Title (en)
ELECTRONIC CIRCUIT FOR DRIVING A STRING OF LIGHT-EMITTING DIODES

Title (de)
ELEKTRONISCHE SCHALTUNG ZUM ANTRIEB EINES LEUCHTDIODENSTRANGS

Title (fr)
CIRCUIT ÉLECTRONIQUE POUR PILOTER UNE CHAÎNE DE DIODES ÉLECTROLUMINESCENTES

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Application
EP 18717700 A 20180323

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• IB 2018051963 W 20180323

Abstract (en)
[origin: WO2018172980A1] It is disclosed an electronic circuit (1) for driving a string of light-emitting diodes (5). The circuit comprises a current regulator (4) comprising an input terminal configured to receive a rectified alternating voltage (VRTF) and comprising a plurality of input terminals (It1, It2, It3, It4) connected to respective different voltages selected from the string of light-emitting diodes, the current regulator being configured to regulate the value of the current flowing through the string of light-emitting diodes. The electronic driving circuit further comprises an electronic switch (6) configured to switch between a closed and an open position, as a function of the value of a control signal (Vg). The electronic driving circuit further comprises a bias stage (8) comprising an input terminal configured to receive a voltage selected from a voltage internal to the string of light-emitting diodes and comprising an output terminal configured to generate, as a function of the selected voltage, said control signal controlling the electronic switch. The electronic driving circuit comprises, finally, a capacitor (7) interposed between the electronic switch and the string of light-emitting diodes.

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