Title (en)

SYSTEM AND METHOD FOR CONTROLLING LEDS

Title (de)

SYSTEME UND VERFAHREN ZUR LED-STEUERUNG

Title (fr)

SYSTÈME ET PROCÉDÉ POUR COMMANDER DES LED

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Application

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Abstract (en)

[origin: WO2009121539A1] The present invention generally relates to the generation of a light color by mixing a plurality of light emitting diodes (LEDs). More particularly, the invention is directed to the generation of a desired color and to the control of LEDs in order to obtain the desired color by mixing the light produced by the respective LEDs. It is proposed a method for controlling a plurality of at least four light emitting diodes or LEDs for generating a desired light or color, comprising applying (5) a pseudo- inverse matrix (M-1) to the coordinate values (Xref, Yref, Zref) of the desired light, said coordinate values (Xref, Yref, Zref) being expressed in a color space, wherein the pseudo-inverse matrix (M-1) is the pseudo-inverse of a gain matrix (M) reflecting the influence of each LED on said color space.

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