A B S T R A C T

A METHOD OF AND APPARATUS FOR DETECTING POSITION ERROR OF A TRANSDUCER

A method of detecting position error of a transducer (14) in a data storage system (10), comprises: reading position information from a first quadrature field (PES2A) on a disk (16) in the data storage system (10); reading position information from a normal field (PES1) on the disk (16) to produce a normal position word, the first quadrature field (PES2A) being located on a first side of the normal field (PES1); reading position information from a second quadrature field (PES2B), the second quadrature field being located on a second side of the normal field (PES1); the second side being opposite the first side; and combining the position information from the first quadrature field (PES2A) with the position information from the second quadrature field (PES2B) to produce a total quadrature word, the total quadrature word and the normal position word representing the position error.

[Figures 6A and 6B]

This Sheet Has Been Replaced

