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**METHOD FOR SERVO WRITING SERVO PATTERN
AT A DESIRED SPEED**

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Abstract of the Disclosure

A servo writer writes servo information to at least one disc of a head disc assembly. The servo writer includes a clock head that writes a clock track to the at least one disc and generates a clock signal when the clock head reads the clock track on the at least one disc. A servo pattern generator writes servo patterns to the at least one disc in response to the clock signal generated by the clock head reading the clock track on the at least one disc. The servo track writer also includes a phase lock loop clock generator which synchronizes to the clock track and produces the clock signal for the servo pattern generator.

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