

LOW POWER HIGH RESOLUTION SENSOR INTERFACE

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ABSTRACT

A sensor interface circuit is provided for resolving sensor signals from a plurality of sensors into a digital sensor signal, the sensor interface circuit comprising: a relaxation oscillator for receiving and pre-processing the sensor signals to generate an analog sensor signal, the relaxation oscillator comprising one or more dynamic circuits; and a monitoring module for receiving the analog sensor signal and generating the digital sensor signal in response thereto. There is also provided a sensor system front-end and a relaxation oscillator.

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FIG. 1