

Title (en)

AUTOMATIC AUTHENTICATION OF DOCUMENTS PROTECTED WITH SECURITY FEATURES

Title (de)

AUTOMATISCHE AUTHENTIFIKATION VON MIT SICHERHEITSMERKMALEN GESCHÜTZTEN DOKUMENTEN

Title (fr)

AUTHENTIFICATION AUTOMATIQUE DE DOCUMENTS PROTEGES PAR DES CARACTERISTIQUES DE SECURITE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0160047A2] Method for quick, automatic authentication of documents which are protected with optical features, wherein the positions of the features in relation to the coordinate system of the document and/or automatic testing machine are unknown or only known in an approximate manner. According to the invention, the document is either entirely or partially illuminated with an illuminating means in a first working phase, whereby the spectral and geometric distribution, degree of polarization and/or alignment, coherence and temporal activity are selected in such a way that one or more images arise for the illuminated end surfaces which can be detected by one or more imaging sensors, wherein the position of the security features form a difference in relation to the rest of the background of the document, so that said positions are automatically determined by means of the image recognition method in relation to the coordinate system of the document. In a second working phase, the corresponding features are only verified in the image areas corresponding to the positions found in the first working phase and the corresponding picture areas are illuminated. The corresponding features of the image generate spectral signatures and/or other optical patterns, wherefrom the information required for verification of the features can be derived using image processing methods and spectrometry.

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CPC (source: EP US)

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