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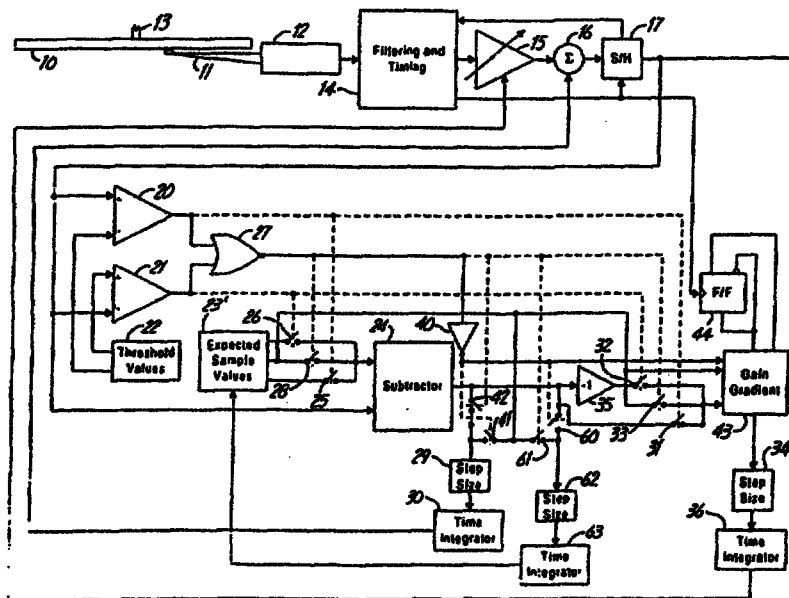
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(57) Abstract

A signal conditioning system for controlling characteristics of an analog signal obtained from magnetically stored data (10) through a data retrieval channel that asymmetrically affects analog signal magnitudes. Errors in samples (24) are segregated by association with intended sample values (23), and the different segregates are used in selected versions in control loops to control selected characteristics of the analog signal.