

Title (en)

APPARATUS AND METHOD FOR CHECKING VALUE DOCUMENTS, PARTICULARLY BANKNOTES, AND VALUE DOCUMENT HANDLING SYSTEM

Title (de)

VORRICHTUNG UND VERFAHREN ZUR PRÜFUNG VON WERTDOKUMENTEN, INSBESONDERE BANKNOTEN, SOWIE WERTDOKUMENTBEARBEITUNGSSYSTEM

Title (fr)

DISPOSITIF ET PROCÉDÉ DE VÉRIFICATION DE DOCUMENTS DE VALEUR, EN PARTICULIER DES BILLETS DE BANQUE, ET SYSTÈME DE TRAITEMENT DE DOCUMENTS DE VALEUR

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Application

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Priority

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Abstract (en)

[origin: WO2016062409A1] The invention relates to an apparatus, a corresponding method and a value document handling system (1) for checking value documents (3), particularly banknotes, having at least two radiation sources (24, 25) for emitting electromagnetic radiation that is used to irradiate a value document (3), at least one sensor (21 – 23) for detecting the electromagnetic radiation coming from the value document (3), particularly reflected and/or transmitted by the value document (3), and producing corresponding sensor signals, and also an evaluation device (51) that is designed to derive corrected sensor signals from the sensor signals by taking account of at least one spectral property of the electromagnetic radiation from the at least two radiation sources (24, 25). The sensor signals corrected in this manner reproduce the actual reflection and transmission behaviour of the value document much more accurately than the uncorrected sensor signals. In particular, this involves elimination or at least reduction of interfering remission or transmission artefacts that can be attributed to what are known as stray emissions from the radiation sources (24, 25), particularly LEDs.

IPC 8 full level

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CPC (source: EP US)

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See references of WO 2016062409A1

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