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(21) International Application Number: PCT/IB98/01817 (22) International Filing Date: 13 November 1998 (13.11.98) (30) Priority Data: 97203866.5 8 December 1997 (08.12.97) EP (71) Applicant: KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 Eindhoven (NL). (71) Applicant (for SE only): PHILIPS AB [SE/SE]; Kottbygatan 7, Kista, S-164 85 Stockholm (SE). (72) Inventors: RIJCKAERT, Albert, M., A.; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). LOOYKENS, Marinus, A., H.; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). (74) Agent: VAN DER KRUK, Willem, Leonardus; Internationaal Octrooibureau B.V., P.O. Box 220, NL-5600 AE Eindhoven (NL).		(81) Designated States: AU, BR, CA, CN, JP, KR, SG, VN, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published Without international search report and to be republished upon receipt of that report.

(54) Title: RECORDING AND REPRODUCTION OF AN INFORMATION SIGNAL IN A SHORT PLAY AND A LONG PLAY MODE

(57) Abstract

An apparatus is disclosed for recording an information signal and a CTL signal on a magnetic record carrier (16). The apparatus is provided with an input (2) for receiving the information signal and at least one write head (10) located on a rotatable head drum (14) for writing the information signal producing slant tracks. A generator (36) for generating a CTL signal having a specific frequency and a write head (34) for writing the CTL signal producing a longitudinal track is also provided. In a first recording mode, a portion of the information signal is recorded by said write head (10) producing a track of information during each revolution of said head drum on said record carrier. The frequency of said CTL signal is such that an edge of the first type in said CTL signal is written in said CTL track for each of said tracks of information written by said write head (10). The record carrier (16) is transported with a predetermined first speed in said first recording mode and the head drum (14) is rotated with a predetermined rotational velocity. In a second recording mode, the write head (10) writes a portion of said information signal producing a track of information during each n -th revolution of said head drum (14) on said record carrier. The record carrier is transported with a second speed which substantially equals the first speed divided by n , in said second recording mode. The head drum is rotated with said same predetermined rotational velocity and a CTL signal having the same predetermined frequency is generated in said second recording mode. n is an integer larger than 1.

