

Title (en)
DIM-TO-WARM LED CIRCUIT

Title (de)
DIM-TO-WARM-LED-SCHALTUNG

Title (fr)
CIRCUIT À DEL À RÉGLAGE D'ÉCLAIRAGE SUR TON CHAUD

Publication
EP 3991521 A1 20220504 (EN)

Application
EP 20739814 A 20200623

Priority
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Abstract (en)
[origin: WO2020263826A1] Various embodiments include apparatuses and methods enabling a dim-to-warm circuit operation of an LED multi-colored array. In one example, an apparatus includes a hybrid driving-circuit coupled to the LED array and to a single control- device to receive an indication of a luminous flux desired from the LED array. A color temperature for the LED array is determined based on the desired luminous flux of the LED array. In various embodiments, the hybrid driving-circuit includes an analog current - division circuit to produce current for at least two LED current -driving sources and a multiplexer array coupled between the analog current - division circuit and the LED to provide periodically, for a predetermined amount of time, current from at least one of the at least two LED current-driving sources to at least two colors of the LED array. Other apparatuses and methods are described.

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