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CLIENT CODE: PENG.610D

TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS: Please record the attached original documents or copy thereof.

<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>August 10, 2001 &amp; September 12, 2001</u>
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<b>Conveying Party(ies)</b>  Kris Orpilla, Charles Curbun, Kevin Simmons, and Russell L. Machado  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 Street Address: 12220 World Trade Drive City: San Diego State: CA ZIP: 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): 29/141,570 filed May 9, 2001 <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 Street Address: 3914 Murphy Canyon Road, Suite A232 City: San Diego State: CA ZIP: 92123 Telephone: (858) 505-1166	<b>Fee Amount (37 CFR 3.41):</b> \$40.00  <input checked="" type="checkbox"/> Please charge our Deposit Account No. 501423 for additional fees which may be required or credit our account for any overpayment. (A copy of this page is attached for this purpose).
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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> Robert F. Gazdzinski; Reg. No. 39,990</div><div><u>10/5/01</u> Date</div></div>
<b>Pages</b> Enter the total number of pages of the conveyance document including any attachments: ( 3 )
Mail documents to be recorded with required cover sheet information to:  <div style="display: flex; justify-content: space-between;"><div>( 29 ) 29/141,570 101874941</div><div>Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231</div></div>

PATENT  
REEL: 012240 FRAME: 0806

### ASSIGNMENT

WHEREAS, We, Kris Orpilla, a United States citizen, residing 1477 20<sup>th</sup> Avenue, San Francisco, California 94103, United States; Charles Curbbun, a United Kingdom citizen, residing at 517 La Costa, California 92024, United States; Kevin Simmons, a United States citizen, residing at 1042 Cypress Avenue, San Diego, California 92103, United States; and Russell L. Machado, a United States citizen, residing at 11438 Alborada Drive, San Diego, California 92127, United States, have invented certain new and useful improvements in a **ELECTRONICS HOUSING ELEMENTS** for which we have filed an application for Letters Patent in the United States, Application No. 29/141,570, filed May 9, 2001.

AND WHEREAS, PULSE ENGINEERING (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 12220 World Trade Drive, San Diego, California 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 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.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 12 day of SEPTEMBER 2001.

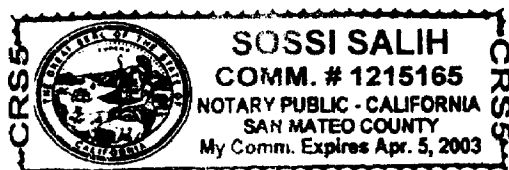
K Orpilla  
Kris Orpilla

STATE OF California  
COUNTY OF San Mateo ss.

On September 12, 2001, before me, Sossi Salih, personally appeared Kris Orpilla ~~personally known to me~~ (or 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 executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Sossi Salih  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 10 day of August 2001.

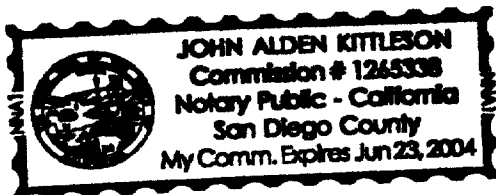
  
Charles Curbbun

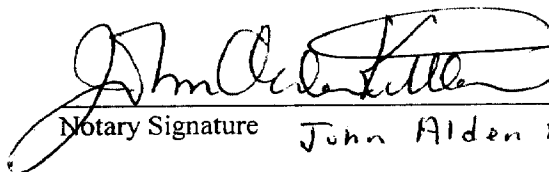
STATE OF California  
COUNTY OF San Diego ] ss.

On August 10, 2001, before me, John Alden Kittleson, personally appeared Charles Curbbun personally known to me (~~or 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 executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

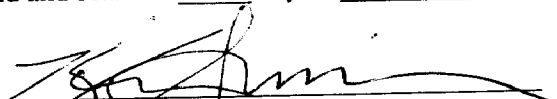
WITNESS my hand and official seal.

[SEAL]



  
Notary Signature John Alden Kittleson

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 10 day of AUGUST 2001.

  
Kevin Simmons

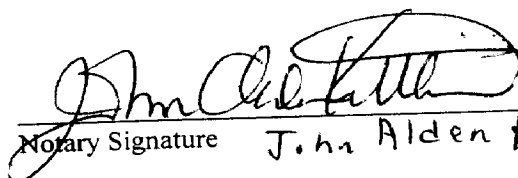
STATE OF California  
COUNTY OF San Diego ] ss.

On August 10, 2001, before me, John Alden Kittleson, personally appeared Kevin Simmons personally known to me (~~or 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 executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



  
Notary Signature John Alden Kittleson

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 10 day of August 2001.

Russell Machado  
Russell L. Machado

STATE OF CALIFORNIA )  
COUNTY OF SAN DIEGO ) ss.

On August 10, 2001, before me, GRACE PIOTROWICZ, personally appeared Russell L. Machado personally known to me (or 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 executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Grace Piotrowicz  
Notary Signature