

9703253-6

RTMP's  
copy.

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION  
International Bureau

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

|                                                                                      |    |                                                             |
|--------------------------------------------------------------------------------------|----|-------------------------------------------------------------|
| (51) International Patent Classification <sup>6</sup> :<br>G11B 5/584, 15/087, 27/32 | A1 | (11) International Publication Number: <b>WO 97/17699</b>   |
|                                                                                      |    | (43) International Publication Date: 15 May 1997 (15.05.97) |

(21) International Application Number: **PCT/IB96/01149**(22) International Filing Date: **25 October 1996 (25.10.96)**

(30) Priority Data:

95203028.6

8 November 1995 (08.11.95)

EP

(34) Countries for which the regional or international application was filed:

NL et al.

(71) Applicant: PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(71) Applicant (for SE only): PHILIPS NORDEN AB [SE/SE]; Kottbygatan 7, Kista, S-164 85 Stockholm (SE).

(72) Inventors: HOOGENDOORN, Abraham; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). KALFS, Johannes, Jozef, Wilhelmus; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(74) Agent: VAN DER KRUK, Willem, L.; Internationaal Octrooibureau B.V., P.O. Box 220, NL-5600 AE Eindhoven (NL).

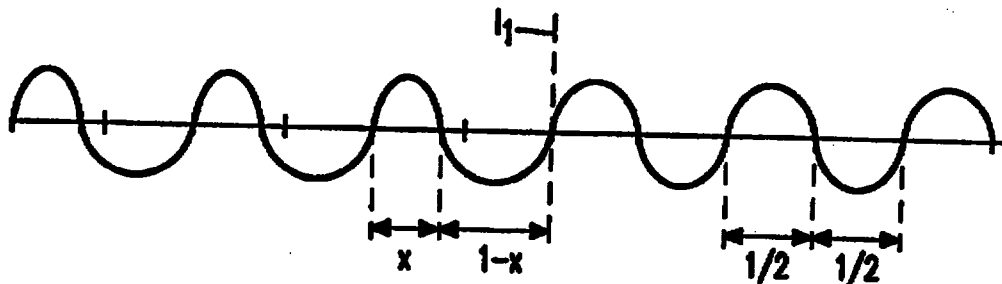
(81) Designated States: CN, JP, KR, NO, SG, TR, VN, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

plz refer to assignment (PF24)  
of 14 May 97

(54) Title: **RECORDING AND REPRODUCING AN INFORMATION SIGNAL ON/FROM A LONGITUDINAL RECORD CARRIER PROVIDED WITH TRACKING SIGNALS**

## (57) Abstract

The invention thus relates to the identification of lead-in and lead-out portions of a longitudinal record carrier (2), using marks in the form of a modification of tracking signals ( $s_1$ ,  $s_2$ ) recorded in tracks ( $T_1$ ,  $T_2$ ). This identification is such that the frequencies of the tracking signals remain unchanged in the lead-in and the lead-out portion. Such modification results in the possibility to use the tracking signals in the lead-in and the lead-out portion to record an information signal even in a part of the lead-in and the lead-out portion. The modification may be realized by changing the duty cycle of the tracking signals.