

Title (en)
SECURITY ELEMENT STRUCTURE FOR DOCUMENTS, DEVICES FOR CONTROLLING DOCUMENTS COMPRISING SUCH SECURITY ELEMENTS, AND METHOD FOR USING SAID SECURITY ELEMENTS AND DEVICES

Title (de)
AUFBAU VON SICHERHEITSELEMENTEN FÜR DOKUMENTE UND VORRICHTUNGEN ZUR PRÜFUNG VON DOKUMENTEN MIT DERARTIGEN SICHERHEITSELEMENTEN SOWIE VERFAHREN ZUR ANWENDUNG DIESER SICHERHEITSELEMENTE UND VORRICHTUNGEN

Title (fr)
STRUCTURE D'ELEMENTS DE SECURITE POUR DOCUMENTS, DISPOSITIFS POUR LE CONTROLE DE DOCUMENTS COMPORTANT DE TELS ELEMENTS DE SECURITE, ET PROCEDE D'UTILISATION DE CES ELEMENTS DE SECURITE ET DISPOSITIFS

Publication
EP 1002300 A1 20000524 (DE)

Application
EP 98932024 A 19980424

Priority

- DE 9801180 W 19980424
- DE 19734855 A 19970812
- DE 19812811 A 19980316

Abstract (en)
[origin: WO9909528A1] The invention concerns the security element structure for documents, devices for controlling documents comprising such security elements, and a method for using said security elements and devices as per the patent application DE 197 34 855.6. The invention aims at completing the security element structure for documents, and at proposing devices for controlling such security elements, an a novel method for using these security elements and devices, making it very difficult, if not impossible, for forgers to discover how the methods and devices work, as far as the security elements are concerned, and subsequently produce forged documents so identical to the original documents as to make them undetectable by the control devices. The security element structure for documents to be controlled corresponds to the new design which is not based primarily on visual observation but on control methods. Said design referred to below as functional design, results from the combination of electrically conducting and insulating structures of identical or different sizes, in identical or different planes, with identical or different conductivity, and it is materialised by metal-coated structures and/or writing or printing electrically conductive inks.

IPC 1-7
G07D 7/12

IPC 8 full level
G02B 5/18 (2006.01); **B42D 15/10** (2006.01); **G07D 7/02** (2006.01); **G07D 7/12** (2006.01)

CPC (source: EP KR)
G07D 7/0032 (2017.05 - EP KR); **G07D 7/026** (2013.01 - EP KR)

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

DOCDB simple family (publication)
WO 9909528 A1 19990225; AT E213353 T1 20020215; AU 8208398 A 19990308; BG 104142 A 20000630; BR 9811149 A 20000725; CA 2306924 A1 19990225; CN 1267383 A 20000920; CZ 2000395 A3 20000614; CZ 289274 B6 20011212; DE 19812811 A1 19990923; DE 59803078 D1 20020321; DK 1002300 T3 20020617; EP 1002300 A1 20000524; EP 1002300 B1 20020213; ES 2172900 T3 20021001; HU P0003759 A2 20010228; HU P0003759 A3 20021128; JP 2001516092 A 20010925; JP 3741954 B2 20060201; KR 20010022779 A 20010326; NO 20000616 D0 20000208; NO 20000616 L 20000407; PL 187653 B1 20040831; PL 340874 A1 20010312; PT 1002300 E 20020731; SK 1932000 A3 20001211; TR 200000652 T2 20010921; UA 59405 C2 20030915

DOCDB simple family (application)
DE 9801180 W 19980424; AT 98932024 T 19980424; AU 8208398 A 19980424; BG 10414200 A 20000208; BR 9811149 A 19980424; CA 2306924 A 19980424; CN 98807888 A 19980424; CZ 2000395 A 19980424; DE 19812811 A 19980316; DE 59803078 T 19980424; DK 98932024 T 19980424; EP 98932024 A 19980424; ES 98932024 T 19980424; HU P0003759 A 19980424; JP 2000510117 A 19980424; KR 20007001379 A 20000210; NO 20000616 A 20000208; PL 34087498 A 19980424; PT 98932024 T 19980424; SK 1932000 A 19980424; TR 200000652 T 19980424; UA 00020753 A 19980424