

Title (en)
Value and security product with a luminescent element

Title (de)
Wert- und Sicherheitserzeugnis mit Lumineszenzelement

Title (fr)
Produit de valeur et de sécurité à élément luminescent

Publication
EP 1236584 B1 20080709 (DE)

Application
EP 02007941 A 19980804

Priority
• DE 19735293 A 19970814
• EP 98943829 A 19980804
• 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 8 full level
B42D 15/00 (2006.01); **B41M 3/14** (2006.01); **B42D 25/29** (2014.01); **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)

Citation (examination)
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• US 3458452 A 19690729 - HUMMEL FLOYD A, et al
• GB 2240948 A 19910821 - SUNMAN PETER ROBERT PETER
• EP 0216626 A2 19870401 - MINNESOTA MINING & MFG [US]
• WO 9509084 A1 19950406 - MINNESOTA MINING & MFG [US]

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AU2005309224B2; WO2006056089A3

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

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