

Title (en)
METHOD AND SENSOR FOR TESTING DOCUMENTS

Title (de)
VERFAHREN UND SENSOR ZUR PRÜFUNG VON DOKUMENTEN

Title (fr)
PROCÉDÉ ET CAPTEUR DE CONTRÔLE DE DOCUMENTS

Publication
EP 3811343 B1 20220817 (DE)

Application
EP 19733663 A 20190617

Priority
• DE 102018004884 A 20180620
• EP 2019000189 W 20190617

Abstract (en)
[origin: WO2019242879A1] The invention relates to a method and a sensor for testing documents, for example for checking the authenticity of documents of value, in which the same detector is used for a reflectance measurement and a luminescence measurement of the document of value, wherein the reflectance measured value is detected during the illumination of the document with an excitation light that is used for the luminescence excitation, and the luminescence measured value by switching off the illumination. In order to reduce falsification of the reflectance measured values by the luminescence, a spectral detection filter having a transmission of at least 0.5% in the spectral range of the excitation light is introduced into the detection beam path. As a result of the increased transmission of the spectral detection filter, the excitation intensity striking the detector far exceeds the luminescence intensity occurring at the same time as the excitation, and thus reduces the aforementioned falsification.

IPC 8 full level
G07D 7/1205 (2016.01)

CPC (source: EP US)
G07D 7/1205 (2017.04 - EP US); **G07D 7/121** (2013.01 - US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
DE 102018004884 A1 20191224; CN 112334957 A 20210205; CN 112334957 B 20221004; EP 3811343 A1 20210428;
EP 3811343 B1 20220817; US 11756362 B2 20230912; US 2021248855 A1 20210812; WO 2019242879 A1 20191226

DOCDB simple family (application)
DE 102018004884 A 20180620; CN 201980039957 A 20190617; EP 19733663 A 20190617; EP 2019000189 W 20190617;
US 201916973611 A 20190617