

ABSTRACT

In a ROW-based DVD-RW, a DVD video file is managed according to provisional VMGI (TMP_VMGI) and an extension file other than the DVD video file, such as a JPEG file or the like is managed according to intermediate management information (TMP_EXTI), and temporary space bitmap (TMP_SBM) used in UDF and the like is added to provisional VMGI (TMP_VMGI) to record a combination of the DVD video file and extension file such as JPEG file and manage the temporary space. Thereby, the temporary space can be known from TMP_SBM, and even when the extension file has been deleted, the DVD-RW is made interchangeable with a read-only optical disk through finalization. Thus, the present invention allows to record a file of still pictures other than moving pictures and also pad information in a temporary space resulted from deletion of any recorded area.