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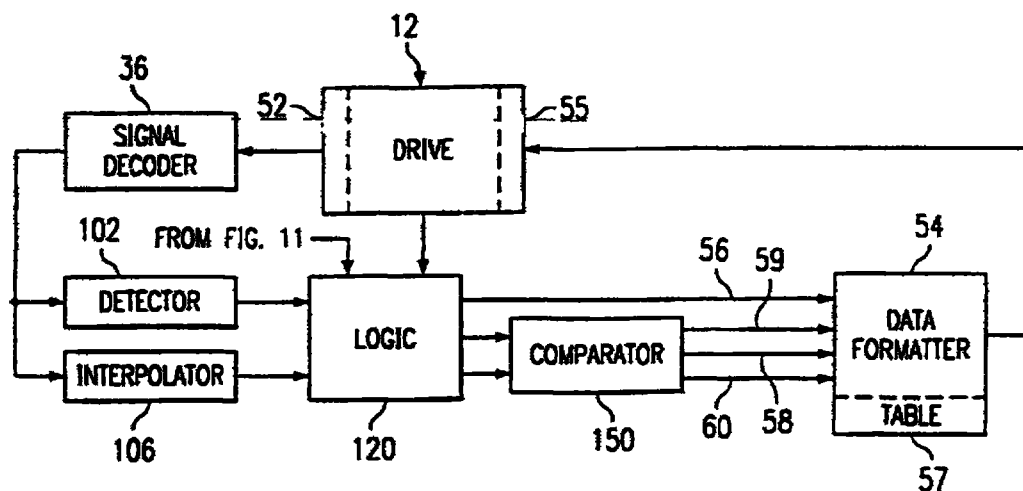
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(54) Title: DATA SET TO RECORDING MEDIA REGISTRATION AND SYNCHRONIZATION



(57) Abstract: A system and method for precisely registering and synchronizing data sets on a recording media having a prerecorded servo pattern. A detector (103) coupled to the servo system continuously reads linear position registration data modulated into the prerecorded servo pattern. An interpolator (106) interpolates the prerecorded registration data to provide precision registration information for the data sets. Upon the drive (12) stopping the recording media, then back hitching the media and the movement restarting, selected read and interpolated registration information is provided. The detector again reads and interpolates the prerecorded registration data, and a comparator (150) compares the again read and interpolated registration information to the provided read and interpolated registration information and any predetermined offset, and indicates a comparison match. A data formatter (54) coupled to the comparator, responsive to the comparison match indication, synchronizes the reading and/or writing of data sets on the recording media.



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