

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Christopher P. Schaffer	10/03/2011
Alan Lindner	10/03/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Pulse Electronics, Inc.
<b>Street Address:</b>	12220 World Trade Drive
<b>Internal Address:</b>	Suite 201
<b>City:</b>	San Diego
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92128
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13185312
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(858)675-1674
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Correspondent Name:</b>	Gazdzinski & Associates, PC
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<b>ATTORNEY DOCKET NUMBER:</b>	PENG.734C1
<b>NAME OF SUBMITTER:</b>	Robert F. Gazdzinski
<b>Total Attachments: 2</b> source=PENG_734C1_Assignment#page1.tif source=PENG_734C1_Assignment#page2.tif	

**CH \$40.00 13185312**

## ASSIGNMENT

WHEREAS, We, **CHRISTOPHER P. SCHAFFER**, a United States Citizen, residing at 3103 Alta Verde Drive, Fallbrook, CA 92028, United States; and **ALAN LINDNER**, a United States Citizen, residing at 3226 Cobb Place, San Diego, CA 92117, United States; have invented certain new and useful improvements in **SUBSTRATE INDUCTIVE DEVICES AND METHODS** for which we have filed an application for Letters Patent on July 18, 2011 in the United States, Application Serial No. 13/185,312; which claims priority to U.S. Patent Application Serial No. 12/503,682 filed July 15, 2009; and U.S. Provisional Patent Application Serial No. 61/135,243 filed July 17, 2008.

AND WHEREAS, PULSE ELECTRONICS, INC. (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 12220 World Trade Drive, San Diego, CA 92128, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

ASSIGNMENT

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 3 day of October 2011.

Christopher P. Schaffer  
CHRISTOPHER P. SCHÄFFER

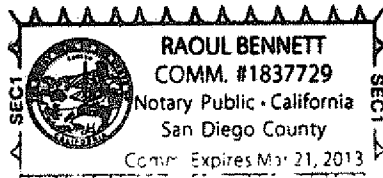
STATE OF California  
COUNTY OF San Diego ] ss.

On Oct. 3, 2011 before me, Raoul Bennett Notary Public, (here insert name and title of the officer), personally appeared Christopher Schaffer, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(Seal)



Signature Raoul Bennett

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 3 day of October 2011.

Alan Lindner  
ALAN LINDNER

STATE OF California  
COUNTY OF San Diego ] ss.

On Oct 3, 2011 before me, Raoul Bennett Notary Public (here insert name and title of the officer), personally appeared Alan Lindner, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(Seal)



Signature Raoul Bennett