

Title (en)

Authentication of security documents, in particular of banknotes

Title (de)

Authentifizierung von Sicherheitsdokumenten, insbesondere Banknoten

Title (fr)

Authentification de documents de sécurité, en particulier des billets de banque

Publication

EP 2000992 A1 20081210 (EN)

Application

EP 07109470 A 20070601

Priority

EP 07109470 A 20070601

Abstract (en)

There is described a method for checking the authenticity of security documents, in particular banknotes, wherein authentic security documents comprise security features (41-49; 30; 10; 51, 52) printed, applied or otherwise provided on the security documents, which security features comprise characteristic visual features intrinsic to the processes used for producing the security documents. The method comprises the steps of (i) acquiring a sample image (c 0) of at least one region of interest (R.o.I.) of the surface of a candidate document to be authenticated, which region of interest encompasses at least part of the security features, (ii) digitally processing the sample image (c 0) by performing a decomposition of the sample image (c 0) into at least one sub-space containing high resolution details d 1 1 #ç d 2 1 #ç d 3 1 # of the sample image (c 0) and extracting classifying features (Å 2 , C, ...) from the sub-space, and (iii) deriving an authenticity rating of the candidate document based on the extracted classifying features (Å 2 , C, ...).

IPC 8 full level

G07D 7/20 (2006.01); **G07D 7/00** (2006.01)

CPC (source: EP)

G07D 7/003 (2017.04); **G07D 7/2016** (2013.01); **G07D 7/205** (2013.01)

Citation (search report)

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- [X] EP 1484719 A2 20041208 - NCR INT INC [US] & EP 1864825 A1 20071212 - NAT PRINTING BUREAU INCORPORATED ADMINISTRATIVE AGENCY [JP]

Cited by

WO2010089157A1; CN102473329A; DE102012017398A1; WO2011018764A3; WO2014118763A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

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