

Title (en)
COMPLETENESS CHECK OF A VALUE DOCUMENT

Title (de)
VOLLSTÄNDIGKEITSPRÜFUNG EINES WERTDOKUMENTS

Title (fr)
VÉRIFICATION DE L'INTÉGRITÉ D'UN DOCUMENT DE VALEUR

Publication
EP 3400584 B1 20231115 (DE)

Application
EP 16819440 A 20161221

Priority
• DE 102016000011 A 20160105
• EP 2016002156 W 20161221

Abstract (en)
[origin: WO2017118467A1] The invention relates to a method, a sensor, a sensor unit, and a banknote processing machine for checking the completeness and/or authenticity of value documents. A value document comprises at least one machine-readable distinguishing substance at at least two locations. According to the method, the value document is excited (S2) at least locally at measurement locations. Furthermore, a distinguishing intensity of the machine-readable distinguishing substance is detected (S3a) at multiple different locations of the value document in a spatially resolved manner. The location-related distinguishing intensities are classified (S5) in a location-related manner using a threshold. Furthermore, location-related limits of an expected location distribution of the machine-readable distinguishing substance are determined (S6). Lastly, a location-related distribution of the classified distinguishing intensities is evaluated (ST).

IPC 8 full level
G07D 7/12 (2016.01); **G07D 7/162** (2016.01); **G07D 7/20** (2016.01)

CPC (source: EP RU US)
G07D 7/12 (2013.01 - EP RU); **G07D 7/1205** (2017.05 - US); **G07D 7/162** (2013.01 - EP US); **G07D 7/2016** (2013.01 - EP US);
G07D 7/205 (2013.01 - US); **B42D 25/29** (2014.10 - US); **B42D 25/328** (2014.10 - US); **B42D 25/373** (2014.10 - US);
G07D 2207/00 (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 102016000011 A1 20170706; EP 3400584 A1 20181114; EP 3400584 B1 20231115; ES 2968235 T3 20240508;
RU 2018127765 A 20200206; RU 2018127765 A3 20200206; RU 2724173 C2 20200622; US 11823522 B2 20231121;
US 2020273279 A1 20200827; WO 2017118467 A1 20170713

DOCDB simple family (application)
DE 102016000011 A 20160105; EP 16819440 A 20161221; EP 2016002156 W 20161221; ES 16819440 T 20161221;
RU 2018127765 A 20161221; US 201616068022 A 20161221