

Title (en)

Method and apparatus for preparing a substrate with security elements for security documents

Title (de)

Verfahren und Vorrichtung zum Herstellen eines Substrats mit Sicherheitselementen für Sicherheitsdokumente

Title (fr)

Procédé et appareil pour préparer un support comportant des éléments de sécurité pour documents infalsifiables

Publication

**EP 1273705 B1 20080827 (DE)**

Application

**EP 02012344 A 20020605**

Priority

DE 10132892 A 20010706

Abstract (en)

[origin: EP1273705A1] In a banknote security printing process a security mark is printed as an endless foil web of predetermined width which is then presented to the paper web. The foil is esp. sub-divided into the required dimensions shortly before application to the paper web. The foil is longitudinally cut by knife (6) into continuous webs (2) which are then registered on and applied to the paper web (14). The security mark is a thread which is fully or partly embedded within the paper web during manufacture of the paper web, or is bonded to the web surface. alternatively, the foil is a transfer foil, a paper web, or self-adhesive labels which are applied in a punch-process. Also claimed is an assembly for the production of security-printed documents incorporating a reservoir for the security mark, a merge-unit, and a cutter unit.

IPC 8 full level

**D21H 21/42** (2006.01); **B42D 15/00** (2006.01); **B42D 25/355** (2014.01)

CPC (source: EP)

**B42D 25/355** (2014.10); **D21H 21/42** (2013.01)

Cited by

DE102008021944A1; CN100433077C; EP2848425A3; EP3467200A1; US10195891B2; WO2008028262A1; EP2760680B1; EP2848425B1; EP3414104B1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Designated extension state (EPC)

SI

DOCDB simple family (publication)

**EP 1273705 A1 20030108**; **EP 1273705 B1 20080827**; AT E406478 T1 20080915; DE 10132892 A1 20030116; DE 50212696 D1 20081009; DK 1273705 T3 20081208

DOCDB simple family (application)

**EP 02012344 A 20020605**; AT 02012344 T 20020605; DE 10132892 A 20010706; DE 50212696 T 20020605; DK 02012344 T 20020605