

Title (en)

APPARATUS AND METHOD FOR OPTICALLY EXAMINING SECURITY DOCUMENTS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR OPTISCHEN UNTERSUCHUNG VON WERTDOKUMENTEN

Title (fr)

DISPOSITIF ET PROCÉDÉ D'EXAMEN OPTIQUE DE DOCUMENTS DE VALEUR

Publication

EP 2011092 B1 20180221 (DE)

Application

EP 07724161 A 20070411

Priority

- EP 2007003220 W 20070411
- DE 102006017256 A 20060412
- DE 102006045624 A 20060927

Abstract (en)

[origin: WO2007118655A1] An apparatus for optically examining security documents (BN) has a detection region (14), in which a security document (BN) is located during the examination, and a spectrographic device (16). The latter has a spatially dispersing optical device (29) for at least partially breaking down optical radiation coming from the detection region (14) into spectrally separate spectral components which propagate in different directions in accordance with the wavelength, a detection device (30) which is spatially resolving in at least one spatial direction and is intended to detect the spectral components, and collimation and focussing optics (28) for collimating the optical radiation which is directed onto the dispersing device (29) from the detection region (14) and for focussing at least some of the spectral components formed using the dispersing optical device (29) onto the detection device (30).

IPC 8 full level

G07D 7/1205 (2016.01)

CPC (source: EP KR US)

G07D 7/1205 (2017.04 - EP KR US)

Citation (examination)

EP 1158459 A1 20011128 - SICPA HOLDING SA [CH]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007118655 A1 20071025; AU 2007237486 A1 20071025; BR PI0710060 A2 20110802; BR PI0710060 B1 20191105; CA 2648996 A1 20071025; CA 2648996 C 20180306; EP 2011092 A1 20090107; EP 2011092 B1 20180221; ES 2664410 T3 20180419; IL 194543 A0 20090803; IL 194543 A 20140831; KR 101353752 B1 20140121; KR 20080109064 A 20081216; RU 2008144482 A 20100520; RU 2409862 C2 20110120; US 2009174879 A1 20090709

DOCDB simple family (application)

EP 2007003220 W 20070411; AU 2007237486 A 20070411; BR PI0710060 A 20070411; CA 2648996 A 20070411; EP 07724161 A 20070411; ES 07724161 T 20070411; IL 19454308 A 20081005; KR 20087026903 A 20070411; RU 2008144482 A 20070411; US 29716107 A 20070411