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OPTICAL SEEKING METHOD AND APPARATUS GENERATING TRACK COUNT SIGNAL FROM TRACKING ERROR SIGNAL AND DATA SIGNAL

ABSTRACT

A method and apparatus provided for moving an optical head from an initial track to a target track on a storage medium by determining the total number of tracks to be crossed and moving the optical head toward the target track. A tracking error signal is derived from a reflectivity level. The tracking error signal has both true and false indicators of track crossings. The apparatus includes a sensor for measuring the reflectivity level from the storage medium, a tracking error signal generator for generating the tracking error signal, a preamplifier for generating a data signal, a track crossing signal generator responsive to the tracking error signal, and a track/hold selector responsive to the data signal to direct the track crossing signal generator to generate a track crossing signal without the false track crossing indicators from the tracking error signal.

Figure 4



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