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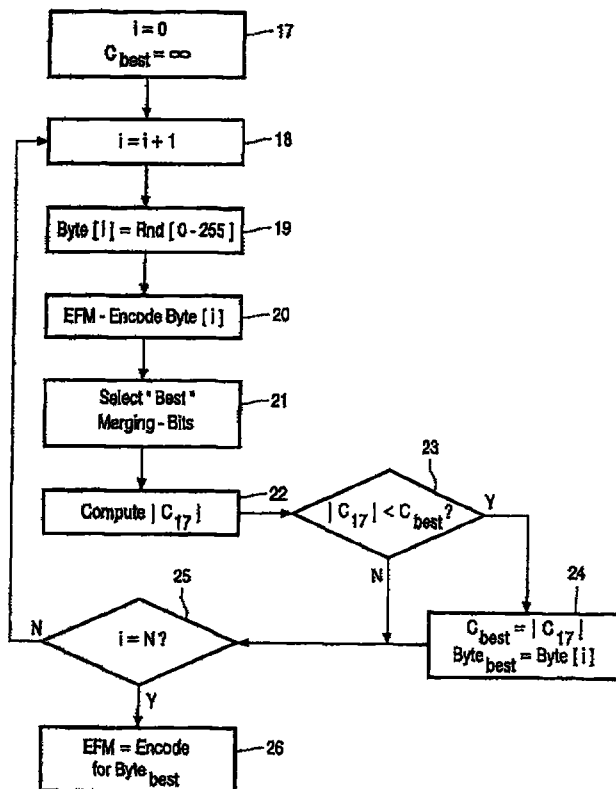
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(54) Title: METHOD FOR GENERATING A BINARY SIGNAL HAVING A PREDETERMINED SPECTRAL SHAPE



(57) Abstract: The invention relates to a method for generating a primary binary signal having a predetermined spectral shape in a predetermined frequency range, in particular having a notch in the power spectrum in a predetermined frequency range. In order to avoid crosstalk between a primary binary signal and a secondary binary signal it is proposed according to the invention that data-words are modulated into channel-words forming the channel bitstream of the primary binary signal and that the modulation of the data-words is chosen such that the predetermined spectral shape of the channel bitstream of the primary binary signal is achieved by using an evaluation criterion based on a spectral weight function the shape of which is tailored to the spectral extent of the channel bitstream of a secondary binary signal. The invention is in particular useful for generating a primary binary signal which is used in the lead-in area of an optical record carrier where a wobble is used in the secondary binary signal for storing a wobble key. The invention relates further to a device for generating the channel bitstream of a primary binary signal, to a primary binary signal and to a record carrier for storing such a binary signal.



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