

DETECTION OF INDEXED SERVO POSITIONS DISPLACED FROM
SERVO TRACK EDGES

ABSTRACT

There is disclosed a servo position detector and a method for detecting and following an index position displaced at an offset with respect to an edge of a servo track, an edge comprising and interface between two dissimilar recorded servo signals. A servo read element (20) has an active sensing region substantially the entire predetermined distance separating the edges of the servo track, thereby sensing (24) no more than two of the dissimilar recorded servo signals at one of the edges. An independent position sensor (460) senses the coarse position of the servo read element, indicating which edge or which index position is aligned with the servo read element. Logic (465) compares the two sensed servo signals to provide a servo position error with respect to the index position.

FIG 1