

Title (en)  
MANUFACTURING PROCESS OF A SECURITY ELEMENT FOR A SECURITY DOCUMENT

Title (de)  
HERSTELLUNGSVERFAHREN EINES SICHERHEITSELEMENTS FÜR EIN SICHERHEITSDOKUMENT

Title (fr)  
PROCEDE DE FABRICATION D'UN ELEMENT DE SECURITE POUR DOCUMENT DE SECURITE

Publication  
**EP 2429825 A1 20120321 (FR)**

Application  
**EP 10727035 A 20100426**

Priority  
• FR 2010050786 W 20100426  
• FR 0953164 A 20090513

Abstract (en)  
[origin: WO2010130910A1] A translucent area (Z2) is formed in the element (14) by applying a substance (24) that transparentizes its substrate (12). Thus, the method includes a step of applying a substance (20) that impermeabilizes the substrate (12) over a first area (Z1) on a first side (F1) of the substrate, surrounding a second area (Z2) devoid of the impermeabilizing substance (20). The impermeabilizing substance (20) prevents impregnation of the substrate (12) by the transparentizing substance (24) in the first area (Z1). The method then includes a step of applying the transparentizing substance (24) to at least the second area (Z2) so as to impregnate the substrate (12) in order to make it translucent in this area (Z2). The first (Z1) and second (Z2) areas form first (18) and second (22) patterns respectively, making up an image that can be observed from both sides (F1, F2) of the substrate (12).

IPC 8 full level  
**B41M 3/14** (2006.01); **B41M 3/00** (2006.01); **B42D 15/00** (2006.01); **B44F 1/00** (2006.01); **B44F 3/00** (2006.01); **B44F 5/00** (2006.01); **D21H 21/26** (2006.01); **D21H 21/40** (2006.01); **D21H 21/44** (2006.01); **D21H 21/46** (2006.01); **D21H 21/48** (2006.01)

CPC (source: EP)  
**B41M 3/14** (2013.01); **B42D 25/29** (2014.10); **D21H 21/26** (2013.01); **D21H 21/40** (2013.01); **D21H 21/44** (2013.01); **D21H 21/48** (2013.01); **B41M 3/144** (2013.01)

Citation (search report)  
See references of WO 2010130910A1

Cited by  
EP3611027A1; WO2016016130A1; WO2016016128A1; WO2016016129A1

Designated contracting state (EPC)  
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)  
**WO 2010130910 A1 20101118**; AU 2010247266 A1 20111208; AU 2010247266 B2 20140327; BR PI1012206 A2 20160405; CA 2761781 A1 20101118; CA 2761781 C 20171010; CN 102448730 A 20120509; CN 102448730 B 20140903; EP 2429825 A1 20120321; EP 2429825 B1 20140212; FR 2945551 A1 20101119; FR 2945551 B1 20110826; PL 2429825 T3 20140731; RU 2011150515 A 20131120; RU 2530419 C2 20141010; ZA 201108805 B 20140528

DOCDB simple family (application)  
**FR 2010050786 W 20100426**; AU 2010247266 A 20100426; BR PI1012206 A 20100426; CA 2761781 A 20100426; CN 201080023938 A 20100426; EP 10727035 A 20100426; FR 0953164 A 20090513; PL 10727035 T 20100426; RU 2011150515 A 20100426; ZA 201108805 A 20111130