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TRACK MANAGEMENT METHOD AND APPARATUS FOR MANAGING
TRACKS ON A STORAGE MEDIUM

ABSTRACT OF THE DISCLOSURE

A track management method includes steps of obtaining track information from a play order table having track information entries arranged in a predetermined play order, the track information corresponds to a track to be deleted and points to a track descriptor in a track information table; obtaining the track descriptor, the track descriptor including a decryption key corresponding to the track to be deleted and pointer information that points to one of a plurality of part descriptors in a part information table; advancing the predetermined play order for a subset of the plurality of track information entries that follow the track to be deleted in the predetermined play order; reading the one of a plurality of part descriptors; separating in a file system a data block that is a part of a file specified by part pointer information in the part descriptor from the file managed by the file system and freeing the data block on the file system, the part pointer information pointing to a part of the file that includes a plurality of data blocks; freeing the part descriptor on the file system; and freeing the track descriptor on the file system.

FIG. 28

