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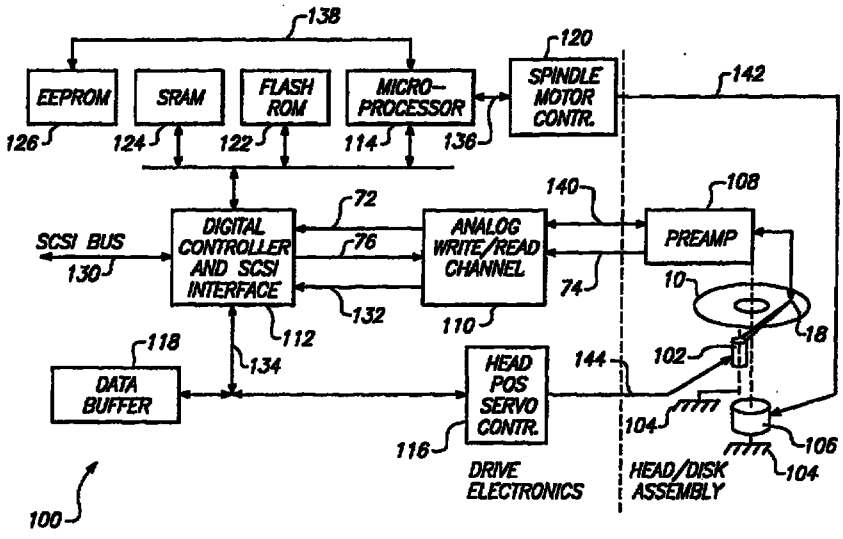
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(54) Title: METHOD FOR RECOVERING DATA FROM DISK WITH MAGNETO-RESISTIVE HEAD IN PRESENCE OF THERMAL ASPERITIES



(57) Abstract

A method and implementing apparatus for recovering data from a rotating data storage disk (10) in the presence of thermal asperities (TA) induced in a magnetoresistive transducer (18) comprises: electrically detecting a thermal asperity (TA) in a disk drive read channel (110), correlating the detected thermal asperity (TA) to a known format of the track (12), selecting at least one of a plurality of thermal asperity data recovery modes based upon the location of the thermal asperity (TA) in the formatted track (12) and applying the selected at least one of the plurality of available thermal asperity recovery modes to recover data otherwise rendered unavailable by the thermal asperity (TA).