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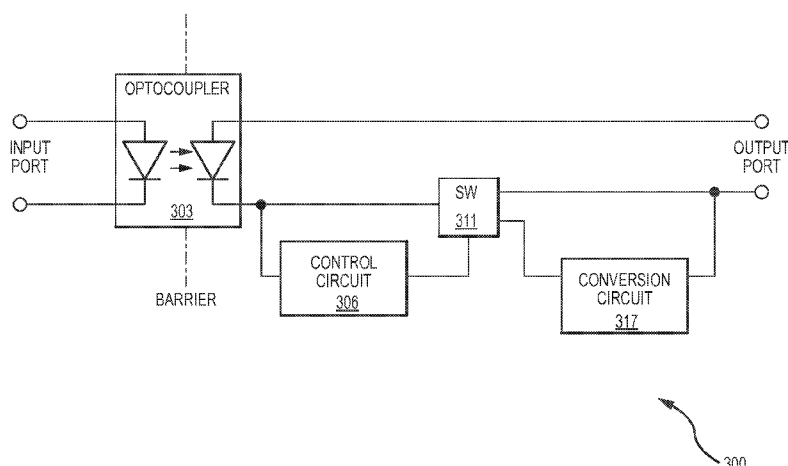


FIG. 3

(57) Abstract: An opto-isolation circuit (300) is provided, including an optocoupler (303) configured to optically transfer a raw output signal, a conversion circuit (317) coupled to an optocoupler output and configured to convert the raw output signal into a predetermined converted signal, and a control circuit (306) coupled to the optocoupler output. The control circuit (306) is configured to generate an autonomous control signal from the raw output signal after the raw output signal passes through the optocoupler (303), wherein the autonomous control signal is generated only if the raw output signal exceeds a predetermined conversion threshold, and control the conversion circuit (317) and convert the raw output signal into the predetermined converted signal if the autonomous control signal is generated by the control circuit (306) and output the raw output signal to an output port if the autonomous control signal is not generated by the control circuit (306).