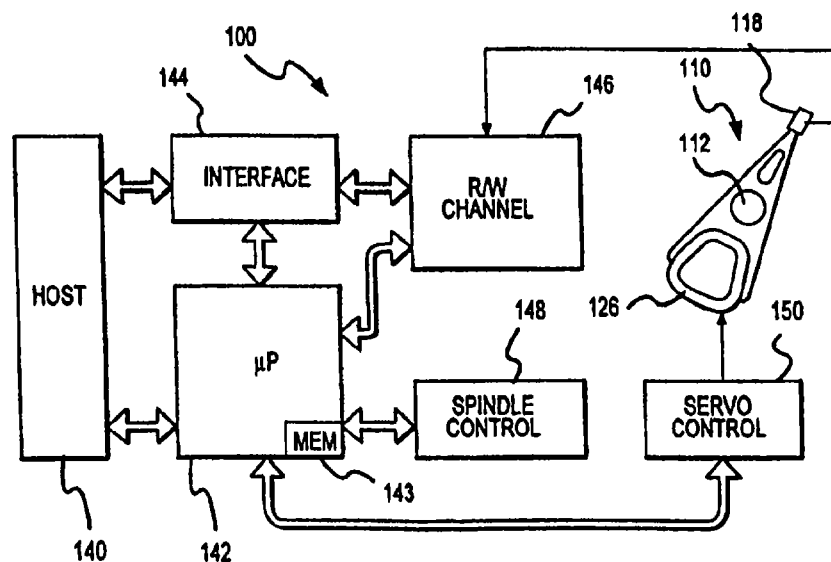




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(54) Title: ROTATIONALLY OPTIMIZED SEEK INITIATION



(57) Abstract

Methods and control systems for delaying a seek once a command is received to further load a buffer with read look ahead data are described. The methods involve calculating when or at what point the prefetching should cease and a seek should be initiated so that the actuator arm arrives at a new track just in time to begin reading the target data. The control systems include a processor that instructs a servo control to hold the actuator on a track while data is prefetched and loaded into a buffer until a seek must be initiated to allow the actuator to arrive at the new track just in time to begin reading the new target data.