

Title (en)  
METHOD FOR PRODUCING A SECURITY ELEMENT HAVING REGISTERED METALLIZED PARTS AND SECURITY ELEMENT OBTAINABLE THEREFROM

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINES SICHERHEITSELEMENTS MIT GEPASSTEN METALLISIERUNGEN UND DARAUS ERHÄLTliches SICHERHEITSELEMENT

Title (fr)  
PROCÉDÉ POUR FABRIQUER UN ÉLÉMENT DE SÉCURITÉ AVEC DES MÉTALLISATIONS ADAPTÉES ET ÉLÉMENT DE SÉCURITÉ OBTENU AVEC CE PROCÉDÉ

Publication  
**EP 2498998 B1 20150225 (DE)**

Application  
**EP 10778569 A 20101109**

Priority  
• DE 102009052792 A 20091111  
• EP 2010006819 W 20101109

Abstract (en)  
[origin: WO2011057759A1] The invention relates to a method for producing a security element (1), to a security element (1) that can be obtained according to the method of the invention, to transfer materials having the security elements according to the invention, and to value items secured with the security elements according to the invention. The security element (1) according to the invention comprises two reflective layers (12, 22), which are glued to each other by means of a resist layer (30), and two optically active layers (52, 62; 72, 82), which are arranged on both sides of the security element. The resist layer (30) has a pattern that is used to create a congruent pattern in the first reflective layer (12). The pattern of the resist layer (30), and thus also of the first reflective layer (12), is exactly reproduced in the second reflective layer (22). This is achieved by gluing on the second reflective layer (22) in the shape of the pattern of the resist layer (30). The regions of the second reflective layer (22) that are not glued are removed, thus forming a negative type.

IPC 8 full level  
**B42D 15/00** (2006.01)

CPC (source: EP US)  
**B42D 25/20** (2014.10 - US); **B42D 25/29** (2014.10 - EP); **B42D 25/351** (2014.10 - US); **B42D 25/425** (2014.10 - US); **B42D 25/43** (2014.10 - EP); **B42D 25/328** (2014.10 - EP); **B42D 25/391** (2014.10 - EP); **B42D 25/47** (2014.10 - EP); **B42D 2033/18** (2022.01 - EP); **B42D 2033/26** (2022.01 - EP)

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 102009052792 A1 20110512**; EP 2498998 A1 20120919; EP 2498998 B1 20150225; WO 2011057759 A1 20110519

DOCDB simple family (application)  
**DE 102009052792 A 20091111**; EP 10778569 A 20101109; EP 2010006819 W 20101109