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Method for Writing Streaming Audiovisual Data to a Disk Drive

Abstract

Streaming audiovisual data is written to a disk drive by organizing (200) data into clusters and commencing writing to the first physical sector encountered (206) after the read/write head has settled (204) to the desired disk track. A cluster contains a number of data blocks corresponding to the number of physical sectors in an integer number of tracks, so that a cluster is written to an integer number of full tracks. The writing of cluster data takes place without regard to index position. During interleaving of audiovisual data, clusters in the first portion of a first task are written (206) during a first interleave period, the head is then positioned to another track and clusters in the first portion of a second task are written (208) during the next interleave period, beginning with the first physical sector encountered. The location of the first block of cluster data is identified by writing a block number into the physical sector, or writing a start of cluster indicator on the relevant track.

Fig. 3.

