


# RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

<p><b>1. Name of conveying party(ies)</b></p> <p style="text-align: center;">Patrick T. Marshall Michael W. McKinley Charley Brun, Jr.</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p><b>3. Nature of conveyance/Execution Date(s):</b> Execution Date(s) <u>05/20/2008, 05/20/2008, and 05/15/2008</u></p> <p><input type="checkbox"/> Assignment <span style="margin-left: 150px;"><input type="checkbox"/> Merger</span>  <input type="checkbox"/> Security Agreement <span style="margin-left: 100px;"><input type="checkbox"/> Change of Name</span>  <input type="checkbox"/> Joint Research Agreement  <input checked="" type="checkbox"/> <u>Government Interest Assignment</u>  <input type="checkbox"/> Executive Order 9424, Confirmatory License  <input type="checkbox"/> Other _____</p>	<p><b>2. Name and address of receiving party(ies)</b></p> <p>Name: <u>The United States of America as represented by the Secretary of the Air Force</u></p> <p>Internal Address: <u>AFMCLO/JAZ</u> <u>Bldg 11, Room D18</u></p> <p>Street Address: <u>2240 B Street</u></p> <p>City: <u>Wright-Patterson Air Force Base</u></p> <p>State: <u>Ohio</u></p> <p>Country: <u>U.S.A.</u> Zip: <u>45433-7109</u></p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p><b>4. Application or patent number(s):</b> <input type="checkbox"/> This document is being filed together with a new application.</p> <p>A. Patent Application No.(s)  <u>12/154,812</u></p> <p style="text-align: right;">Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>B. Patent No.(s)</p>
<p><b>5. Name and address to whom correspondence concerning document should be mailed:</b></p> <p>Name: <u>Fredric L. Sinder</u></p> <p>Internal Address: <u>AFMCLO/JAZ</u> <u>Bldg 11, Room 100</u></p> <p>Street Address: <u>2240 B Street</u></p> <p>City: <u>Wright-Patterson AFB</u></p> <p>State: <u>Ohio</u> Zip: <u>45433-7109</u></p> <p>Phone Number: <u>(937) 255-2838</u></p> <p>Fax Number: <u>(937) 255-3733</u></p> <p>Email Address: <u>fredric.sinder@wpafb.af.mil</u></p>	<p><b>6. Total number of applications and patents involved:</b> <u>1</u></p> <p><b>7. Total fee (37 CFR 1.21(h) &amp; 3.41) \$</b> <u>40.00</u></p> <p><input type="checkbox"/> Authorized to be charged by credit card  <input checked="" type="checkbox"/> Authorized to be charged to deposit account  <input type="checkbox"/> Enclosed  <input type="checkbox"/> None required (government interest not affecting title)</p> <p><b>8. Payment Information</b></p> <p>a. Credit card Last 4 Numbers _____ Expiration Date: _____</p> <p>b. Deposit Account Number <u>AF01-0465</u> Authorized User Name <u>Fredric L. Sinder</u></p>
<p><b>9. Signature:</b> <u></u> <span style="float: right;"><u>9 June 08</u></span></p> <p style="text-align: center;">Signature <span style="margin-left: 300px;">Date</span></p> <p style="text-align: center;"><u>FREDRIC L. SINDER</u> Name of Person Signing</p>	
<p>Total number of pages including cover sheet, attachments, and documents: <span style="border: 1px solid black; padding: 2px 10px;">5</span></p>	

CH \$40.00 010465 12154812

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

ASSIGNMENT

WHEREAS I, Patrick T. Marshall, while employed by the Government of the United States, made jointly with Michael W. McKinley and Charley Brun, Jr., an invention entitled HARVESTING POWER FROM LOW-VOLTAGE OVERHEAD CABLES, described in an application for Letters Patent of the United States described in an application for Letters Patent of the United States executed by me on the 20<sup>th</sup> day of May, 2008;

WHEREAS, the conditions under which the joint invention was made are such as to entitle the Government under paragraph 1(a) of Executive Order 10096, to my entire right, title and interest therein, including foreign rights; and

