ABSTRACT

SECTOR BASED TIMING RECOVERY FOR A READBACK SIGNAL

A method and a signal processing unit are proposed, for converting an asynchronous discrete-time signal to a synchronous discrete-time signal by performing sector-based timing recovery. The timing recovery includes aligning an initial portion of the asynchronous discrete-time signal to a first portion of a predetermined signal, and a later portion of the asynchronous discrete-time signal to a second portion of a predetermined signal. Optionally, the method and signal processing unit further perform sector based gain control, and sector-based removal of any dc component.

Fig 1(a)

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