

Title (en)
DEVICE AND METHOD FOR CHECKING VALUE DOCUMENTS, IN PARTICULAR BANKNOTES, AND VALUE DOCUMENT PROCESSING 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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Abstract (en)
[origin: WO2017178111A1] The invention relates to a device and a corresponding method for checking value documents (3), in particular banknotes, comprising at least one first sensor (21, 22) which is designed to detect electromagnetic radiation reflected and/or transmitted from a value document (3) and convert the radiation into corresponding first sensor signals, at least one second sensor (24) which is designed to detect soundwaves, in particular ultrasonic soundwaves, reflected and/or transmitted from the value document (3) and convert the soundwaves into corresponding second sensor signals, and an analysis device (51) which is designed to ascertain a first surface value which characterizes a first surface of the value document (3) using the first sensor signals, to ascertain a second surface value which characterizes a second surface of the value document (3) using the second sensor signals, and to draw a conclusion regarding a possible identification of the value document (3) with a marking dye using the first and second surface value. The invention further relates to a value document processing system (1) comprising such a device.

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