

Title (en)

AN LED DRIVER METHOD FOR TRAFFIC LANTERNS

Title (de)

LED-TREIBERVERFAHREN FÜR VERKEHRSLATERNEN

Title (fr)

PROCÉDÉ DE COMMANDE DE DEL POUR LANTERNES DE CIRCULATION

Publication

EP 2229667 A1 20100922 (EN)

Application

EP 08856603 A 20081203

Priority

- AU 2008001778 W 20081203
- AU 2007906653 A 20071203

Abstract (en)

[origin: WO2009070828A1] An LED driver for a traffic lantern has a current mirror (14) adapted to control the current through an LED (18) of the lantern, and a fault detector (20) connected to an output (16) of the current mirror (14) and the LED (18). The fault detector (20) is adapted to indicate a fault condition if the voltage measured is outside a predetermined range. The LED driver also has a voltage sensor (26) adapted to provide an output voltage (30) proportional to the average voltage of other LED drivers for the lantern which are not connected to faulty LEDs.

IPC 8 full level

G08G 1/095 (2006.01); **H05B 37/03** (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP US)

H05B 45/58 (2020.01 - EP US); **H05B 47/24** (2020.01 - EP US)

Citation (search report)

See references of WO 2009070828A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009070828 A1 20090611; **WO 2009070828 A9 20101125**; AU 2008331420 A1 20090611; AU 2008331420 B2 20131024; CN 101896951 A 20101124; EP 2229667 A1 20100922; NZ 586130 A 20131025; ZA 201004263 B 20110428

DOCDB simple family (application)

AU 2008001778 W 20081203; AU 2008331420 A 20081203; CN 200880118936 A 20081203; EP 08856603 A 20081203; NZ 58613008 A 20081203; ZA 201004263 A 20100615