

INITIALIZTION AND CALIBRATION OF A RECORDING SYSTEM TRACK
FOLLOWING SERVO

ABSTRACT

A servo system and method are provided for initializing and calibrating a track following servo (24) for following an index servo position displaced laterally from an edge, the edge comprising the interface between two dissimilar servo signals. A servo head (20) is moveable laterally and a servo detector (28) determines a ratio related to the two dissimilar recorded servo signals, the ratio representing the lateral position of the servo head (20) with respect to the edge. The servo head (20) is nominally aligned at a lateral position at which the servo detector (28) provides a ratio representing the edge. The servo head (20) is repositioned laterally the predetermined displacement distance from the nominal alignment as determined by an independent position sensor (460). The repositioned ratio of the servo signals is measured at the displaced distance, comprising an index ratio for initializing and calibrating the track following servo (24).

FIG. 1