

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 A2 19961127 (EN)**

Application  
**EP 96303493 A 19960516**

Priority  
GB 9510678 A 19950525

Abstract (en)  
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>

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IPC 8 full level  
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