



US 20220377863A1

(19) **United States**(12) **Patent Application Publication**
BASTIEN(10) **Pub. No.: US 2022/0377863 A1**(43) **Pub. Date: Nov. 24, 2022**(54) **MOTOR VEHICLE AUXILIARY LIGHTING
CONTROL SYSTEMS AND METHODS**(52) **U.S. Cl.**CPC **H05B 45/50** (2020.01); **H05B 45/325**
(2020.01); **H05B 45/20** (2020.01)(71) Applicant: **Denali Electronics LLC**, East
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(57)

ABSTRACT(72) Inventor: **Nathan BASTIEN**, Exeter, RI (US)(21) Appl. No.: **17/748,597**(22) Filed: **May 19, 2022****Related U.S. Application Data**(60) Provisional application No. 63/201,923, filed on May
19, 2021.**Publication Classification**(51) **Int. Cl.****H05B 45/50** (2006.01)**H05B 45/325** (2006.01)**H05B 45/20** (2006.01)

A vehicle lighting system includes a rotatable, depressible, rotary dimmer switch with a light emitting diode ring indicator and a vehicle lighting controller. The vehicle lighting controller controls the operation of at least a first lighting circuit and a second lighting circuit. A digital input from the rotary dimmer switch places the controller in a first configuration mode or a second configuration mode. The digital input from the rotary dimmer also switches between apply configuring the first lighting circuit or the second lighting circuit. The LED illuminates in a first color for the first circuit and a second color for the second circuit. The rotary dimmer adjusts the operating parameter and/or the overcurrent protection associated with the first lighting circuit and the second lighting circuit.

