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(54) RECEIVER CIRCUIT WITH AUTOMATIC DC OFFSET CANCELLATION IN DISPLAY PORT APPLICATIONS

(71) Applicant: PARADE TECHNOLOGIES, LTD.,

San Jose, CA (US)

(72) Inventors: Hongquan Wang, Shanghai (CN);

Shengyuan Zhang, Shanghai (CN); Qing Chen, Nanjing (CN); Liang Xu, Shanghai (CN); Kochung Lee, San

Jose, CA (US)

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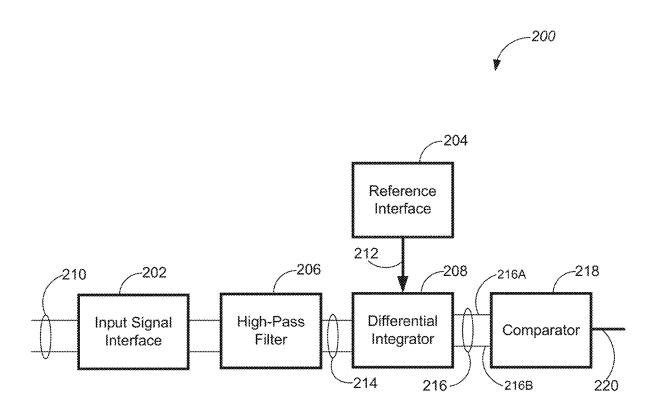
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2370/00 (2013.01) ABSTRACT

This application is directed to a data interface having an input interface for receiving a differential input signal and a reference interface for providing a predefined reference voltage. A high pass filter is coupled to the input interface, and configured to filter the differential input signal and generate a filtered differential input signal. A differential integrator is coupled to the high pass filter and reference interface, and configured to receive the filtered differential input signal and generate a differential output signal including a first output signal and a second output signal. Each of the first and second output signals has a common mode output voltage substantially equal to the predefined reference voltage. In some embodiments, the data interface includes a connector including a plurality of data lanes and a pair of command pins that are distinct from the data lanes and coupled to the input interface.



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