ON THE FLY DEFECT SLIPPING

Abstract of the Disclosure

A disc drive includes a base and a disc rotatably attached to the base. The disc drive also includes a defect management system for managing defective sectors located on the disc surface of a disc within the disc drive. The defect management system includes a controller, and a memory associated with said controller. The controller skips at least a first defective sector and a second defective sector. The first defective sector may be contiguous with the second defective sector or at least one writable sector is located between the first defective sector and the second defective sector. The controller also controls the head to write at least the last two sectors of the plurality of sectors to be written to at least two contiguous sectors located in a pool of spare sectors. A method for writing a plurality of sectors of information to a storage surface on a disc in a disc drive includes determining the start location for writing the plurality of sectors; and determining a number of skipped defective sectors that will be encountered when writing the plurality of sectors. At least two sectors of the plurality of sectors are reassigned and written to at least two sectors in a spare sector pool. The method includes storing the location of the spare sectors within the spare sector pool so that the spare sectors may be located at a subsequent time during a read operation.

FIG. 9