

Title (en)

SHEET WITH AN ANTICOPYING, REDUCED OPACITY AREA

Title (de)

NICHTKOPIERBARES DOKUMENT MIT EINER ZONE MIT BESCHRÄNKTER OPAZITÄT

Title (fr)

FEUILLE AVEC UNE ZONE D'OPACITE REDUITE ANTICOPIE

Publication

EP 1581397 B2 20151111 (FR)

Application

EP 03799692 A 20031223

Priority

- FR 0303874 W 20031223
- FR 0300017 A 20030102

Abstract (en)

[origin: US2006240226A1] The present invention relates to printable security paper that includes a region capable of receiving printed indicia on the front side and on the reverse side which are observable in reflected light and form an image observable in transmitted light, as security element protecting against two-sided copying, characterized in that such region is a screened region having an average overall opacity less than the opacity of the vellum part of the rest of the paper, said screened region being made up from alternations of vellum miniregions, having an approximately constant thickness equal to that of the vellum part of the rest of the paper, and of miniregions of reduced opacity because of their smaller thickness compared with the vellum miniregions. The invention also relates to the security document obtained with this paper.

IPC 8 full level

B42D 15/00 (2006.01); **B44F 1/12** (2006.01)

CPC (source: EP KR US)

B42D 15/00 (2013.01 - KR); **B42D 25/29** (2014.10 - EP US); **D21F 11/006** (2013.01 - KR); **D21F 11/08** (2013.01 - KR);
Y10T 428/24802 (2015.01 - EP US)

Citation (opposition)

Opponent :

- WO 0157312 A1 20010809 - ARJO WIGGINS SA [FR], et al
- EP 0388090 A1 19900919 - DE LA RUE CO PLC [GB]

Designated contracting state (EPC)

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

DOCDB simple family (publication)

US 2006240226 A1 20061026; US 7968173 B2 20110628; AT E555914 T1 20120515; AU 2003299398 A1 20040810; BR 0317915 A 20051129; CA 2511796 A1 20040729; CA 2511796 C 20110823; CN 100386217 C 20080507; CN 1735518 A 20060215; EP 1581397 A1 20051005; EP 1581397 B1 20120502; EP 1581397 B2 20151111; ES 2386543 T3 20120822; ES 2386543 T5 20160201; FR 2849624 A1 20040709; FR 2849624 B1 20050325; JP 2006512239 A 20060413; JP 4558507 B2 20101006; KR 101213381 B1 20121217; KR 20050089858 A 20050908; PL 223154 B1 20161031; PL 376859 A1 20060109; RU 2005124512 A 20060410; RU 2331524 C2 20080820; WO 2004062941 A1 20040729

DOCDB simple family (application)

US 54120203 A 20031223; AT 03799692 T 20031223; AU 2003299398 A 20031223; BR 0317915 A 20031223; CA 2511796 A 20031223; CN 200380108200 A 20031223; EP 03799692 A 20031223; ES 03799692 T 20031223; FR 0300017 A 20030102; FR 0303874 W 20031223; JP 2004566140 A 20031223; KR 20057012058 A 20031223; PL 37685903 A 20031223; RU 2005124512 A 20031223