Title (en)
METHOD FOR PRODUCING A LAYER ARRANGEMENT FOR A SECURITY DOCUMENT, AND SECURITY DOCUMENT

Title (de)
VERFAHREN ZUM HERSTELLEN EINER SCHICHTANORDNUNG FÜR EIN SICHERHEITSDOKUMENT UND SICHERHEITSDOKUMENT

Title (fr)
PROCÉDÉ DE PRODUCTION D'UN ENSEMBLE DE COUCHES POUR UN DOCUMENT DE SÉCURITÉ ET DOCUMENT DE SÉCURITÉ CORRESPONDANT

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Application
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Abstract (en)
[origin: WO2018010725A1] The invention relates to a method for producing a layer arrangement for a security document, having the following steps: provision of a semi-finished product with a layer arrangement (1) with a stack of layers made from plastic material; production of a recess (5) in an outer layer of the layer arrangement (1) with the aid of a processing device; printing of a printed image (2) in the region of the recess (5) by means of a printing device, and production of an inner printed image, wherein a further layer made from plastic material is applied here to the outer layer, in such a way that at least the recess (5) with the printed image (2) is covered by the further layer, and wherein the inner printed image can be viewed from the outside through at least one of the layers from a front side and/or a rear side of the layer arrangement (1). Furthermore, a security document is disclosed.

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Citation (opposition)
  Opponent :
- WO 2016037260 A1 20160317 - CANADIAN BANK NOTE CO LTD [CA]
- US 2013171423 A1 20130704 - CRUIKSHANK DAVID N C [CA]
- DE 102013221221 A1 20150423 - BUNDESDRUCKEREI GMBH [DE]
- WO 2010043674 A1 20100422 - GEMALTO SA [FR], et al
- DE 102014110586 A1 20160128 - BUNDESDRUCKEREI GMBH [DE]
- DE 3741179 A1 19890615 - GAO GES AUTOMATION ORG [DE]
- WO 2011058054 A1 20110519 - GEMALTO SA [FR], et al

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