

Title (en)

LIGHT SOURCE DRIVER CIRCUIT AND METHOD OF DRIVING A STRING OF LIGHT SOURCES

Title (de)

LICHTQUEELLENTREIBERSCHALTUNG UND VERFAHREN ZUR ANSTEUERUNG EINER REIHE VON LICHTQUELLEN

Title (fr)

CIRCUIT D'ATTAQUE DE SOURCE DE LUMIÈRE ET PROCÉDÉ DE COMMANDE D'UNE CHAÎNE DE SOURCES DE LUMIÈRE

Publication

EP 3401897 A1 20181114 (EN)

Application

EP 17170497 A 20170510

Priority

EP 17170497 A 20170510

Abstract (en)

A light source driver circuit (1) has a driver integrated circuit (4), which provides a drive voltage for driving a string (2) of light sources (3). One end of the string (2) is connected to a power supply. The light source driver circuit (1) has a transistor (6) having a drain, a source and a gate. The drain-source path of the transistor (6) is connected between the other end of the string (2) and the driver integrated circuit (4) and receives a drive voltage from the driver integrated circuit (4). A voltage regulator (10) controls the voltage applied as the gate-source voltage of the transistor (6) so that the transistor (6) operates in the linear region.

IPC 8 full level

G09G 3/34 (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP)

H05B 45/46 (2020.01); **G09G 3/3426** (2013.01); **G09G 2330/045** (2013.01)

Citation (search report)

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- [I] WO 2011021850 A2 20110224 - LG INNOTEK CO LTD [KR], et al
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- [A] US 2010045194 A1 20100225 - PEKER ARKADIY [US], et al

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CN113223444A

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)

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DOCDB simple family (application)

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