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(54) Title: LIGHTING CIRCUITRY OF VEHICLE

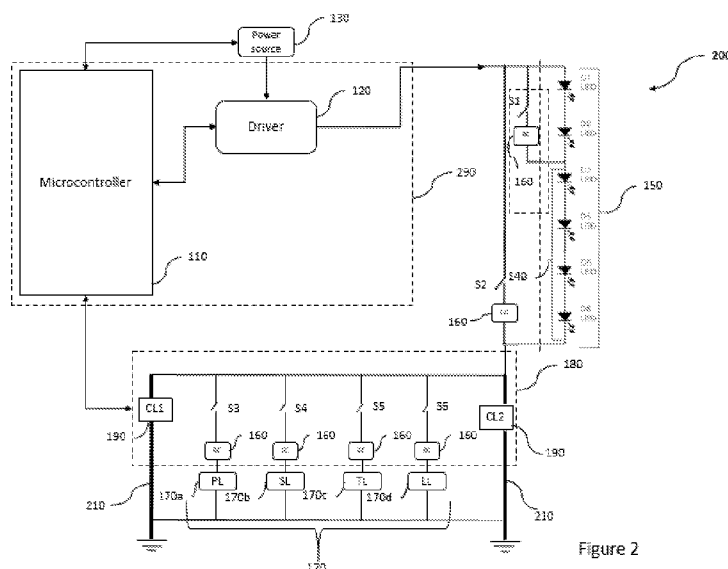


Figure 2

(57) Abstract: A lighting circuitry (200) of a vehicle (100), comprising: a microcontroller (110), a plurality of lighting loads (140, 150, 170) electrically coupled to the microcontroller (110) and operated through a plurality of the switches (S1, S2, S3, S4, S5, S6), a driver (120) configured to deliver constant current to the plurality of lighting loads (140, 150, 170), a detection module (160) to detect status of at least one of the plurality of lighting loads (140, 150, 170) and configured to communicate status of the at least one of the plurality of lighting loads (140, 150, 170) to the microcontroller (110); and at least one electric limiting path (210) electrically closes, wherein the microcontroller (110) configured to electrically close the at least one electric limiting path (210), when the detection module (160) communicates to the microcontroller (110) status of the at least one of the plurality of lighting loads (140, 150, 170) as electrically open.

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