A B S T R A C T

In this invention, in an optical disk on which data is to be recorded in units of one ECC block constructed by 16 sectors, dummy data is recorded at the manufacturing time or at the initial time such as the application starting time, then the dummy data is reproduced to determine a sector with primary defect, the address of the sector which is determined to have the primary defect is recorded on the optical disk, and at the time of data recording, data recording is effected in units of one ECC block while skipping over the sector with the primary defect. Further, in the optical disk on which data is to be recorded in units of one ECC block, data is recorded at the time of data recording other than the initial time, then the data is reproduced to determine an ECC block having a sector with secondary defect, and data of the ECC block which is determined to have the sector with secondary defect is recorded in an ECC block which is separately prepared. Further, in the optical disk on which data is to be recorded in units of one ECC block constructed by 16 sectors, dummy data is recorded at the manufacturing time or at the initial time such as the application starting time, then the dummy data is reproduced to determine a sector with primary defect, the address of the sector which is determined to have the primary defect is recorded on the optical disk,

data recording is effected in units of one ECC block while skipping over the sector with the primary defect at the time of data recording, data is recorded at the data recording time other than the initial time, the data is reproduced to determine an ECC block having a sector with secondary defect, and data of the ECC block which is determined to have the sector with secondary defect is recorded in an ECC block which is separately prepared.