

Title (en)
A DOCUMENT SECURITY ELEMENT, A VALUE DOCUMENT WITH A SECURITY ELEMENT AND A METHOD OF MANUFACTURING OF A VALUE DOCUMENT

Title (de)
DOKUMENTSICHERHEITSELEMENT, EIN WERTDOKUMENT MIT EINEM SICHERHEITSELEMENT UND EIN VERFAHREN ZUR HERSTELLUNG EINES WERTDOKUMENTS

Title (fr)
ÉLÉMENT DE SÉCURITÉ DE DOCUMENT, DOCUMENT DE VALEUR AVEC UN ÉLÉMENT DE SÉCURITÉ ET PROCÉDÉ DE FABRICATION D'UN DOCUMENT DE VALEUR

Publication
EP 3431305 B1 20200826 (EN)

Application
EP 18184788 A 20180720

Priority
PL 42230017 A 20170721

Abstract (en)
[origin: EP3431305A1] The invention relates to a document security element comprising an image invisible in visible light, and visible in the infrared in the 700-1000 nm range, characterised in that it includes a layer of paper (11) susceptible to laser engraving, covered with a layer of paint (12) transparent in infrared radiation, wherein the layer of paper (11) comprises an engraving made by means of a laser beam pulse, performed after covering the layer of paper (11) with the layer of paint (12). The invention also relates to a value document comprising a security element, especially a document constituting a banknote, certificate, visa, passport or an identity card, characterised in that it comprises an element securing the documents according to the invention and the method of manufacturing thereof.

IPC 8 full level
B42D 25/41 (2014.01); **B42D 25/378** (2014.01)

CPC (source: EP)
B42D 25/378 (2014.10); **B42D 25/41** (2014.10)

Cited by
US2020180347A1; US11124009B2

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)
EP 3431305 A1 20190123; EP 3431305 B1 20200826; HU E051652 T2 20210329; LT 3431305 T 20210111; PL 233721 B1 20191129; PL 422300 A1 20190128

DOCDB simple family (application)
EP 18184788 A 20180720; HU E18184788 A 20180720; LT 18184788 T 20180720; PL 42230017 A 20170721