

REPEATABLE RUN-OUT ERROR COMPENSATION METHOD FOR A DISC DRIVE

Abstract of the Disclosure

5 Steps for isolating and correcting total written-in repeatable run-out error written
into servo sectors of a disc drive include, determining a total repeatable run-out error
value for each servo sector, isolating a repeatable error value component of the total
written-in repeatable run-out error value for each servo sector, removing the repeatable
error value component from total written-in repeatable run-out error value to provide a
10 non-repeatable error value component of the total written-in repeatable run-out error
value for each servo sector, providing both the repeatable and non-repeatable error value
components to a processor for generation of compensation signals, and applying the
compensation signals into a servo control circuit of control loop of the disc drive using
compensation circuits to compensate for each component of the total written-in
15 repeatable run-out error.

FIG. 7