

Title (en)

LED DRIVE CIRCUIT, LED DRIVE DEVICE AND LAMP

Title (de)

LED-TREIBERSCHALTUNG, LED-TREIBERVORRICHTUNG UND LAMPE

Title (fr)

CIRCUIT DE COMMANDE DE DEL, DISPOSITIF DE COMMANDE DE DEL ET LAMPE

Publication

EP 3879934 B1 20240103 (EN)

Application

EP 21155270 A 20210204

Priority

CN 202020292232 U 20200311

Abstract (en)

[origin: EP3879934A1] The present application relates to the technical field of LED driving, and provides an LED drive circuit, an LED drive device and a lamp. The AC voltage is converted into a DC voltage through a rectifier circuit, and a constant current drive module is provided to receive a drive control signal and the DC voltage, and generate a constant current drive signal based on the drive control signal and the DC voltage, a switch control module is provided to generate a switch control signal according to the constant current drive signal to control On or Off of the switch module, so that a leakage current of the capacitor loop formed by the capacitor module is reduced, thereby solving the problem of afterglow effect of the light source module caused by the current leakage in the current LED drive circuit during a standby state.

IPC 8 full level

H05B 45/30 (2020.01); **H05B 45/50** (2022.01)

CPC (source: EP US)

H05B 45/30 (2020.01 - EP); **H05B 45/59** (2022.01 - EP US); **H05B 45/385** (2020.01 - EP)

Citation (examination)

- CN 110213856 A 20190906 - SILERGY SEMICONDUCTOR TECHNOLOGY HANGZHOU LTD
- KR 101768179 B1 20170816 - TAE SEOK PREC & IND CO LTD [KR]

Cited by

CN114364097A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3879934 A1 20210915; **EP 3879934 B1 20240103**; CN 211930917 U 20201113

DOCDB simple family (application)

EP 21155270 A 20210204; CN 202020292232 U 20200311