

**DATA RECORDING AND/OR REPRODUCING APPARATUS, AND DISC-SHAPED
RECORDING MEDIUM**

ABSTRACT OF THE DISCLOSURE

A data recording and/or reproducing apparatus is disclosed which scans a head over a disc on which a servo pattern for moving the head to a predetermined position is recorded in an arc forming a part of a concentric circle. The apparatus comprises a track No. detector and fine signal detector, for detection of the servo pattern, a circumferential position detector to detect a circumferential position on the disc, an offset calculator to calculate an offset of a current position on the disc from the detected circumferential position, and a positional difference calculator. The calculated offset of the current position is added to the positioning signal to control the head scanning orbit on the disc to be spiral.

Figure 5