(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
4 December 2003 (04.12.2003)

PCT

(10) International Publication Number
WO 2003/100472 A3

(51) International Patent Classification[7]: H04N 7/045

(21) International Application Number:
PCT/US2003/016151

(22) International Filing Date: 21 May 2003 (21.05.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/154,172 21 May 2002 (21.05.2002) US

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(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, EC, 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, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

(88) Date of publication of the international search report:
1 April 2004

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.

(54) Title: CONTROLLERS FOR LASER DRIVING HAVING AUDIO SIGNAL INPUT

(57) Abstract: An optical appliance (100) that is capable of processing optical media can be used to modulate a laser. In some systems, the optical appliance includes an optoelectronic transducer (102), a compact disk (CD) or digital versatile disk (DVD) controller and front end. A modulated laser can be used as an optical network with a terminal node in the form of a conventional optical detector such as a compact disk (CD) or digital versatile disk (DVD) pickup. A CD or DVD controller and front end can be used to modulate the laser. Accordingly, the controller and front end can modulate the laser to emulate reading of an optical disk medium.

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INTERNATIONAL SEARCH REPORT

Form PCT/ISA/210 (second sheet) (July 1998)

International application No.
PCT/US03/16151

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) :IPC (7): H04N 7/045

US CL : 369/47.49, 59.21, 59.23, 121

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. : 369/47.49, 59.21, 59.23, 121

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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

EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4,418,406 A (OGAWA) 29 NOVEMBER 1983, col. 1, lines 11-40	10,12,14
Y	US 6,445,873 A (NOGUCHI et al) 3 SEPTEMBER 2002, col. 1 lines 5-56	10,12,14
X	US 5,572,502 (NARUSE et al) 5 NOVEMBER 1996, col. 29, lines 35-60	2-9,11,13,16-23
X	US 5,608,710 A (MINEMURA et al) 4 MARCH 1997, col. 7, line 29 to col. 8 line 52	2-9,11,13,16-23
X	US 5,631,887 A (HURST, Jr.) 20 MAY 1997, col. 4 line 5 to col. 5 line 5	1-9,11,13,16-23

☐ 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
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"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)	"&"	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 02 DECEMBER 2003	Date of mailing of the international search report 18 DEC 2003
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