

Title (en)

APPARATUS FOR CONTROLLING BRIGHTNESS OF LED LAMP

Title (de)

VORRICHTUNG ZUR STEUERUNG DER HELLIGKEIT EINER LED-LAMPE

Title (fr)

APPAREIL DE COMMANDE DE LA LUMINOSITÉ D'UNE LAMPE À DEL

Publication

**EP 3621413 B1 20210602 (EN)**

Application

**EP 19194055 A 20190828**

Priority

TW 107131350 A 20180906

Abstract (en)

[origin: EP3621413A1] The present disclosure relates to an apparatus for controlling brightness of a LED lamp. The apparatus includes: a sensing switch and at least one LED control device. A transimpedance amplification unit converts a current signal into a voltage signal, and converts the voltage signal into a square wave signal in cooperation with a Schmidt circuit, such that the sensing switch can be connected to multiple LED control devices via a single wire, thereby controlling multiple LED lamps simultaneously. The sensing switch is independently disposed at a position to be sensed, therefore only a single wire is required to be disposed between the sensing switch and the LED control devices such that wiring is more easily implemented for the multiple LED control devices connected in parallel, and the number of the wires used is also greatly reduced, thereby simplifying the wiring between the sensing switch and the LED control devices and reducing a manufacture cost.

IPC 8 full level

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CPC (source: EP)

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