (en)
SHEET OF PAPER FOR A SECURITY DOCUMENT, METHOD FOR PRODUCING THE SHEET OF PAPER, AND SECURITY DOCUMENT PRODUCED THEREWITH

Title (de)
BOGEN FÜR EIN SICHERHEITSDOKUMENT, VERFAHREN ZUR HERSTELLUNG DES BOGENS UND DARAUS HERGESTELLTES SICHERHEITSDOKUMENT

Title (fr)
FEUILLE POUR UN DOCUMENT DE SÉCURITÉ, PROCÉDÉ DE FABRICATION DE CETTE FEUILLE ET DOCUMENT DE SÉCURITÉ FABRIQUÉ À PARTIR DE CETTE FEUILLE

Publication
EP 3463924 B1 20200219 (DE)

Application
EP 17724342 A 20170516

Priority
• DE 102016109654 A 20160525
• EP 2017061746 W 20170516

Abstract (en)
[origin: WO2017202650A1] The invention relates to a sheet of paper (1) for forming a security document (2), comprising a carrier substrate (11) and n window elements (12) arranged in window recesses (11a) of the carrier substrate (11), wherein n is at least equal to 1 and wherein the n window elements (12) are formed from a window substrate (13). The n window elements (12) are integrally joined to the carrier substrate (11). The invention further relates to a method for producing the sheet of paper (1) and to a security document that comprises the sheet of paper (1).

IPC 8 full level
B42D 25/21 (2014.01); **B42D 25/346** (2014.01); **B42D 25/351** (2014.01)

CPC (source: EP US)
B42D 25/21 (2014.10 - EP US); **B42D 25/328** (2014.10 - US); **B42D 25/346** (2014.10 - EP US); **B42D 25/351** (2014.10 - EP US);
B42D 25/41 (2014.10 - US)

Citation (opposition)
Opponent : Mühlbauer GmbH & Co. KG
• US 3811977 A 19740521 - KRAMER D
• WO 2014108329 A1 20140717 - GIESECKE & DEVRIENT GMBH [DE]
• WO 2010142555 A1 20101216 - GEMALTO OY [FI], et al
• DE 102014000133 A1 20150716 - MELZER MASCHINENBAU GMBH [DE]
• EP 2275279 A1 20110119 - OBERTHUR TECHNOLOGIES [FR]
• DE 19634473 A1 19980122 - FINN DAVID [DE], et al
• DE 60005671 T9 20050707 - SCHLUMBERGER SYSTEMS & SERVICE [FR]
• DE 102005027380 A1 20061228 - OVD KINEGRAM AG [CH]
• DE 102008053582 B3 20100422 - GIESECKE & DEVRIENT GMBH [DE]
• WO 2015090956 A1 20150625 - GEMALTO SA [FR]
• EP 2512795 A1 20121024 - GIESECKE & DEVRIENT GMBH [DE]
• WO 2014060504 A1 20140424 - GEMALTO SA [FR]
• DE 19934434 A1 20010201 - BUNDESDRUCKEREI GMBH [DE]
• US 2010090009 A1 20100415 - DROZ FRANCOIS [CH]
• WO 2016041865 A1 20160324 - MUEHLBAUER GMBH & CO KG [DE]
• DE 102013104745 A1 20141113 - BUNDESDRUCKEREI GMBH [DE]
• BAYER: "Makrofol ID 4-4 010207", "Makrofol ID 6-2 000000", "Makrofol ID 6-2 750059" und "Makrofol ID 6-2 750061", BAYER MATERIALSCIENCE - FILM SPECIFICATION, 2013, XP055757086

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)
WO 2017202650 A1 20171130; CA 3024906 A1 20171130; DE 102016109654 A1 20171130; EP 3463924 A1 20190410;
EP 3463924 B1 20200219; ES 2775925 T3 20200728; HU E049256 T2 20200928; US 2020316983 A1 20201008

DOCDB simple family (application)
EP 2017061746 W 20170516; CA 3024906 A 20170516; DE 102016109654 A 20160525; EP 17724342 A 20170516; ES 17724342 T 20170516;
HU E17724342 A 20170516; US 201716303475 A 20170516