

Title (en)

Security device, preferably a security thread, comprising characters being visually readable as well as magnetic characteristics, and method of producing the same

Title (de)

Sicherheitsvorrichtung, vorzugsweise, ein Sicherheitsfaden, bestehend aus visuell lesbaren Zeichen sowie magnetischer Eigenschaften, und Verfahren zu ihrer Herstellung

Title (fr)

Dispositif de sécurité, de préférence, un fil de sécurité, comprenant les caractères lisibles visuellement ainsi que des caractéristiques magnétiques, et la méthode pour sa fabrication

Publication

**EP 1334844 B2 20100714 (EN)**

Application

**EP 02002901 A 20020208**

Priority

EP 02002901 A 20020208

Abstract (en)

[origin: EP1334844A1] A security device, preferably a security thread (1) for being incorporated into a document such as a banknote comprises a substrate (2), preferably of a transparent polyester layer; a first layer arranged over the substrate (2) and having negative characters or scripts (3a) incorporated therein; and a magnetic code layer (5) arranged over the first layer and adjacent to the negative characters or scripts (3a), wherein the first layer is a printed ink layer (3). <IMAGE>

IPC 8 full level

**B42D 15/00** (2006.01)

CPC (source: EP KR)

**B41M 3/14** (2013.01 - KR); **B42D 15/0033** (2013.01 - KR); **B42D 15/0053** (2013.01 - KR); **B42D 15/0073** (2013.01 - KR); **B42D 25/29** (2014.10 - KR); **B42D 25/355** (2014.10 - EP KR); **D21H 21/44** (2013.01 - KR)

Citation (opposition)

Opponent :

- EP 1145866 A1 20011017 - ELMIVA S A S DI WALTER MANTEGA [IT]
- EP 0914970 A2 19990512 - MANTEGAZZA A ARTI GRAFICI [IT]
- GB 2319215 A 19980520 - BANK OF ENGLAND THE GOVERNOR A [GB]

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1334844 A1 20030813**; **EP 1334844 B1 20041110**; **EP 1334844 B2 20100714**; AT E281943 T1 20041115; AU 2003205742 A1 20030902; DE 60201880 D1 20041216; DE 60201880 T2 20051103; DE 60201880 T3 20101202; ES 2231592 T3 20050516; ES 2231592 T5 20101209; KR 100918192 B1 20090922; KR 20040107469 A 20041220; UA 77748 C2 20070115; WO 03066343 A1 20030814

DOCDB simple family (application)

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