

Title (en)

METHOD FOR PRODUCING A SECURITY FEATURE OF A VALUE OR SECURITY PRODUCT

Title (de)

VERFAHREN ZUM HERSTELLEN EINES SICHERHEITSMERKMALS EINES WERT- ODER SICHERHEITSPRODUKTS

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN SIGNE DE SÉCURITÉ D'UN PRODUIT DE VALEUR OU DE SÉCURITÉ

Publication

EP 3046777 B1 20171108 (DE)

Application

EP 14771544 A 20140917

Priority

- DE 102013218751 A 20130918
- EP 2014069787 W 20140917

Abstract (en)

[origin: WO2015040055A1] The invention relates to a method for the cost-effective production of a particularly counterfeit-resistant and tamper-resistant security feature (160) of a value or security product (600). The security feature (160) is formed by at least one pattern (150). The method comprises the following method steps: (a) providing a subcarrier (200) having a colorant, wherein the colorant contains particles containing at least one dye and/or at least one pigment and a binder made from a polymer; (b) transferring at least one part of the colorant from the subcarrier (200) on a surface (310) of a polymer layer (300), forming a colorant layer (100) on the polymer layer (300), wherein the polymer layer (300) is produced from at least one material which is selected from a group comprising polycarbonate and polyethylene-terephthalate; and (c) locally introducing energy at least into a part of the colorant layer (100) in order to release the at least one dye and/or the at least one pigment from the particles, such that the pattern (150) is formed on the polymer layer (300).

IPC 8 full level

B42D 25/00 (2014.01)

CPC (source: EP)

B42D 25/41 (2014.10)

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 RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102013218751 A1 20150319; EP 3046777 A1 20160727; EP 3046777 B1 20171108; JP 2016538164 A 20161208; JP 6487926 B2 20190320; WO 2015040055 A1 20150326

DOCDB simple family (application)

DE 102013218751 A 20130918; EP 14771544 A 20140917; EP 2014069787 W 20140917; JP 2016543387 A 20140917