

Title (en)  
VALUE AND SECURITY PRODUCT WITH A LUMINESCENT ELEMENT

Title (de)  
WERT- UND SICHERHEITSERZEUGNIS MIT LUMINESZENZELEMENT

Title (fr)  
PRODUIT DE VALEUR ET DE SECURITE A ELEMENT LUMINESCENT

Publication  
**EP 1003646 A1 20000531 (DE)**

Application  
**EP 98943829 A 19980804**

Priority  
• DE 19735293 A 19970814  
• EP 9804837 W 19980804

Abstract (en)  
[origin: EP1236584A2] The banknote or other security document has a paper substrate (1) into which an electrode arrangement (2) is formed. The electrode arrangement reacts to an electro magnetic field. The electrodes extend (6,7) and are located in a checking unit (8). A section of the surface has an electro luminescent layer (13) that is illuminated by an externally applied background lighting.

IPC 1-7  
**B42D 15/00**

IPC 8 full level  
**B41M 3/14** (2006.01); **B42D 15/00** (2006.01); **B42D 25/29** (2014.01); **G07D 7/00** (2006.01); **H01S 3/00** (2006.01)

CPC (source: EP KR)  
**B42D 15/00** (2013.01 - KR); **B42D 25/29** (2014.10 - EP); **B42D 25/305** (2014.10 - EP); **B42D 25/351** (2014.10 - EP); **B42D 25/373** (2014.10 - EP); **B42D 25/387** (2014.10 - EP)

Cited by  
US7427029B2; WO2004108426A3

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 1236584 A2 20020904; EP 1236584 A3 20040107; EP 1236584 B1 20080709; EP 1236584 B2 20190619**; AT E251998 T1 20031115; AT E400446 T1 20080715; CA 2300971 A1 19990225; CN 1105654 C 20030416; CN 1271310 A 20001025; CO 4790195 A1 19990531; CZ 2000520 A3 20001213; CZ 295125 B6 20050518; DE 19735293 A1 19990218; DE 19735293 C2 20030612; DE 59809934 D1 20031120; DE 59814253 D1 20080821; DK 1003646 T3 20040216; DK 1236584 T3 20081103; EP 1003646 A1 20000531; EP 1003646 B1 20031015; ES 2209202 T3 20040616; ES 2309121 T3 20081216; HU P0003606 A2 20010228; HU P0003606 A3 20021228; IL 134414 A0 20010430; JP 2001514986 A 20010918; JP 4554070 B2 20100929; KR 20010022914 A 20010326; PE 104099 A1 19991105; PL 193977 B1 20070430; PL 339308 A1 20001204; PT 1003646 E 20040331; PT 1236584 E 20080903; WO 9908881 A1 19990225

DOCDB simple family (application)  
**EP 02007941 A 19980804**; AT 02007941 T 19980804; AT 98943829 T 19980804; CA 2300971 A 19980804; CN 98807588 A 19980804; CO 98046147 A 19980812; CZ 2000520 A 19980804; DE 19735293 A 19970814; DE 59809934 T 19980804; DE 59814253 T 19980804; DK 02007941 T 19980804; DK 98943829 T 19980804; EP 9804837 W 19980804; EP 98943829 A 19980804; ES 02007941 T 19980804; ES 98943829 T 19980804; HU P0003606 A 19980804; IL 13441498 A 19980804; JP 2000509596 A 19980804; KR 20007001519 A 20000214; PE 00071998 A 19980812; PL 33930898 A 19980804; PT 02007941 T 19980804; PT 98943829 T 19980804