

Title (en)
Valuable document

Title (de)
Wertdokument

Title (fr)
Document de valeur

Publication
EP 2311646 B2 20160824 (DE)

Application
EP 09013077 A 20091016

Priority
EP 09013077 A 20091016

Abstract (en)
[origin: EP2311646A1] The document has a window-like through-hole (4) partially closed by a film (3), where the through-hole is created in a paper substrate (1) during production of the substrate. The film is applied to a bulge (2) of a substrate surface, where the bulge surrounds the through-hole. The through-hole is in a round, oval or polygonal shape or is implemented in the form of slit, chain, sign, symbol or pattern. The film exhibits visual or machine-detectable optically active, optically variable, optical, metallic, metal-like appearing or reflective, electrically conductive and magnetic characteristics. An independent claim is also included for a method for producing a valuable document with a window-like through-hole.

IPC 8 full level
D21H 21/42 (2006.01); **B42D 25/351** (2014.01); **B42D 25/36** (2014.01); **B42D 25/369** (2014.01); **B42D 25/373** (2014.01); **B42D 25/47** (2014.01)

CPC (source: EP US)
B42D 25/328 (2014.10 - US); **B42D 25/351** (2014.10 - EP US); **B42D 25/36** (2014.10 - EP); **B42D 25/369** (2014.10 - EP); **B42D 25/373** (2014.10 - EP); **B42D 25/47** (2014.10 - EP); **D21H 21/42** (2013.01 - EP)

Citation (opposition)
Opponent :

- WO 03054297 A2 20030703 - GIESECKE & DEVRIENT GMBH [DE], et al
- WO 9510420 A1 19950420 - KURZ LEONHARD FA [DE], et al
- WO 2008135174 A1 20081113 - GIESECKE & DEVRIENT GMBH [DE], et al
- WO 2005095118 A2 20051013 - KURZ LEONHARD FA [DE], et al
- US 2005173084 A1 20050811 - DOUBLET PIERRE [FR]
- EP 1657360 A1 20060517 - HUECK FOLIEN GMBH [AT]

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2311646 A1 20110420; **EP 2311646 B1 20121205**; **EP 2311646 B2 20160824**; BR 212012008963 U2 20151117; ES 2396940 T3 20130301; PL 2311646 T3 20130430; SI 2311646 T1 20130329; WO 2011044973 A1 20110421

DOCDB simple family (application)
EP 09013077 A 20091016; BR 212012008963 U 20100908; EP 2010005526 W 20100908; ES 09013077 T 20091016; PL 09013077 T 20091016; SI 200930507 T 20091016