

Title (en)
SECURITY DOCUMENT WITH EMBEDDED SECURITY ELEMENT WITH VISUALLY AND MECHANICALLY VERIFIABLE DISTINGUISHING SIGNS.

Title (de)
SICHERHEITSDOKUMENT MIT DARIN EINGEBETTETEM SICHERHEITSELEMENT MIT VISUELL UND MASCHINELL PRÜFBAREN KENNZEICHEN.

Title (fr)
PIECE D'IDENTITE COMPORTANT UN ELEMENT DE SECURITE ENCASTRE ET DES ELEMENTS D'IDENTIFICATION A VERIFICATION MECANIQUE.

Publication
EP 0426801 B1 19950322 (DE)

Application
EP 90906985 A 19900511

Priority
• DE 3915638 A 19890512
• EP 9000765 W 19900511

Abstract (en)
[origin: US5176405A] PCT No. PCT/EP90/00765 Sec. 371 Date Mar. 7, 1991 Sec. 102(e) Date Mar. 7, 1991 PCT Filed May 11, 1990 PCT Pub. No. WO90/13878 PCT Pub. Date Nov. 15, 1990. In a security document having an embedded security element in the form of a transparent thread with electrically conductive material in at least two layers, at least one layer is transparent or partly transparent at least in certain areas. The partly transparent layer interacts with marks located on the thread in such a way that the marks are largely concealed in incident light but are recognizable visually in transmitted light.

IPC 1-7
G07D 7/00; **G07F 7/08**; **B42D 15/02**; **B42D 15/00**; **B44F 1/12**; **D21H 21/48**

IPC 8 full level
B42D 15/00 (2006.01); **B42D 15/02** (2006.01); **B42D 25/29** (2014.01); **B42D 25/355** (2014.01); **B44F 1/12** (2006.01); **D21H 21/44** (2006.01); **D21H 21/48** (2006.01); **G06K 19/067** (2006.01); **G07D 7/00** (2006.01); **G07D 7/12** (2016.01); **G07D 7/20** (2016.01); **G07F 7/08** (2006.01)

CPC (source: EP KR US)
B42D 25/29 (2014.10 - EP US); **B42D 25/355** (2014.10 - EP US); **D21H 21/44** (2013.01 - EP US); **G07D 7/00** (2013.01 - KR); **G07D 7/12** (2013.01 - EP US); **G07F 7/086** (2013.01 - EP US); **Y10S 283/901** (2013.01 - EP US)

Cited by
AT500871A1; AT412681B; WO2006042568A1

Designated contracting state (EPC)
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WO 9013877 A1 19901115; AT E120294 T1 19950415; DE 3915638 A1 19901122; DE 3915638 B4 20060608; DE 59008757 D1 19950427; EP 0426801 A1 19910515; EP 0426801 B1 19950322; ES 2071095 T3 19950616; FI 910105 A0 19910109; FI 98767 B 19970430; FI 98767 C 19970811; KR 0146374 B1 19981201; KR 920701928 A 19920812; PL 164147 B1 19940630; PL 285148 A1 19910114; RU 2053558 C1 19960127; US 5176405 A 19930105

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