PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : G11B 7/125, 20/10, 7/00 — A1

(11) International Publication Number: **WO 00/16322**

(43) International Publication Date: 23 March 2000 (23.03.00)

(21) International Application Number: PCT/JP99/03699

(22) International Filing Date: 8 July 1999 (08.07.99)

(30) Priority Data:

10/259908	14 September 1998 (14.09.98)	JP
10/350100	9 December 1998 (09.12.98)	JP

(81) Designated States: AU, BR, CA, CN, KR, SG.

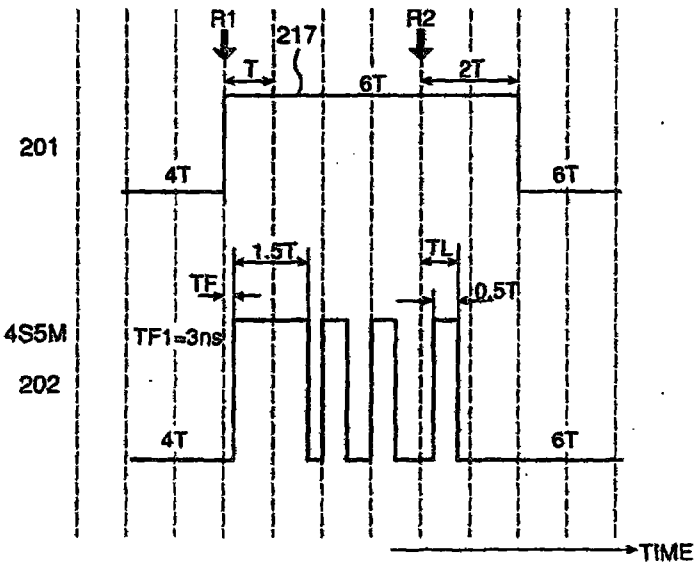
Published
With international search report.

(71) Applicant: MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. [JP/JP]; 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 (JP).

(72) Inventors: SHOJI, Mamoru; 3-13-4-805, Mozuumemachi, Sakai-shi, Osaka 591-8032 (JP). ISHIDA, Takashi; 13-14, Hashimotoisoku, Yawata-shi, Kyoto 614-8331 (JP). NAKAMURA, Atsushi; Shokoryo, 25-3, Midocho, Kadoma-shi, Osaka 571-0064 (JP).

(74) Agents: AOYAMA, Tamotsu et al.; Aoyama & Partners, IMP Building, 3-7, Shiromi 1-chome, Chuo-ku, Osaka-shi, Osaka 540-0001 (JP).

(54) Title: OPTICAL DATA RECORDING METHOD, AND DATA RECORDING MEDIUM



(57) Abstract

An optical disc has a plurality of tracks for recording information represented as marks and spaces between the marks. The marks are formed by an optical beam modulated by a plurality of drive pulses where a number of the drive pulses is determined according to a length of a mark part in the original signal to be recorded to the track. The optical disc has a data recording area for recording data, and a control information recording area for storing a first pulse position Tu value indicative of rising edge of the first drive pulse for determining a start position of a mark to be recorded, and a last pulse position Td value indicative of falling edge of the last drive pulse for determining an end position of a mark to be recorded.