Title (en)

APPLICATION AND METHOD FOR CHECKING DOCUMENTS WITH EFFECTIVE OPTICAL DIFFRACTION SECURITY LAYER

Title (de)

ANWENDUNG UND VERFAHREN ZUR PRÜFUNG VON DOKUMENTEN MIT BEUGUNGSOPTISCH WIRKSAMEN SICHERHEITSSCHICHTEN

Title (fr)

UTILISATION ET PROCEDE POUR LE CONTROLE DE DOCUMENTS A COUCHES DE SECURITE DIFFRINGENTES

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Application

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Abstract (en)

[origin: DE19718916A1] The invention relates to an application and a method for checking documents. Hitherto, documents with optical diffraction security layers, specially holograms, were checked by costly optical monitoring technology. The entire monitoring process was so time-consuming that the monitoring process could not be applied to fast operating processing machines. Rapid monitoring (as an authentication characteristic) constitutes a further security step in evaluating effective optical diffraction security layers. The effective optical diffraction layer has a discontinuous metallizing layer and/or partially metal layers and/or areas of metal layers on various planes. Several methods of measurement exist to detect electrical conductivity. In practice, the contactless capacitive method of measurement has proven to be more practical.

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