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- (71) Applicant: **SEAGATE TECHNOLOGY LLC** [—/US];
920 Disc Drive, Scotts Valley, CA 95067 (US).
- (72) Inventors: **BAUMANN, Todd, David**; 4616 Meining Road, Berthoud, CO 80513 (US). **TAN, EweChye**; 500 Lashley Street #57, Longmont, CO 80501 (US).
- (74) Agent: **DEMPSTER, Shawn, B.**; Seagate Technology LLC, 1280 Disc Drive, Shakopee, MN 55379-1863 (US).
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(54) Title: **METHOD AND APPARATUS TO ENCODE POSITION ERROR SIGNAL CORRECTION INFORMATION**

(57) Abstract: The present invention is a method of correcting radial position error signal (PES) values by utilizing predetermined error correction values located at predetermined locations in advance of their associated servo fields. Calculated correction values are written to zero-acceleration path (ZAP) fields on the disc during the manufacture process. ZAP fields are positioned before the servo fields whose PES they are designed to correct. The ZAP field is comprised of two or more correction data elements to correct subsequent PES values. As the read/write head flies along a track, it reads a ZAP field, and stores the PES correction data in local random access memory (RAM). Subsequently, the corresponding servo field is read and the stored PES correction data is used to correct the PES. Two types of ZAP fields are written on the disc - one type for read operations, another type for write operations. An arrangement of ZAP fields relative to servo and data track nulls allows for the read head to gather the ZAP field information in the write position, without having to move from the write position to the read position and back to the write position in the middle of a write operation.