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Straw

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[54] DIFFERENTIAL CALIBRATION SIGNAL GENERATOR

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[57] ABSTRACT

[21] Appl. No.: 09/137,866

A calibration generator responds to a digital signal by generating a differential calibration signal with respect to a reference value established by a reference source. The calibration generator includes an input for receiving the digital signal and a differential output for transmitting the differential calibration signal. A voltage divider connects between voltage sources of opposite polarity and equal magnitude for generating a constant magnitude signal across one resistor in the voltage divider. A switch establishes alternate sets of paths from the voltage divider to the differential output. A control responds to the digital signal for controlling the switch thereby to alternate the paths from the voltage divider to the differential output and generate an alternating, fully differential, constant magnitude calibration signal.

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Related U.S. Application Data

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[51] Int. Cl.⁷ H03K 3/02

[52] U.S. Cl. 330/2; 327/171

[58] Field of Search 330/2, 252, 69; 327/165, 166, 171, 259

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10 Claims, 9 Drawing Sheets

