Title (en)

CONTROL AND/OR REGULATING MEANS, CIRCUIT ASSEMBLY, AND METHOD FOR REDUCING THE CURRENT MAXIMUM IN A LIGHT-EMITTING DIODE FIELD

Title (de)

STEUER- UND/ODER REGELUNGSMITTEL, SCHALTUNGSANORDNUNG UND VERFAHREN ZUR REDUZIERUNG DES STROMMAXIMUMS IN EINEM LEUCHTDIODENFELD

Title (fr)

MOYENS DE COMMANDE ET/OU DE RÉGULATION, CIRCUIT ET PROCÉDÉ POUR LA RÉDUCTION DU COURANT MAXIMUM DANS UN RÉSEAU DE DIODES ÉLECTROLUMINESCENTES

Publication

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Application

EP 20706214 A 20200218

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Abstract (en)

[origin: WO2020182428A1] The invention relates to a control and/or regulating means for controlling and/or regulating a light-emitting diode field with n LEDs, where n>2, comprising outputs at which control and/or regulating signals can be tapped in order to control and/or regulate controllable switching elements, wherein switch-on times and/or switch-off times (I) of pulses can be defined by the control and/or regulating means using the control signals and/or regulating signals, one and/or more controllable switching elements (4) can be actuated during the ascertained pulse for an opening or closing process, a number of k groups can be defined, and each LED is assigned to one of the k groups such that each of the k groups j· contains light-emitting diodes, where 1 ≤ j ≤ k; and (II) a reference time α j = α1...α k can be determined for each group and the switch-on and the switch-off time (I) of the pulse for each LED of each group can be ascertained on the basis of the reference time α j = α1...α k , where 1 ≤ p j ≤ m j .

IPC 8 full level

H05B 45/10 (2020.01); **H05B 45/32** (2020.01); **H05B 47/155** (2020.01)

CPC (source: EP US)

H05B 45/10 (2020.01 - EP); **H05B 45/32** (2020.01 - EP); **H05B 45/325** (2020.01 - US); **H05B 47/155** (2020.01 - EP)

Citation (search report)

See references of WO 2020182428A1

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