METHODS AND SYSTEMS FOR SELF-SERVOWRITING INCLUDING MAINTAINING A REFERENCE LEVEL WITHIN A USABLE DYNAMIC RANGE

ABSTRACT

Methods and systems for self-servowriting a data storage medium are disclosed, including servoing to propagation bursts of a propagation pattern located in tracks (200) other than an immediately preceding track. Reference levels used to position a recording head are accordingly kept in a usable dynamic range necessary to keep servo track spacing constant across the medium. The methods and systems are disclosed in connection with a rotary actuator having spaced read (105) and write (100) heads. Similar methods are disclosed for writing trigger or timing bursts of the propagation pattern.

Fig. 4.