

Title (en)
DEVICE AND METHOD FOR DETECTING A MACHINE-READABLE SECURITY FEATURE OF A VALUABLE DOCUMENT

Title (de)
VORRICHTUNG UND VERFAHREN ZUM NACHWEIS EINES MASCHINENLESBAREN SICHERHEITSMERKMALS EINES WERTDOKUMENTS

Title (fr)
DISPOSITIF ET PROCÉDÉ DE DÉTECTION D'UNE CARACTÉRISTIQUE DE SÉCURITÉ LISIBLE PAR MACHINE D'UN DOCUMENT DE VALEUR

Publication
EP 3503049 B1 20210224 (DE)

Application
EP 17210198 A 20171222

Priority
EP 17210198 A 20171222

Abstract (en)
[origin: CN109979074A] A device (1) for verifying a machine-readable security feature (3') of a valuable document (3; 3-1, 3-2), has: a transport device (5) configured to transport the valuable document on a transport plane(TE), wherein the first flat surface (3a) of the valuable document and the second flat surface (3b) of the valuable document opposite thereto extend parallel to the transport plane; a radiation emitter (9; 9-1, 9-2) that is arranged beside the first flat surface (3a) and emits radiation in the direction towards the first flat surface, wherein the radiation is arranged to excite the luminescent radiation of the security feature (3') of the valuable document, and the radiation is also arranged to at least partially pass through the valuable document (3); a sensor (11) that is arranged beside the first flat surface (3a) and is configured to receive at least part of the luminescent radiation; a reflector arranged beside the second flat surface (3b) and configured so as to at least partly reflect the luminescent radiation of the security feature (3') of the valuable document to the sensor (11); and an evaluation unit (7).

IPC 8 full level
G07D 7/121 (2016.01); **G07D 7/12** (2016.01)

CPC (source: CN EP US)
B42D 25/378 (2013.01 - US); **G07D 7/005** (2017.05 - US); **G07D 7/12** (2013.01 - EP US); **G07D 7/121** (2013.01 - CN EP US); **G07D 7/2016** (2013.01 - CN); **G07D 7/206** (2017.05 - CN); **B42D 25/23** (2014.10 - US); **B42D 25/24** (2014.10 - US); **B42D 25/29** (2014.10 - US); **G07D 2207/00** (2013.01 - EP US)

Citation (examination)

- EP 3147873 A1 20170329 - GLORY KOGYO KK [JP]
- EP 3133562 A1 20170222 - GLORY KOGYO KK [JP]
- US 8395122 B2 20130312 - ALLEN PHILIP JOHN [GB], et al

Cited by
DE102019210761A1; DE102019005656A1; WO2021028074A1; WO2021013706A1

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

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DOCDB simple family (application)
EP 17210198 A 20171222; BR 102018077007 A 20181221; CN 201811571247 A 20181221; US 201816224255 A 20181218; US 202217667992 A 20220209