

Title (en)

LIGHT-EMITTING DEVICE AND METHOD FOR ADJUSTING THE EMISSION OF SAID DEVICE

Title (de)

LICHEMITTIERENDE VORRICHTUNG UND VERFAHREN ZUR EINSTELLUNG DER EMISSION DIESER VORRICHTUNG

Title (fr)

DISPOSITIF EMISSIF LUMINEUX ET PROCEDE D'AJUSTEMENT DE SON EMISSION

Publication

EP 3061136 A1 20160831 (FR)

Application

EP 14790568 A 20141024

Priority

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- EP 2014072898 W 20141024

Abstract (en)

[origin: WO2015059294A1] The invention relates to a light-emitting device (100) comprising: a light-emitting diode (102) having an emitting layer comprising a ternary or quaternary semiconductor including a chemical element from column 13 of the periodic table of elements, from among Al, Ga and In, and having an atomic composition that varies over the thickness of the emitting layer, and/or at least two emitting layers each comprising such a semiconductor, the atomic compositions of the element being different from one layer to another; a device (108) for detecting a wavelength and intensity of a light emitted by the diode; a switched-mode electric power supply (110) which can supply the diode with a periodic signal having a duty factor α ; a device (111) for controlling the switched-mode electric power supply, which can alter α and a peak value of the periodic signal according to detected values and target values.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2015059294A1

Citation (examination)

US 2013087761 A1 20130411 - KIMURA SHIGEYA [JP], et al

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