DATA RECORDING/REPRODUCING APPARATUS AND METHOD CORRESPONDING TO A PLURALITY OF DATA FORMATS, AND DATA RECORDING MEDIUM

ABSTRACT OF THE DISCLOSURE

A data recording apparatus is constructed by: an input unit for receiving first and second digital data in which a ratio of sector sizes is not equal to an integer ratio; a block segmenting unit for inserting first data nA and second data mB (n and m are integers of 2 or more and $n \neq m$) when it is assumed that a sector size of first data is set to A and a sector size of second data is set to B and for forming data of a block structure; a recording processing unit for performing an error correction encoding and a digital modulation to the data of the block structure; and a recording unit for recording the recording data from the recording processing unit to a data recording medium.

FIGURE 1