

A METHOD AND ASSEMBLY FOR INCREASING STORAGE DEVICE RELIABILITY

ABSTRACT

The invention increases the reliability of a data storage device (10). The invention may include setting a threshold seek value T_{seek} and comparing this value to the actual seek performed by the head, V_{seek} , to determine the need for a stop/start operation. Alternatively, the invention includes defining threshold seek operation count T_{seek} , counting the number of seek operations to determine M_{seek} since the last stop/start operation, recalling the total number of seek operations completed by the data storage device to define N_{seek} , defining D_{seek} by determining the difference between N_{seek} and M_{seek} , and determining whether D_{seek} is equal to or greater than T_{seek} . When D_{seek} is equal to or greater than T_{seek} , the transducer head (16), undergoes a stop/start operation. M_{seek} may then be reset to equal N_{seek} before the stop/start operation is undertaken. When D_{seek} is less than T_{seek} the count is commenced.

Fig. 4