Abstract

RECORDING MEDIUM FOR STORING LINKING TYPE INFORMATION AND METHOD OF PROCESSING DEFECTIVE AREA USING THE SAME

A recording medium storing linking type information and a method of processing a defective area in the medium. The recording medium stores information indicating that linking is applied immediately after the defective area, distinguishing a linking type which occurs in a general incremental recording mode from a linking type which occurs after the defective area. Defective areas are detected and registered in a predetermined area (recording management data (RMD) area) before user data is recorded or while user data is being recorded in the recording medium having a plurality of continuous basic recording units, such as digital versatile disc-rewritable (DVD-RW) in which recording and reproducing can be done repeatedly. Linking is not only applied in an incremental recording mode or in a restricted overwrite recording mode, but linking is also applied to an area immediately after the defective area which is registered in the defect list, increasing reliability of the user data. In addition, a test signal such as data, a groove wobble pattern, or a recording mark which has a test pattern, which functions as linking data is recorded in advance in a block immediately after the defective area detected during certification. If the test signal is detected after the defective area, the new user data is recorded immediately after a predetermined number of error correction code (ECC) blocks following the defective area without using linking, reducing the time for recording linking data, which is advantageous to real-time recording.

Figure 2