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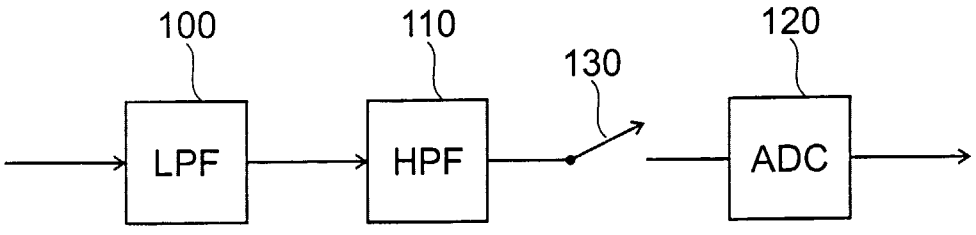
(54) Title: DATA DETECTION FOR LOCAL PROBE DATA STORAGE DEVICES



(57) Abstract: Apparatus for detecting data in a sensor signal generated by a read sensor in a local probe data storage device comprises a differentiation for subtracting a value of the sensor signal from the succeeding value of the sensor signal to generate a ternary difference signal ; and a convertor connected to the differentiator for converting the difference signal into a binary output signal indicative of the detected data. A local probe data storage device comprising such apparatus is also described.

WO 03/021592 A2