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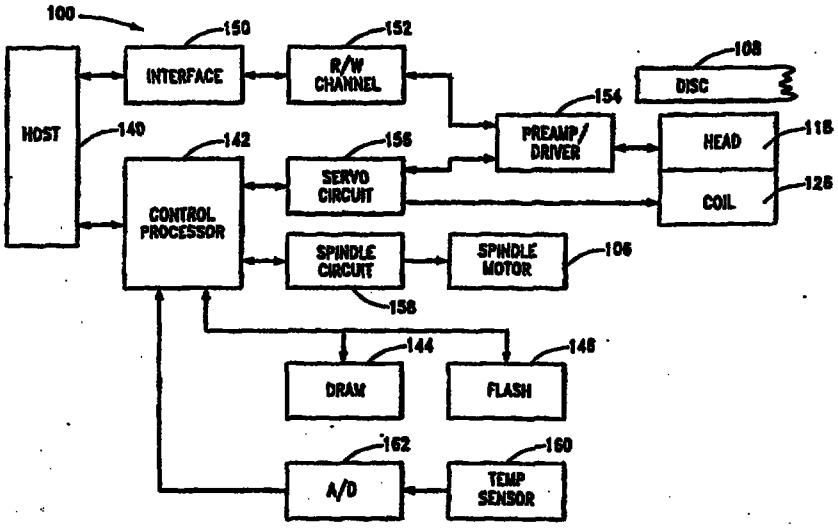
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(54) Title: TEMPERATURE DEPENDENT DISC DRIVE PARAMETRIC CONFIGURATION



(57) Abstract

A method and apparatus are disclosed to optimize operational performance of a disc drive (100) through temperature dependent parametric configuration. The disc drive is provided with a temperature sensor (160) which provides an indication of operational temperature, circuitry (152, 156) which utilizes temperature dependent parameters to optimize performance and a parametric configuration circuitry (142) which identifies a plurality of operational temperature ranges and a corresponding set of parameters for each range. Upon initialization of the disc drive (202), the parametric configuration circuit measures the temperature (204) and loads the appropriate set of parameters (206). Thereafter, the parametric configuration circuit initiates a series of delays (212, 220) and measures the temperature of the drive (219, 222) at the conclusion of each delay. When the measured temperature indicates the drive has transitioned to a new operational temperature range (216, 224), the corresponding set of parameters are loaded (218, 226).