

Title (en)
Method and apparatus for authenticating documents

Title (de)
Verfahren und Vorrichtung zum Authentifizieren von Dokumenten

Title (fr)
Méthode et appareil d'authentification de documents

Publication
EP 0744716 B1 19991229 (EN)

Application
EP 96303493 A 19960516

Priority
GB 9510678 A 19950525

Abstract (en)
[origin: EP0744716A2] In a method and apparatus for authenticating documents, at least one small area (22) on a document (12) being tested is sensed by a spectroscope (26), and the light intensity at a plurality (e.g. 50) of spectral points is measured by a photodiode array (30). The resulting signals are digitized in an analog-to-digital converter (38) and the resulting data is stored. This data is then analyzed by discriminant analysis, whereby the intensity values treated as components of a vector are multiplied by one or more sets of weighting coefficients (discriminant functions) to provide a set of discriminant function values. A distance measurement between this set of values and the centroid of a corresponding set of values for genuine documents is compared with a threshold value to determine the authenticity of the document (12). <IMAGE>

IPC 1-7
G07D 7/00

IPC 8 full level
G06T 7/00 (2006.01); **G07D 7/00** (2006.01); **G07D 7/12** (2006.01)

CPC (source: EP US)
G07D 7/1205 (2017.04 - EP US)

Cited by
CN102254370A; DE102009058439A1; DE102009058438A1; AU2016100492B4; GB2563168A; US9031307B2; WO2005036481A1; WO2017185141A1; US7899233B2; US8155423B2

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 0744716 A2 19961127; EP 0744716 A3 19961218; EP 0744716 B1 19991229; DE 69605854 D1 20000203; DE 69605854 T2 20000720; ES 2140787 T3 20000301; GB 9510678 D0 19950719; JP H0916777 A 19970117; ZA 963604 B 19960823

DOCDB simple family (application)
EP 96303493 A 19960516; DE 69605854 T 19960516; ES 96303493 T 19960516; GB 9510678 A 19950525; JP 12535296 A 19960521; ZA 963604 A 19960507