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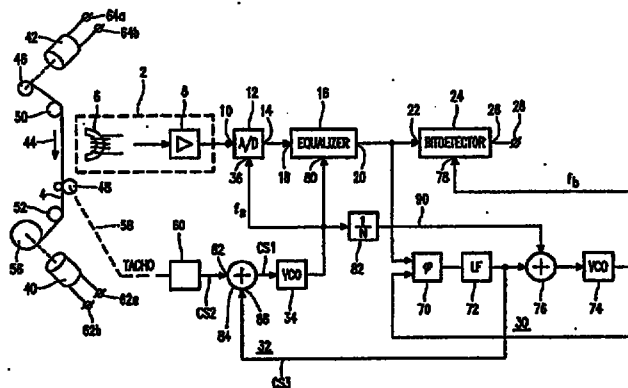


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(71) Applicant: KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).			
(71) Applicant (for SE only): PHILIPS AB [SE/SE] ; Kottbygatan 7, Kista, S-164 85 Stockholm (SE).			
(72) Inventor: VAN DEN ENDEN, Gijsbert, Joseph; 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).			

(54) Title: **REPRODUCTION OF AN INFORMATION SIGNAL FROM A RECORD CARRIER**



(57) Abstract

The invention relates to an apparatus for reproducing an information signal from a record carrier. The apparatus comprises reading means (6, 8) for reading the information signal from a track on the record carrier (4). The reading means comprises at least one read head (6) for reading the information signal from said track. Further, an A/D converter (12, 34) is available for A/D converting the information signal read from the record carrier with a specific clock frequency (f_s), in response to a first control signal (cs1). A bit detector unit (24) is provided having an input coupled to the A/D conversion means, which bit detector unit is adapted to retrieve a sequence of bits from the signal applied to its input, with a specific bit frequency (f_b). A generator unit for deriving said first control signal, as well as a generator for deriving said specific bit frequency is available. The generator unit for deriving said first control signal comprises a coarse control signal generator (48, 60) for deriving a coarse control signal so as to generate such specific clock frequency (f_s) that roughly N samples per bit are supplied by the A/D conversion means (12, 34), irrespective of the relative velocity of the said at least one read head with reference to the said track, and a fine control signal generator (30, 70, 72) for deriving a fine control signal (cs3) so as to correct for the deviation of the specific clock frequency, expressed in number of samples per bit, from the value of N samples per bit, where N is a positive constant value.