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the premises and other valuable consideration, I, Patrick T. Marshall, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto the Government of the United States, as represented by the Secretary of the Air Force, my entire right, title and interest throughout the world in and to the aforesaid joint invention described in the aforesaid application for Letters Patent of the United States, and any and all applications for patent and patents in any and all countries foreign to the United States, and all Letters Patent issuing thereon and any continuations, continuations-in-part, divisions, and reissues or extensions thereof; and all priority resulting from the filing of the aforesaid application for patent in the United States; I hereby authorize and request any official whose duty it is to issue patents to issue any patent thereon to the United States of America, as represented by the Secretary of the Air Force, and his successors, as assignee of my entire right, title and interest in and to the same, for the sole use for the full term or terms for which said patents and any continuations, continuations-in-part, divisions and reissues or extensions thereof are, or may be, granted as fully and entirely as the same would have been held by me had this Assignment not been made; and I hereby agree to execute any and all applications for Letters Patent, and to furnish all data and documents and to execute any papers which may be necessary or convenient for the preparation, filing, or prosecution of such applications, except it is understood that I shall not be subject to any out-of-pocket expense relative to such action.

Patrick T. Marshall  
PATRICK T. MARSHALL

SIGNED and acknowledged before me this 20<sup>th</sup> day of May, 2008, at the city of Wright + Patterson AFB, County of Montgomery, and State of Ohio.

(seal)



Gina S. Tollefson  
Notary Public  
GINA S. TOLLEFSON, Attorney at Law  
Notary Public, State of Ohio  
My Commission has no expiration date.  
Section 147.03 O. R. C.

PATENT

**ASSIGNMENT**

Application Title: HARVESTING POWER FROM LOW-VOLTAGE OVERHEAD CABLES

Inventor(s): Michael W. McKinley

Date Inventor(s) Executed Declaration: 5/20/08

Contractor: Defense Research Associates, Inc.

Contract Number: FA8601-04-D-0005-6103

Contractor's Invention No.: N/A

Air Force Invention No.: AFD 932

The undersigned Inventor(s) in recognition of their obligation as employee(s) of the Contractor to assign inventions to the Contractor, and pursuant to the obligations of the Contractor to the Government of the United States under the above contract, hereby assign to the United States of America, as represented by the Secretary of the Air Force, their entire right, title, and interest throughout the world in and to each invention disclosed and claimed in the above U.S. patent application, made jointly with Charley Brun, Jr. and Patrick T. Marshall, an employee of the U.S. Government, and any substitution, division, or continuation of such patent application, subject to the reservation to the Contractor of any license to which the Contractor may be entitled under the above contract.

The Inventor(s) agree to assist the Contractor and the Government, upon request, by furnishing any available information and documents, performing all acts, and doing all things which may be reasonably necessary to prepare, file and prosecute such applications and make this assignment effective.

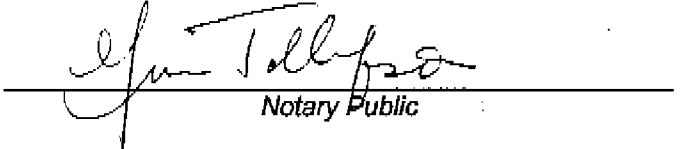
The Contractor joins in and agrees to this assignment and, except for the reservation of any license under the above contract, relinquishes and assigns to the United States of America as represented by the Secretary of the Air Force their entire right, title, and interest throughout the world in and to such inventions, and further agrees to furnish to the Government, upon request, any available information and documents necessary for the preparation, filing, and prosecution of such applications, for patent.

  
MICHAEL W. MCKINLEY

SIGNED and acknowledged before me this 20<sup>th</sup> day of May,  
2008, at the city of Wright-Patterson AFB, County of Montgomery,  
and State of Ohio.

(seal)



  
Notary Public

GINA S. TOLLEFSON, Attorney at Law  
Notary Public, State of Ohio  
My Commission has no expiration date.  
Section 147.03 O. R. C.

