

Title (en)

Device for the visual and machine-assisted validation of value and security documents

Title (de)

Anordnung zur visuellen und maschinellen Echtheitsüberprüfung von Wert- und Sicherheitsdokumenten

Title (fr)

Dispositif pour la validation mécanique et visuelle de documents de valeur et de sécurité

Publication

**EP 1059619 A3 20001220 (DE)**

Application

**EP 00119980 A 19980225**

Priority

- DE 19708543 A 19970304
- EP 98914854 A 19980225

Abstract (en)

[origin: EP1059619A2] Value and security product, e.g. banknote or ID card, has an embedded security element which has electroluminescent properties and by exciting in an electromagnetic alternating field radiation is emitted. The novelty is that electroluminescent substances (5) are embedded into the printing inks to print the security document (1). Also claimed are: (a) a testing device for testing visually and/or by machine security documents; and (b) production of a security document.

IPC 1-7

**G07D 7/00**; **B41M 3/14**

IPC 8 full level

**B41M 3/14** (2006.01); **G07D 7/00** (2006.01); **G07D 7/06** (2006.01); **G07D 7/12** (2006.01)

CPC (source: EP)

**B41M 3/144** (2013.01); **G07D 7/06** (2013.01); **G07D 7/128** (2013.01)

Citation (search report)

- [X] US 4355300 A 19821019 - WEBER HAROLD J
- [A] US 5394969 A 19950307 - HARBAUGH STEVEN K [US]
- [A] DE 4405860 A1 19950824 - WHD WARENHANDELS UND DIENSTLEI [DE]

Cited by

WO2005116941A1; DE102013114496A1; WO2015091237A1; US9670406B2; DE102021119436A1; WO2023006142A1; DE102020111461B3; WO2021219568A1; EP4350649A2

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 1059619 A2 20001213**; **EP 1059619 A3 20001220**; **EP 1059619 B1 20030205**

DOCDB simple family (application)

**EP 00119980 A 19980225**