

Title (en)

LED LIGHTING SYSTEM, APPARATUS AND DIMMING METHOD

Title (de)

LED-BELEUCHTUNGSSYSTEM, VORRICHTUNG UND DIMMVERFAHREN

Title (fr)

SYSTÈME ET APPAREIL D'ÉCLAIRAGE À DIODES ÉLECTROLUMINESCENTES, ET PROCÉDÉ DE GRADATION

Publication

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Application

EP 19837611 A 20190710

Priority

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- CN 2019095421 W 20190710

Abstract (en)

[origin: WO2020015566A1] LED lighting systems, an LED lighting apparatus, and LED dimming method are provided. The LED lighting system includes a rectifying circuit, a filtering circuit, a driving circuit, an LED module, and a demodulating circuit. The demodulating circuit is coupled to the first and second connection terminals, and is configured to obtain a signal feature of the input power signal and then demodulate the signal feature in order to obtain a corresponding dimming message. The demodulating circuit is configured to generate a dimming control signal according to the obtained dimming message and then provide the dimming control signal for the driving circuit, and the driving circuit is configured to adjust its operation of power conversion according to the received dimming control signal, in order to change/adjust the magnitude of the driving power signal in response to the dimming message. The signal feature is a phase-cut angle of the input power signal, and wherein the phase-cut angle is not larger than 90 degrees when the LED module lighting up with a minimum luminance.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

[X] US 2009160369 A1 20090625 - GODBOLE KEDAR [US], et al

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