

Title (en)
VALUE OR SECURITY PRODUCT WITH LUMINESCENT SECURITY ELEMENTS AND METHOD FOR THE PRODUCTION AND USE THEREOF
IN RESPECT TO VISUAL AND MACHINE-OPERATED DETECTION OF AUTHENTICITY

Title (de)
WERT- UND SICHERHEITSERZEUGNIS MIT LUMINESZIERENDEN SICHERHEITSELEMENTEN UND VERFAHREN ZUR HERSTELLUNG
DERSELBEN UND ANORDNUNG ZUR VISUELLEN UND MASCHINELLEN ECHTHEITSÜBERPRÜFUNG

Title (fr)
PRODUIT DE VALEUR ET DE SECURITE AVEC ELEMENTS DE SECURITE LUMINESCENTS, PROCEDE DE FABRICATION ASSOCIE, ET
DISPOSITIF POUR VERIFIER VISUELLEMENT ET MECANIQUEMENT LEUR AUTHENTICITE

Publication
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Application
EP 98914854 A 19980225

Priority
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• EP 9801059 W 19980225

Abstract (en)
[origin: US6530527B1] A value or security product such as a banknote, ID card or the like, is provided with luminescent security elements which are excitable in an electromagnetic alternating field. A production method of applying the required colors and substances to the value or security product is also provided. Also included is a respective security technology arrangement for visual and machine-operated detection of authenticity, where electrical fields in particular and optical radiation, preferably in the UV wavelength range, are used to excite so-called phosphorous colors, and additional optical effects in the visible UV wavelength range can be achieved by secondary excitation mechanisms.

IPC 1-7
B41M 3/14; G07D 7/00

IPC 8 full level
B41M 3/14 (2006.01); **B42D 15/00** (2006.01); **B42D 25/29** (2014.01); **D21H 21/48** (2006.01); **G07D 7/00** (2006.01); **G07D 7/06** (2006.01); **G07D 7/12** (2016.01); **G07D 7/128** (2016.01)

CPC (source: EP KR US)
B41M 3/14 (2013.01 - KR); **B41M 3/144** (2013.01 - EP US); **B42D 25/29** (2014.10 - EP US); **D21H 21/48** (2013.01 - EP US); **G07D 7/06** (2013.01 - EP US); **G07D 7/12** (2013.01 - EP US); **G07D 7/128** (2013.01 - EP US); **B41M 1/10** (2013.01 - EP)

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