

Title (en)

LASER PERFORATION IMAGE READER AND METHOD OF READING LASER PERFORATION IMAGE

Title (de)

LASERPERFORATIONSBILDLESER UND VERFAHREN ZUM LESEN EINES LASERPERFORATIONSBILDS

Title (fr)

LECTEUR D'IMAGE À PERFORATIONS LASER ET PROCÉDÉ DE LECTURE D'IMAGE À PERFORATIONS LASER

Publication

EP 2071489 A4 20100908 (EN)

Application

EP 07793682 A 20070824

Priority

- KR 2007004085 W 20070824
- KR 20060091890 A 20060921

Abstract (en)

[origin: WO2008035859A1] The present invention relates to a perforation image verification apparatus and a method of reading a plate-shaped medium based on a perforation image. More specifically, the present invention relates to a perforation image verification apparatus for reading a random-number perforation image perforated on a plate-shaped medium and then restoring an original image using an image restoration application, and a method of reading a plate-shaped medium based on a perforation image wherein an encryption function is used to form a random-number dot image and an inverse function of the encryption function is used to restore an original image. To this end, the perforation image verification apparatus of the present invention comprises a reader unit for reading an encrypted random-number perforation image perforated on a plate-shaped medium, an image restoration application unit for restoring an original image by applying a decryption function to the random-number perforation image, and a display unit for displaying the image restored by the image restoration application unit. As a result, whether the plate-shaped medium has been forged can be determined by comparing an image before encryption with the restored image.

IPC 8 full level

G06K 7/00 (2006.01)

CPC (source: EP KR)

G06K 1/04 (2013.01 - KR); **G06K 7/00** (2013.01 - KR); **G07D 7/005** (2017.04 - EP)

Citation (search report)

- [I] GB 1484042 A 19770824 - GRETAG AG
- [A] WO 9819869 A1 19980514 - IAI BV [NL], et al
- [A] US 6567530 B1 20030520 - KERONEN SEPPO REINO [AU], et al
- [A] FR 2740727 A1 19970509 - GIUSTO RENATO DI [FR]
- See references of WO 2008035859A1

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

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

WO 2008035859 A1 20080327; CA 2664074 A1 20080327; EP 2071489 A1 20090617; EP 2071489 A4 20100908; KR 100869830 B1 20081121; KR 20080026829 A 20080326

DOCDB simple family (application)

KR 2007004085 W 20070824; CA 2664074 A 20070824; EP 07793682 A 20070824; KR 20060091890 A 20060921