

Title (en)

Method an apparatus for manufacturing security films

Title (de)

Verfahren und Vorrichtung zur Herstellung von Sicherheitsfolien

Title (fr)

Procédé et appareil pour fabriquer des feuilles de sécurité

Publication

EP 1520929 A1 20050406 (DE)

Application

EP 04015119 A 20040628

Priority

DE 10333468 A 20030722

Abstract (en)

The preparation of a security film for security paper comprising a translucent carrier film with a partially coated top layer comprises the preparation of the carrier film, printing of this with a high pigment printing ink, which is dried to form a colored coating (CC), the formation of a thin top layer on the printed carrier film, removal of the CC by solvent washing and mechanical action of a textile surface structure (sic), and drying and trimming of the carrier film. Independent claims are included for the following: (a) a safety film prepared as above; and (b) a device for carrying out the process using a washing device which includes a textile surface structure.

Abstract (de)

Die Erfindung betrifft ein Verfahren sowie eine Vorrichtung zur Herstellung von Sicherheitsfolien, die in oder auf Wertpapiere eingelagert oder aufgebracht werden und aus einer transluzenten Trägerfolie und einer darauf aufgetragenen Abdeckschicht mit beschichtungsfreien Bereichen in Form von Buchstaben, Zahlen, Zeichen, Punkten und/oder Mustern, die insbesondere im Durchlicht klar zu erkennen sind, bestehen <IMAGE>

IPC 1-7

D21H 21/44; B41M 3/14; B44C 3/00; B42D 15/00

IPC 8 full level

B42D 15/00 (2006.01); **D21H 21/44** (2006.01)

CPC (source: EP)

B42D 25/355 (2014.10); **D21H 21/44** (2013.01)

Citation (search report)

- [DA] WO 9913157 A1 19990318 - GIESECKE & DEVRIENT GMBH [DE], et al
- [DA] EP 0330733 A1 19890906 - GAO GES AUTOMATION ORG [DE]

Cited by

CN102639331A; DE102012010908A1; WO2013178349A1; DE102009052538A1; WO2011057739A1; US8920663B2

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 PL PT RO SE SI SK TR

Designated extension state (EPC)

AL HR LT LV MK

DOCDB simple family (publication)

EP 1520929 A1 20050406; **EP 1520929 B1 20090304**; AT E424479 T1 20090315; DE 10333468 A1 20050210; DE 502004009070 D1 20090416

DOCDB simple family (application)

EP 04015119 A 20040628; AT 04015119 T 20040628; DE 10333468 A 20030722; DE 502004009070 T 20040628