Title (en)

DEVICE AND METHOD FOR DYNAMIC OVERLOAD LIMITATION IN COLOR- TEMPERATURE-DIMMABLE MULTICHANNEL LED SYSTEMS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR DYNAMISCHEN ÜBERLASTBEGRENZUNG BEI FARBTEMPERATURDIMMBAREN MEHRKANAL-LED-SYSTEMEN

Title (fr)

DISPOSITIF ET PROCÉDÉ SERVANT À LIMITER DE MANIÈRE DYNAMIQUE LA SURCHARGE POUR DES SYSTÈMES À DEL MULTICANAUX À TEMPÉRATURE DE COULEUR VARIABLE

Publication

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Application

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Abstract (en)

[origin: WO2019057535A1] The invention relates to a multichannel LED system comprising a driver unit (8), (9A), (9B) designed for supplying at least two LED output channels (16A), (16B) independently of one another with a voltage (U_K1),(U_K2) or current (I_K1),(I_K2) controlled to a setpoint value, wherein the driver unit (8), (9A), (9B) is furthermore designed to limit the maximum power of each LED output channel (16A), (16B), firstly, and the total power of all the LED output channels (16A), (16B), secondly, to predefined values, and wherein the driver unit (8), (9A), (9B) is configured to reduce the setpoint value of an LED output channel (16B) if the power (P_K2) thereof is greater than the maximum permissible total power (P_System) minus the power of the further LED output channel(s) (P_K1).

IPC 8 full level

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