

# **RECORDATION FORM COVER SHEET PATENTS ONLY**

**CLIENT CODE:** PENG.734A


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<b>Submission Type</b>  <input checked="" type="checkbox"/> New  <input type="checkbox"/> Resubmission (Non-Recordation)-Document ID# _____  <input type="checkbox"/> Correction of PTO Error - Reel # _____ Frame # _____  <input type="checkbox"/> Corrective Document - Reel # _____ Frame # _____	<b>Conveyance Type</b>  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:  Execution Date: <u>8/12/09; 8/13/09; 8/19/09</u>
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<b>Conveying Party(ies)</b>  CHRISTOPHER P. SCHAFER (Exc. Date: 8/12/09) AURELIO J. GUTIERREZ (Exc. Date: 8/13/09) ALAN LINDNER (Exc. Date: 8/19/09)  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Receiving Party(ies)</b>  Name: Pulse Engineering, Inc. Address: 12220 World Trade Drive San Diego, CA 92128  Additional name(s) of receiving party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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<b>Application Number(s) or Patent Number(s)</b>  <input type="checkbox"/> Application filed herewith <input checked="" type="checkbox"/> Patent Application No(s): 12/503,682 <input type="checkbox"/> Patent No(s):  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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<b>Correspondent Name and Address</b>  Name: Robert F. Gazdzinski, Esq. Internal Address: GAZDZINSKI & ASSOCIATES, PC Street Address: 11440 West Bernardo Court, Suite 375 City: San Diego State: CA ZIP: 92127 Telephone: (858) 675-1670	<b>Fee Amount (37 CFR 3.41):</b> \$40.00  <input checked="" type="checkbox"/> Please charge our Deposit Account No. 501423 for any required fees.
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<b>Number of Properties</b> Enter the total number of properties involved: (1)
<b>Statement and signature</b>  To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.  <div style="display: flex; justify-content: space-between;"> <div> <u>Robert F. Gazdzinski</u>            Name of Person Signing         </div> <div style="text-align: center;">             Robert F. Gazdzinski; Reg. No. 39,990         </div> <div> <u>September 15, 2009</u>            Date         </div> </div>
<b>Pages</b> Enter the total number of pages of the conveyance document including any attachments: (3)
Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  <div style="text-align: center;">           Mail Stop Assignment Recordation Services            Director of the USPTO            P.O. Box 1450            Alexandria, VA 22313-1450         </div>

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**PATENT  
REEL: 023237 FRAME: 0159**

**PATENT**

Docket: PENG.734A

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Application No.: 12/503,682  
Filing Date: July 15, 2009

**ASSIGNMENT**

WHEREAS, We, **CHRISTOPHER P. SCHAFER**, a United States Citizen, residing at 3103 Alta Verde Drive, Fallbrook, CA 92028, United States; **AURELIO J. GUTIERREZ**, a United States Citizen, residing at 5420 Robinwood Street, Bonita, CA 91902, United States; and **ALAN LINDNER**, a United States Citizen, residing at 5226 COBB PLACE, SAN DIEGO, CA 92117, United States have invented certain new and useful improvements in a **SUBSTRATE INDUCTIVE DEVICES AND METHODS** for which we have filed an application for Letters Patent on July 15, 2009 in the United States, Application Serial No. 12/503,682, which claims priority to U.S. Provisional Patent Application Serial No. 61/135,243 filed July 17, 2008.

AND WHEREAS, **PULSE ENGINEERING, 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.

**PATENT****REEL: 023237 FRAME: 0160**

Application No.: 12/495,653  
Filing Date: June 30, 2009

PATENT  
Docket: PENG.731A  
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## ASSIGNMENT

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 12 day of August 2009.

  
CHRISTOPHER P. SCHAFFER

STATE OF California  
COUNTY OF San Diego } ss.

On Aug 12 09 before me, Raoul Bennett, (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.

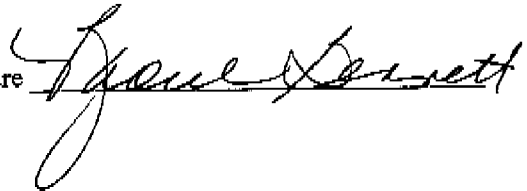
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(Seal)



Signature



IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 13 day of August 2009.

AURELIO J. GUTIERREZ

STATE OF California  
COUNTY OF San Diego } ss.

On Aug 13 2009 before me, Raoul Bennett, (here insert name and title of the officer), personally appeared Aurelio Gutierrez, 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.

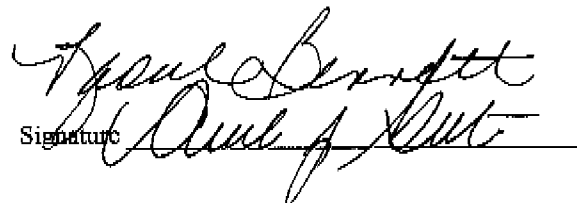
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(Seal)



Signature



Application No.: 12/495,653  
Filing Date: June 30, 2009

PATENT  
Docket: PENG.731A  
Page 3 of 2

## ASSIGNMENT

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 19 day of Aug 2009.

ALAN LINDNER

STATE OF California  
COUNTY OF San Diego ] ss.

On Aug. 19, 2009 before me, Raoul Bennett, (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

A handwritten signature in dark ink, appearing to read "Alan Lindner", written over a horizontal line.