This Sheet Has Been Replaced



EDGE SERVO FOR DISK DRIVE HEAD POSITIONER

Abstract of the Disclosure

A method for determining the position of a data transducer head within one data track of a rotating data storage disk within a disk drive includes the steps of:

providing at least one prerecorded servo sector within the data track, the servo sector including first occurring servo burst means having one longitudinal burst edge located substantially congruent with a centerline of the one track, and having another longitudinal burst edge located substantially congruent with a centerline of a second track adjacent to the one track, and second servo burst means having longitudinal burst edges substantially congruent with the track boundaries of the one track,

detecting the presence of the sector as it passes by the data transducer head,

sampling with the data transducer head and holding peak amplitude of the first servo burst,

sampling with the data transducer head and holding peak amplitude of the second servo burst,

comparing held first burst amplitude with a predetermined value to determine if the data transducer head has passed over a linear edge portion thereof, and if so, determining from the held first burst amplitude the position; and if not, determining from the held second burst amplitude the position of the data transducer head relative to the one track.

FIGURE 2.