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ABSTRACTMULTIPLE DATA SEPARATING

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A data multiplexing apparatus comprises a control device for timeshare-multiplexing a plurality of variable rate data in a multiplexing unit of fixed data length.

A plurality of data reproduced from multiplexed data which was timeshare-multiplexed in the multiplexing unit of fixed data length, the buffers having the storage capacity of the multiplexing unit of fixed data length.

A plurality of buffers can be provided in correspondence to a plurality of original data demultiplexed from multiplexed data where a plurality of variable rate data were timeshare-multiplexed in a particular multiplexing interval (for example, a pack interval). The plurality of buffers have at least the storage capacity of the maximum data length of data which can be generated in the multiplexing interval. In addition, the apparatus further comprises a read delay device for delaying data reading of the plurality of buffers for the period of time corresponding to the multiplexing interval.

A controlling means (NOR gate) can be provided for temporarily stopping reading a plurality of data which were timeshare and multiplex-stored on a data storing medium in the case there is no storage in any one of a plurality of buffers for storing a plurality of original data is provided.

FIGURE 9