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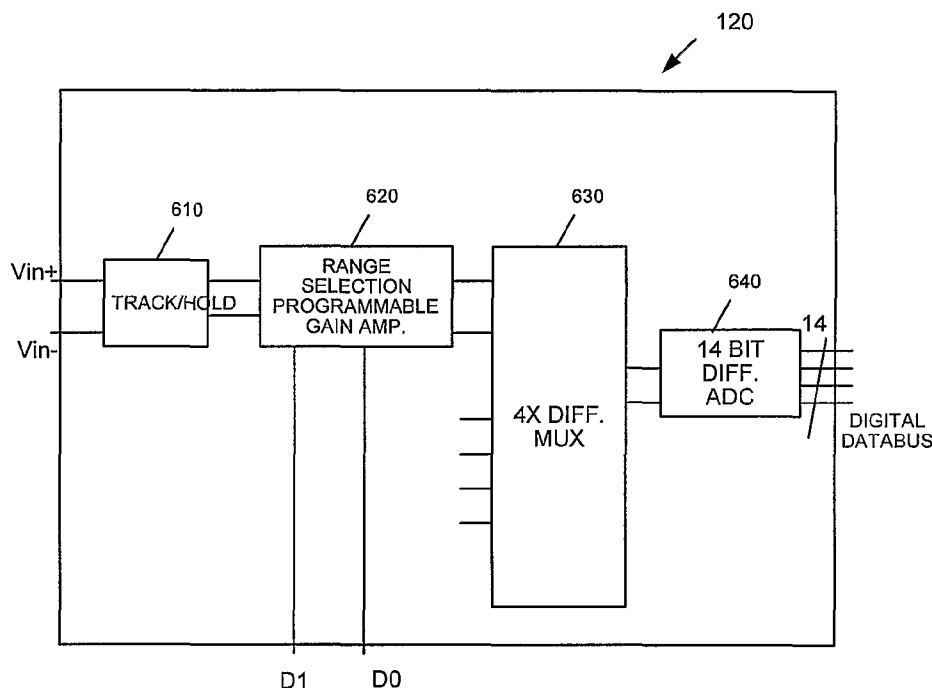
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(54) Title: UNIFIED ANALOG INPUT FRONT END APPARATUS AND METHOD



(57) Abstract: An analog input front end includes a configurable gain stage and an analog-to-digital converter. The configurable gain stage receives an analog input signal, such as a differential analog input signal, and provides a gain value to the analog input signal so as to output a gain-adjusted analog input signal that is within a particular voltage range between a maximum and a minimum value. The analog-to-digital converter receives the gain-adjusted analog input signal and performs analog-to-digital conversion on the gain-adjusted analog input signal, so as to output a digital signal that is indicative of the analog input signal.

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