

Title (en)

SECURITY PAPER AND A METHOD FOR THE PRODUCTION THEREOF

Title (de)

SICHERHEITSPAPIER UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

PAPIER DE SURETE ET PROCEDE POUR LE PRODUIRE

Publication

EP 1904311 B1 20110817 (DE)

Application

EP 06724688 A 20060503

Priority

- EP 2006004113 W 20060503
- DE 102005022018 A 20050512

Abstract (en)

[origin: US2008216976A1] The invention relates to a security paper for manufacturing security or value documents, such as banknotes, identification cards and the like, having at least two through openings (12, 16). According to the present invention, a first (12) of the through openings is produced during paper manufacture and exhibits characteristic irregularities in the edge region (14), while a second (16) of the through openings is produced after paper manufacture, by cutting or punching, having a sharply delimited edge region (18).

IPC 8 full level

B42D 15/00 (2006.01)

CPC (source: EP US)

B42D 25/29 (2014.10 - EP US); **B42D 25/40** (2014.10 - US); **B42D 25/43** (2014.10 - EP US); **D21H 21/40** (2013.01 - EP US);
D21H 25/005 (2013.01 - EP US); **D21H 27/00** (2013.01 - EP US); **B42D 25/333** (2014.10 - EP US); **B42D 25/346** (2014.10 - EP US);
B42D 2035/36 (2022.01 - EP)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2008216976 A1 20080911; AT E520543 T1 20110915; BR PI0612347 A2 20101103; CN 101171145 A 20080430;
CN 101171145 B 20130925; CN 101892612 A 20101124; DE 102005022018 A1 20061116; EP 1904311 A2 20080402;
EP 1904311 B1 20110817; EP 2143565 A1 20100113; EP 2143565 B1 20121212; ES 2368498 T3 20111117; RU 2007144576 A 20090620;
RU 2408466 C2 20110110; WO 2006119896 A2 20061116; WO 2006119896 A3 20070510

DOCDB simple family (application)

US 91365806 A 20060503; AT 06724688 T 20060503; BR PI0612347 A 20060503; CN 200680015800 A 20060503;
CN 201010190147 A 20060503; DE 102005022018 A 20050512; EP 06724688 A 20060503; EP 09009275 A 20060503;
EP 2006004113 W 20060503; ES 06724688 T 20060503; RU 2007144576 A 20060503