

METHOD AND APPARATUS FOR POSITIONING
A DUAL ELEMENT MAGNETORESISTIVE HEAD

Abstract

The present invention is a method and apparatus for positioning a dual element magnetoresistive (MR) head (80) relative to a storage medium (24) in a storage device (20). The MR head has first and second MR elements (80a, 80b). The storage medium is mounted in the storage device to allow relative movement between the MR head and the storage medium. The storage medium includes servo information provided to induce first and second thermal responses (81, 83) in the MR elements. A controller (200, 250) is coupled to the MR head and controls the relative movement between the MR head and the storage medium using the first and second thermal responses in the MR elements.

Figure 7