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(54) Title: TEMPERATURE SENSING FOR A MICRO-LED ARRAY

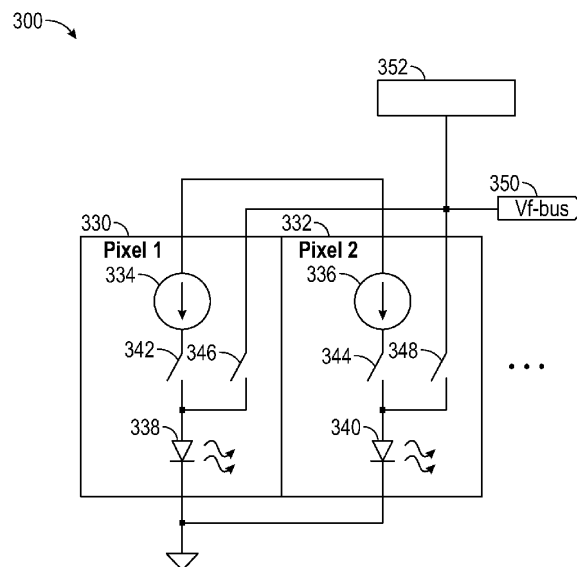


FIG. 3

(57) Abstract: A temperature monitor and control system for a pixel array includes a first driver connected to a first pixel connected to a bus by a first switch, a second driver connected to a second pixel connected to a bus by a second switch, and a control block including connection to the first and second switches. The control block turns on the first switch and turns off the second switch, measures bus voltage, determines an LED forward voltage shift of the first pixel and corresponding temperature shift for the first pixel based on the determined forward voltage shift, and adjusts a driving current for first pixel based on the determined temperature shift.

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