

Title (en)

Method for generating a printing characteristic on a substrate of a printed product

Title (de)

Verfahren zum Erzeugen eines drucktechnischen Merkmals auf einem Substrat eines Druckprodukts

Title (fr)

Procédé de production d'une caractéristique d'impression sur un substrat d'un produit imprimé

Publication

EP 2308682 B1 20130619 (DE)

Application

EP 10170426 A 20100722

Priority

DE 102009040359 A 20090907

Abstract (en)

[origin: CN102009536A] The present invention relates to a method for generating a printing (visible or functional, such as conductive) characteristic on a substrate of a printed product, wherein, the method involves producing a layer (4) by applying a first medium (5) e.g. adhesive and gloss varnish in a first step (A), and treating surfaces (6) of the first layer (4) segmentally at least in a second step (B) such that another layer (7) is produced by applying a second medium (8) e.g. foil transfer layer on the adhesive, or a surface structure (9) is generated through structuring the first medium (5) and stamping into the gloss varnish. The invention is characterized in that the surface (6) of the first layer (4) is pretreated in a middle step (ZS) with a mode that the information based on the printing characteristic (1) e.g. appearance of a conductor circuit structure or anti-counterfeiting random pattern, is transmitted to the first medium (5) purposely.

IPC 8 full level

B41M 7/00 (2006.01); **B41F 23/04** (2006.01); **B41F 23/08** (2006.01); **B41M 1/24** (2006.01); **B41M 3/00** (2006.01)

CPC (source: EP)

B41F 7/06 (2013.01); **B41F 16/00** (2013.01); **B41F 19/062** (2013.01); **B41F 23/0443** (2013.01); **B41F 23/08** (2013.01); **B41J 2/435** (2013.01); **B41J 2/45** (2013.01); **B41M 1/24** (2013.01); **B41M 7/0045** (2013.01); **B41M 7/0054** (2013.01)

Cited by

US11559824B2; US11141759B2; US11420229B2; US11511318B2; US11717850B2; US11717851B2; US11883843B2; US12090511B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

DE 102009040359 A1 20110310; CN 102009536 A 20110413; CN 102009536 B 20150422; EP 2308682 A2 20110413; EP 2308682 A3 20120404; EP 2308682 B1 20130619

DOCDB simple family (application)

DE 102009040359 A 20090907; CN 201010276093 A 20100907; EP 10170426 A 20100722