9704608-0
IPOS COPY
IPER + ANNEXE
+ PF15 (AMEN
+ PF23 (AMEN

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : G11B 7/00, 5/09, H04N 5/76 — A1

(11) International Publication Number: WO 96/27879

(43) International Publication Date: 12 September 1996 (12.09.96)

(21) International Application Number: PCT/US96/02931

(22) International Filing Date: 4 March 1996 (04.03.96)

(30) Priority Data:
400,671 — 8 March 1995 (08.03.95) — US
400,672 — 8 March 1995 (08.03.95) — US

(71) Applicant: OPTICAL DISC CORPORATION [US/US]; 12150 Mora Drive, Santa Fe Springs, CA 90670 (US).

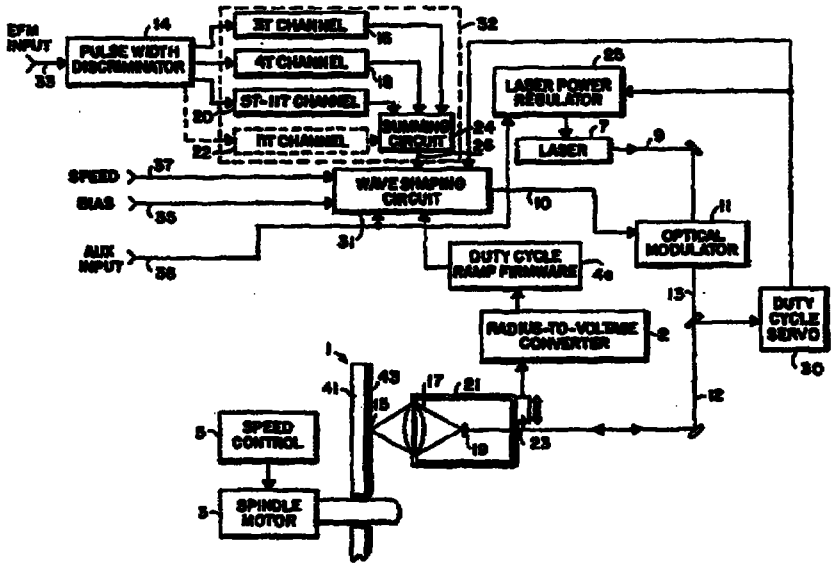
(72) Inventors: BROWNE, John, F.; 19 Greystone Way, Laguna Niguel, CA 92677 (US). WILKINSON, Richard, L.; 15722 Willowood Street, La Mirada, CA 90658 (US). BOYLE, William, W.; 1430 N. Eastbury Avenue, Covina, CA 91722 (US). RILUM, John, H.; 12485 Seaton Way, Tustin, CA 92680 (US). LI, Shigang; 12630 Bloomfield #4, Norwalk, CA 90650 (US).

(74) Agents: HOLLINGSWORTH, Don, A. et al.; Ladas & Parry, Suite 2100, 5670 Wilshire Boulevard, Los Angeles, CA 90036 (US).

(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).

Published
With international search report.

(54) Title: METHOD AND MEANS FOR CHANGING PIT DEPTH ON AN OPTICAL RECORDABLE MEDIUM



(57) Abstract

Method and apparatus for improving the characteristics of the surface effects on a replicated optical disc (1), the master for which is recorded on an optical recording apparatus which includes a writing light beam source (7) and an optical modulator (11) for modulating the intensity of the writing beam of light above and below a threshold level of a relatively moving recording medium response to a modulator drive signal (10) for recording information on the medium, the light beam being capable of forming a track of surface effects or indicia in the relatively moving master recording medium when the writing beam is above threshold and incapable of forming surface effects in the relatively moving recording medium when the writing beam is below threshold.