

Title (en)

AUTHENTICATING A DATA STORAGE MEDIUM USING PREDETERMINED INTER-SECTOR RELATIONSHIPS

Title (de)

AUTHENTIFIKATION EINES DATENSPEICHERMEDIUMS UNTER VERWENDUNG VORBESTIMMTER BEZIEHUNGEN ZWISCHEN SEKTOREN

Title (fr)

AUTHENTIFICATION D'UN SUPPORT DE STOCKAGE DE DONNEES FAISANT APPEL A DES RELATIONS INTERSECTORIELLES PREDETERMINEES

Publication

EP 1514188 A4 20160113 (EN)

Application

EP 03753032 A 20030514

Priority

- US 0315151 W 20030514
- US 38070902 P 20020514
- US 44403003 P 20030131

Abstract (en)

[origin: WO03098605A2] A data storage medium (230, 400) and associated method (500, 520), apparatus (250, 430) and application routine (110, 524) for authenticating the medium as an authentic copy. The medium (such as a prerecorded or recordable optical disc) is formatted so that a predefined relationship is established (502) between physical locations of at least first and second addressable data sectors (220) prior to recording of data to the sectors (506). The predetermined relationship will be present in an authorized copy of the medium (330) but not in an unauthorized duplicate (332), allowing an application routine to grant or deny access (532, 534) to remaining portions of the medium based on the presence or absence of the detected relationship. The predetermined relationship is further used to embed a forensic data payload to serve as a digital fingerprint on the medium.

IPC 8 full level

G11B 20/00 (2006.01); **G11B 20/10** (2006.01); **G11B 7/004** (2006.01); **G11B 7/007** (2006.01); **G11B 20/12** (2006.01)

CPC (source: EP)

G11B 20/00086 (2013.01); **G11B 20/00123** (2013.01)

Citation (search report)

- [X] WO 9935641 A1 19990715 - DILLA LIMITED C [GB], et al
- [X] US 5661800 A 19970826 - NAKASHIMA KAZUO [JP], et al
- [A] EP 1195761 A2 20020410 - SALIAHOV OLEG [RU]
- See references of WO 03098605A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 03098605 A2 20031127; **WO 03098605 A3 20040122**; AU 2003243235 A1 20031202; AU 2003243235 A8 20031202; EP 1514188 A2 20050316; EP 1514188 A4 20160113; JP 2005529435 A 20050929

DOCDB simple family (application)

US 0315151 W 20030514; AU 2003243235 A 20030514; EP 03753032 A 20030514; JP 2004506014 A 20030514