

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
10 January 2002 (10.01.2002)

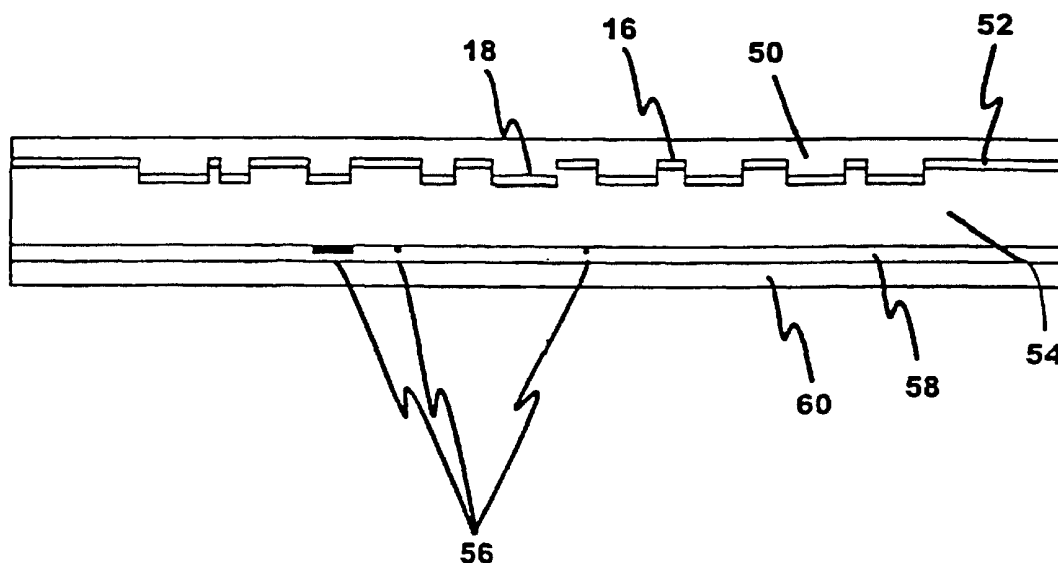
PCT

(10) International Publication Number
WO 02/03106 A3

- (51) International Patent Classification⁷: **G11B 3/70**, 3/24, B32B 3/02
- (71) Applicant (for all designated States except US): **VERIFICATION TECHNOLOGIES, INC.** [US/US]; 85 Westbrook Road, P.O. Box 11, Centerbrook, CT 06409 (US).
- (21) International Application Number: PCT/US01/20912
- (72) Inventors; and
- (22) International Filing Date: 29 June 2001 (29.06.2001) (75) Inventors/Applicants (for US only): **SELINFREUND, Richard, H.** [US/US]; 1285 Moose Hill Road, Guilford, CT 06437 (US). **DREW, Jeffrey, M.** [US/US]; 15 Rocaton Road, Darien, CT 06820 (US). **GOYETTE, Donald, R.** [US/US]; 274 Spaulding Road, Plainfield, CT 06374 (US). **VIG, Rakesh** [IN/US]; 15 Park Place, Durham, CT 06422 (US).
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
- | | | |
|------------|-------------------------------|----|
| 09/608,886 | 30 June 2000 (30.06.2000) | US |
| 09/631,585 | 3 August 2000 (03.08.2000) | US |
| 09/739,090 | 15 December 2000 (15.12.2000) | US |
| 09/821,577 | 29 March 2001 (29.03.2001) | US |
| 09/879,457 | 12 June 2001 (12.06.2001) | US |
- (74) Agent: **MOORE, Steven, J.**; Pillsbury Winthrop LLP, 1600 Tysons Boulevard, McLean, VA 22102 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,

[Continued on next page]

(54) Title: COPY-PROTECTED OPTICAL MEDIA AND METHOD OF MANUFACTURE THEREOF



(57) Abstract: A method for fabricating read-only copy protected optical medium comprising: a substrate (54) having information pits (18) and lands (16) thereon and a light sensitive material (56) placed at a position capable of altering the data reading during copying of the optical medium but permitting read of the underlying data in the reading of the optical medium.



WO 02/03106 A3



IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:

30 May 2002

Published:

-- with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US01/20912

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G11B 3/70, 3/24; B32B 3/02

US CL : 359/275.4, 275.5, 284, 288; 428/64.4, 64.8; 430/270.11, 945

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 369/275.4, 275.5, 284, 288; 428/64.4, 64.8; 430/270.11, 945

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WEST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,Y	US 5,204,852 A (NAKAGAWA et al.) 20 April 1993, whole document	36-53
A	US 5,182,669 A (CHIKUMA et al) 26 January 1993, whole document.	74-105
Y	US 5,648,197 A (KURODA) 15 July 1997, whole document	66-73
Y	US 5,080,946 A (TAKAGISI et al.) 14 January 1992, whole document.	36-53



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"G" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

28 AUGUST 2001

Date of mailing of the international search report

03 JAN 2002

Name and mailing address of the ISA/US
Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

THANG V. TRAN

Telephone No. (703) 305-1531