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(54) **Title:** SINGLE-STAGE MULTI-STRING LED DRIVER WITH DIMMING

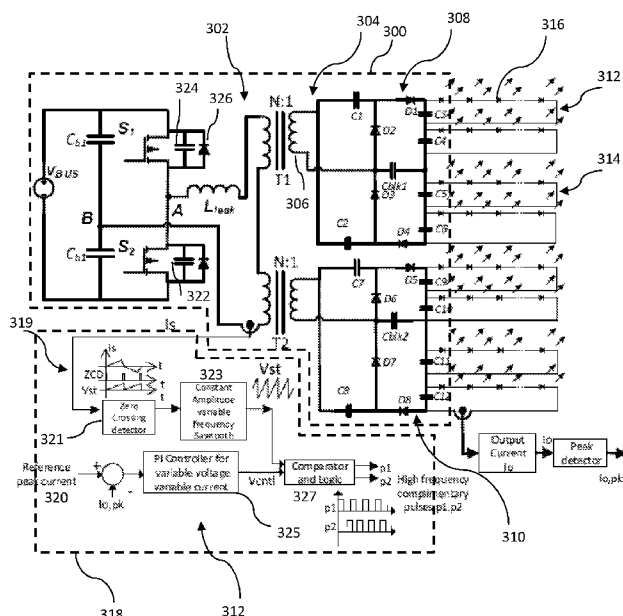


Figure 3

(57) **Abstract:** A driver circuit for light emitting diodes (LEDs) and a driving method for LEDs. The driver circuit comprises a single stage DC-DC converter with multiple output channels, the converter comprising one set of switches on a primary side of the converter, a rectifier and voltage multiplier component at the secondary side; and a dimming control component configured to control the respective switches on the primary side of the converter for controlling an output current in the multiple output channels.



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