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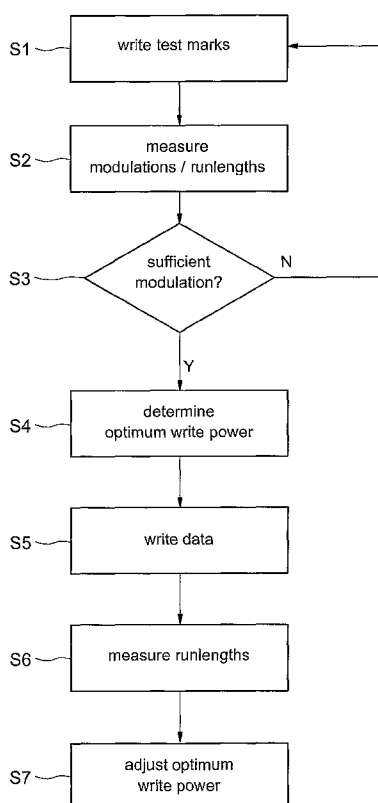
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(54) Title: METHOD OF OPTIMIZING THE WRITE POWER FOR RECORDING MARKS IN AN INFORMATION LAYER OF A RECORD CARRIER AND RECORDING DEVICE USING SUCH AN OPTIMIZING METHOD



(57) Abstract: The present invention relates to a method of optimizing the write power for recording marks in an information layer of a record carrier by irradiating the information layer with a (pulsed) radiation beam, said information layer having a phase that is reversibly changeable between a first (for example a crystal) phase and a second (for example an amorphous) phase. Since the methods known for 1 T write strategies generally cannot be used for nT write strategies, n being an integer greater than 1, a new method is proposed comprising the steps of: recording (S 1) a pattern of test marks including short marks having a pre-determined short nominal runlength onto the record carrier by applying at least three different write powers, measuring (S2) the runlengths of said recorded short marks obtained by applying the at least three different write powers, and determining (S4) an optimum write power on the basis of the deviations of the measured runlengths from the nominal runlength of said short marks.

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