

Title (en)
Security printing paper and method for its manufacturing

Title (de)
Sicherheitsdruckpapier und Verfahren zu ihrer Herstellung

Title (fr)
Papier à imprimer sécurisé et procédé d'obtention

Publication
EP 2292439 A1 20110309 (FR)

Application
EP 10290382 A 20100709

Priority
FR 0903407 A 20090710

Abstract (en)
The security print paper comprises a security mark (1) printed on a background surface of the paper by a thermochromic ink. The security mark consists of a design including regions (2, 3, 4) with a separate screening, where a value of screening is 50%. One of the areas of the design has an oval shape. The thermochromic ink includes blue 27[deg] with offset reference of 08114, pink 27[deg] with offset reference of 25094, blue 10[deg] with offset reference of 0326, two-colored blue/pink fluoborate 27[deg] with reference of 130503, two-colored green/yellow 27[deg] with reference of 120503. The security print paper comprises a security mark (1) printed on a background surface of the paper by a thermochromic ink. The security mark consists of a design including regions (2, 3, 4) with a separate screening, where a value of screening is 50%. One of the areas of the design has an oval shape. The thermochromic ink includes blue 27[deg] with offset reference of 08114, pink 27[deg] with offset reference of 25094, blue 10[deg] with offset reference of 0326, two-colored blue/pink fluoborate 27[deg] with reference of 130503, two-colored green/yellow 27[deg] with reference of 120503, and two-colored purple/blue fluoborate 27[deg] with reference of 200906. A grammage of paper is ≥ 75 gr/m². An independent claim is included for a process for fabricating a security print paper.

Abstract (fr)
L'invention a pour objet un papier à imprimer sécurisé et son procédé d'obtention. Le papier est remarquable en ce qu'il comporte au moins un signe de sécurité (1) imprimé à sa surface, ledit signe étant imprimé en arrière-plan sur la surface du papier avec au moins une encre thermochromique et ledit signe étant constitué par un dessin comportant au moins trois zones (2,3,4) avec un tramage distinct pour chacune des zones, la valeur de trame variant entre 18 et 50% bornes incluses et ledit dessin comporte au moins une zone(4) à valeur de trame de 45 à 50%. L'invention trouvera une application préférentielle pour réaliser du papier à en-tête de lettre, du papier de billetterie, des cartes de membres et permis de pêche, des feuilles de résultats d'analyses médicales, des formulaires administratifs officiels notamment.

IPC 8 full level
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Citation (applicant)
US 2003038974 A1 20030227 - HU HUVER [US]

Citation (search report)
• [IY] US 2003038974 A1 20030227 - HU HUVER [US]
• [Y] EP 1525994 A2 20050427 - PITNEY BOWES INC [US]
• [A] US 2004209096 A1 20041021 - BREHM LUDWIG [DE], et al
• [A] US 6413305 B1 20020702 - MEHTA RAJENDRA [US], et al
• [A] US 2002185035 A1 20021212 - KITAGAWA YOSUKE [JP], et al

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