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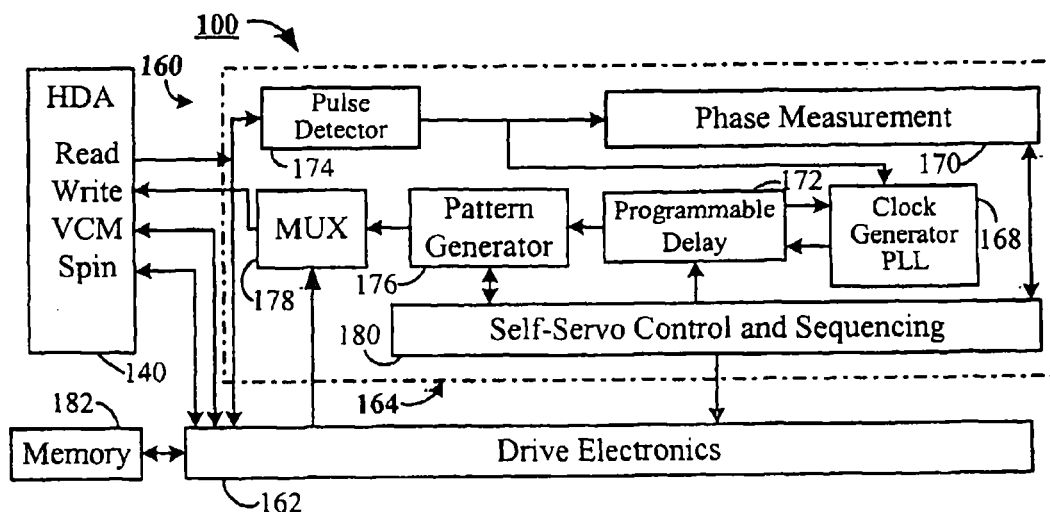
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(54) Title: A CIRCUIT FOR SELF-WRITING SERVO AND CLOCK FIELDS ON A DISC DRIVE



(57) Abstract: A disc drive (100) with an information portion previously written on a rotatable disc surface (106), a servo write clock generator phase lock loop circuit (168) controlling timing for writing a reference mark to the rotatable disc surface (106) in substantial time alignment and phase and frequency coherent with the information portion previously written to the rotatable disc surface (106), a servo write clock generator phase lock loop circuit (168) controlling timing for writing the reference mark, a pulse detector circuit (174) for creating logic level signals from the reference mark, a pattern generator (176) for generating reference mark write signals from the logic level signals, a memory buffer (182) for storing radial position correction tables and values for writing the reference mark, and a self-servo control and sequencing circuit (180) synchronizing timing signals for writing the reference mark to rotatable disc surface (106) of disc drive (100).



ACTION

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