## FOR THE CONTRACTOR

Contractor: Defense Research Associates, Inc.By:   
(Signature of officer or agent)Date: 5-30-2008Printed Name: RAY A. TRIMMERTitle: EXECUTIVE VICE PRESIDENT,Business Address: 3915 Germany Lane, Suite 102  
Beavercreek, OH 45431-1608

I, REBECCA M. TRIMMER, certify that I am the SECRETARY of the corporation named as Contractor herein; and that RAY A. TRIMMER who signed this assignment on behalf of the Contractor was then EXECUTIVE VICE PRESIDENT, CFO of said corporation; that said assignment was duly signed for and on behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

  
(Signature of Secretary or certifying official)

**ASSIGNMENT**

WHEREAS the United States of America entered into a contract numbered FA8601-04-D-0005-6103 with Charley Brun, Jr. as contractor, which contract provides that as to all discoveries, inventions, or improvements made or first reduced to practice in the performance thereof or in the performance of any subcontract thereunder, and not covered or to be covered by applications for Letters Patent filed by the contractor or subcontractor, The United States of America shall be entitled to an assignment of the entire right, title, and interest therein, reserving to the contractor or subcontractor, however, a nonexclusive, royalty-free license therein;

WHEREAS Charley Brun, Jr., as the contractor, and in the course of performance under said contract, made jointly with Patrick T. Marshall and Michael W. McKinley, an invention entitled HARVESTING POWER FROM LOW-VOLTAGE OVERHEAD CABLES; and


WHEREAS, I, Charley Brun, Jr., as the contractor, hereby signify my intention not to file an application for Letters Patent on the aforesaid invention;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the premises and other valuable considerations, I, Charley Brun, Jr., as contractor under said contract, have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto The United States of America, as represented by the Secretary of the Air Force, my entire right, title and interest throughout the United States of America, its territories and dependencies, and all foreign countries in and to the said invention entitled HARVESTING POWER FROM LOW-VOLTAGE OVERHEAD CABLES described in the application executed by me on the 15 day of MAY 2008 preparatory to obtaining Letters Patent of the United States therefor and all Letters Patent issuing thereon and any continuations, continuations-in-part, divisions and reissues or extensions thereof, reserving to myself, a nonexclusive, royalty-free license to make, use, and/or sell the subject matter of said invention described in the aforesaid application and in any patent or patents which may issue thereon and any continuations, continuations-in-part, divisions and reissues or extensions thereof without the payment of royalties thereon; I do hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent to The United States of America, as represented by the Secretary of the Air Force, and his successors, as the assignee of my entire right, title and interest in and to the said joint invention for the sole use, except as aforesaid, for the full term or terms for which said Letters patent and any continuations, continuations-in-part, divisions, and reissues or extensions thereof are or may be granted as fully and entirely, except as aforesaid, as the same would have been held by myself, had this assignment not been made; and I, Charley Brun, Jr., hereby agree to execute any and all applications for Letters Patent, both domestic and foreign, and to execute any papers which may be necessary for the preparation or filing of such applications, except it shall be understood that I shall not be subject to any out-of-pocket expense relative to such action.

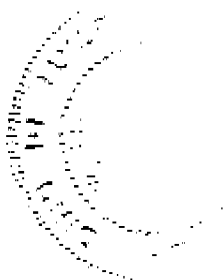
  
CHARLEY BRUN, JR.

STATE OF Ohio }  
COUNTY OF Montgomery } SS

Before me, a Notary Public in and for said county and state, on this 15<sup>th</sup> day of May 2008, personally appeared Charley Brun, Jr., who swore (or affirmed) that he is the inventor / contractor who signed the above instrument and acknowledged the signing thereof to be his free act and deed.

  
(Notary Public)  
GINA S. TOLLEFSON, Attorney at Law  
Notary Public, State of Ohio  
My Commission has no expiration date.  
Section 147.03 O. R. C.

SEAL



PATENT

RECORDED: 06/09/2008

REEL: 021068 FRAME: 0931