

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3952518

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TOM O'NEIL	01/06/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EPTRONICS, INC.
<b>Street Address:</b>	5230 PACIFIC CONCOURSE DR.
<b>City:</b>	LOS ANGELES
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	90045
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13345498
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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<b>NAME OF SUBMITTER:</b>	CLEMENT CHENG
<b>SIGNATURE:</b>	/clemcheng/
<b>DATE SIGNED:</b>	07/07/2016
<b>Total Attachments: 1</b>	
source=Assignment for Supplemental Dimming Circuit#page1.tif	

## ASSIGNMENT

WHEREAS, I, Tom O'Neil (Inventor), having assigned, by employment and other applicable lawful contractual agreements, all inventions and now hereby specifies the following inventions:

A supplemental dimming circuit for an electronic led driver comprising a universal control section has a VCC3 startup and low conduction period circuit for providing a current during start-up and during low conduction periods; a CC hold current circuit for providing a hold current for the dimmer at low conduction periods; a latch circuit for providing a current draw latch on; and a PWM synchronized dimming circuit for providing a PWM signal dependent on the conduction period of the dimmer in real time. The supplemental dimming circuit also has a socket and a plug. The universal control section is on a daughter board that is pluggable to the socket. The VCC3 startup and low conduction period circuit creates a low AC voltage dummy load, which is a resistive load. The CC hold current circuit creates a low AC current dummy load that is a constant current load.

WHEREAS, Eptronics, Inc. (Assignee), having an address at 5230 Pacific Concourse Dr, Los Angeles, CA 90045, desires to acquire an interest therein;

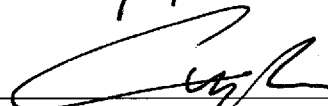
NOW, THEREFORE, in consideration, the receipt of which is hereby acknowledged, I, hereby sell, assign and transfer to ASSIGNEE, the full and exclusive right, title and interest in and to said invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute international applications, under the Patent Cooperation Treaty or otherwise, and the right to file and prosecute applications under the European Patent Convention; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by ASSIGNEE, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by me had this assignment and sale not been made, and covenant that I have full right so to do, and agree that I will communicate to ASSIGNEE, or its successors and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid ASSIGNEE, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

Executed at the place and date under my signatures below.

X:   
Executed by Owner, Los Angeles, CA

Owner Name: Thomas O' Neil

Date: 1/6/2012

X:   
Executed for and on behalf of Eptronics, Inc.  
Los Angeles, CA

Assignee name: Eptronics, Inc.

Date: 1/6/2012