

Title (en)

LED CIRCUIT AND DRIVING METHOD THEREOF

Title (de)

LED-SCHALTUNG UND ANSTEUERUNGSVERFAHREN DAFÜR

Title (fr)

CIRCUIT À DEL ET PROCÉDÉ DE COMMANDE DE CELUI-CI

Publication

EP 2938162 A3 20151104 (EN)

Application

EP 15164238 A 20150420

Priority

- TW 103207113 U 20140424
- TW 103208747 U 20140520

Abstract (en)

[origin: EP2938162A2] An LED circuit (2, 3) includes a plurality of (22, 32) LED devices (U0, U1,..., UN), a power supply circuit (21) and a signal control circuit (23, 33). Each of the plurality of (22, 32) LED devices (U0, U1,..., UN) includes an LED unit (U0L, U1L, ... , UNL) and an integrated circuit unit (U0I, U1I,..., UNI) having a specific serial number (0, 1,..., N). The signal control circuit (23, 33) is coupled between the power supply circuit (21) and the plurality of LED devices (22, 32), and transmitting an electric parameter carrying a signal code (ENC1) to each of the integrated circuit units (U0I, U1I,..., UNI), wherein a specific LED unit (U0L, U1L,..., UNL) is driven by a corresponding integrated circuit unit (U0I, U1I,..., UNI) when the signal code (ENC1) corresponds to the specific serial number (0, 1,..., N) of the corresponding integrated circuit unit (U0I, U1I,..., UNI).

IPC 8 full level

H05B 44/00 (2022.01)

CPC (source: EP)

H05B 45/44 (2020.01)

Citation (search report)

- [XAYI] US 2007145915 A1 20070628 - ROBERGE BRIAN [US], et al
- [XAYI] US 2009289578 A1 20091126 - PENG WEN-CHI [TW]
- [Y] WO 2008060469 A2 20080522 - PHILIPS SOLID STATE LIGHTING [US], et al
- [Y] US 2013088170 A1 20130411 - LU YUNG-CHEN [TW]

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2938162 A2 20151028; EP 2938162 A3 20151104; EP 2938162 B1 20180103

DOCDB simple family (application)

EP 15164238 A 20150420