ABSTRACT

Apparatus for Recording and/or Reproducing in Real Time

A recording and/or reproducing apparatus for recording and/or reproducing real time files on a disc using real time recording/reproduction information for ensuring real time recording/reproduction, the apparatus comprising:

a codec to compress and encode an input bitstream according to a predetermined compression scheme and to provide compressed and encoded data upon recording on the disc, and decode the compressed and encoded data upon reproduction from the disc;

a buffer to temporarily store the compressed and encoded data at a recording bit rate using bit rate information included in the real time recording/reproduction information, and to transmit the compressed and decoded data written on the disc to the codec at a reproduction bit rate;

a signal processor to convert the compressed and encoded data stored in the buffer into a signal suitable for recording and to transmit the converted signal together with the real time recording/reproduction information onto the disc upon recording, and to reproduce the compressed and encoded data read from the disc according to the real time recording/reproduction information recorded on a predetermined area of the disc; and

a controller to control driving of a servo mechanism including a spindle motor according to the bit rate information of the real time recording/reproduction information.

Figure 4.



