

**METHOD AND APPARATUS FOR MANAGING DEFECTS IN RECORDING
MEDIA, AND A DEFECT MANAGED RECORDING MEDIUM OBTAINED
USING THE SAME METHOD**

ABSTRACT

An apparatus comprises a recording/reading unit to record/read data with respect to a recording medium which comprises a data area disposed between a lead-in area and a lead-out area, including a user data area and at least a spare area having a replacement area to replace a defective area occurring in the user data area; and a temporary defect management area (TDMA) arranged in one of the lead-in area and the lead-out area; and a controller arranged to control the recording/reading unit to record data for replacing the defective area of the recording medium, and position information regarding the defective area, on the replacement area located in the spare area of the recording medium, to record temporary defect information identifying positions of the defective area and the replacement area in the temporary defect management area (TDMA), the temporary defect information including temporary defect management information to manage the temporary defect information, and during a finalization of the recording medium, to record the temporary defect information recorded in the temporary defect management area (TDMA) in a defect management area (DMA).

Fig. 7