

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Mr. Brian Vandrak	11/28/2011
Mr. Donald C. Haney	11/28/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Enerco Group, Inc.
<b>Street Address:</b>	4560 West 160th Street
<b>City:</b>	Cleveland
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	44135
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	11954641
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(330)253-8601
<b>Phone:</b>	330.535.5711
<b>Email:</b>	iplaw@brouse.com
<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>	John M. Skeriotis
<b>Address Line 1:</b>	Brouse McDowell
<b>Address Line 2:</b>	388 South Main Street, Suite 500
<b>Address Line 4:</b>	Akron, OHIO 44311
<b>ATTORNEY DOCKET NUMBER:</b>	21384.46939
<b>NAME OF SUBMITTER:</b>	John M. Skeriotis
<b>Total Attachments: 2</b> source=ExecutedAssignment#page1.tif source=ExecutedAssignment#page2.tif	

CH \$40.00 11954641

501744025

**PATENT**  
**REEL: 027323 FRAME: 0529**

Docket No.: 21384.46939  
Application No.: 11/954,641  
Filed Date: December 12, 2007

### ASSIGNMENT

WHEREAS, I, **Brian S. Vandrak** of 5927 Highland Road, Highland Heights, Ohio 44143, the ("undersigned"), have invented certain improvements related to **HEAT AND/OR LIGHT PRODUCING UNIT POWERED BY A LITHIUM SECONDARY CELL BATTERY WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY** and described in patent application having serial number 11/954,641, filed on December 12, 2007, in The United States of America, being owner of all right, title, and interest in and to said application and in and to any invention described therein and having full right to convey the entire interest both legal and equitable herein assigned; and

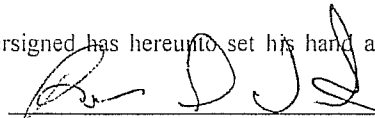
WHEREAS, **Enerco Group, Inc.** of 4560 West 160<sup>th</sup> Street, Cleveland, Ohio 44135, a corporation of the State of Ohio (assignee) is desirous of acquiring the entire right, title and interest in and to said application and said invention described therein and any and all patents to be obtained therefore, all as hereinafter set forth:

NOW, THEREFORE, in consideration of good and valuable consideration received by the undersigned, the undersigned do hereby sell, assign, transfer, and set over unto said assignee, its successors and assigns, the entire right, title, and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title, and interest in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part, or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee or its successors and assigns.

The undersigned further agree to execute all divisional, continuing, substitute, improvement, extension, reissue, and other patent applications in this or any foreign country relating to said application or invention and to sign all other lawful papers and to perform all other lawful acts without further consideration, but without expense to the undersigned, which the assignee may deem necessary or desirable to make this Assignment fully effective including by way of example, but not of limitation, the following acts:

- (1) Prompt execution of all lawful oaths, affidavits, and/or supplemental oaths required or deemed advisable by the assignee to further the prosecution of any application or applications for letters patent relating to the subject matter of this Assignment;
- (2) To co-operate to the best of my and/or our ability in the execution of all lawful documents, the production of evidence, and the giving of testimony in interference, opposition, nullification, or infringement proceedings involving the said invention or improvement, applications or patents or any of them.

IN WITNESS WHEREOF, the undersigned has hereunto set his hand and seal on the date set after his signature.

  
Brian Vandrak, 11/28, 2011  
Date

State of Ohio )  
County of Cuyahoga ) SS:

On this 28<sup>th</sup> day of November, 2011, before me personally appeared Brian Vandrak, personally known, and known to me to be the person(s) who signed the foregoing assignment, and acknowledge the signing of same as his free act and deed.

Jessica M. Brockway Jessica M. Brockway, 11/28, 2011  
Notary Public (Print Name) Signature Date

Jessica M. Brockway  
Notary Public  
Comm. Expires: 9/30/12

Docket No.: 21384.46939  
Application No.: 11/954,641  
Filed Date: December 12, 2007

### ASSIGNMENT

WHEREAS, I, **Donald C. Haney** of 14343 Oakland Park, Strongsville, Ohio 44136, the ("undersigned"), have invented certain improvements related to **HEAT AND/OR LIGHT PRODUCING UNIT POWERED BY A LITHIUM SECONDARY CELL BATTERY WITH HIGH CHARGE AND DISCHARGE RATE CAPABILITY** and described in patent application having serial number 11/954,641, filed on December 12, 2007, in The United States of America, being owner of all right, title, and interest in and to said application and in and to any invention described therein and having full right to convey the entire interest both legal and equitable herein assigned; and

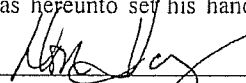
WHEREAS, **Enerco Group, Inc.** of 4560 West 160<sup>th</sup> Street, Cleveland, Ohio 44135, a corporation of the State of Ohio (assignee) is desirous of acquiring the entire right, title and interest in and to said application and said invention described therein and any and all patents to be obtained therefore, all as hereinafter set forth:

NOW, THEREFORE, in consideration of good and valuable consideration received by the undersigned, the undersigned do hereby sell, assign, transfer, and set over unto said assignee, its successors and assigns, the entire right, title, and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title, and interest in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part, or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee or its successors and assigns.

The undersigned further agree to execute all divisional, continuing, substitute, improvement, extension, reissue, and other patent applications in this or any foreign country relating to said application or invention and to sign all other lawful papers and to perform all other lawful acts without further consideration, but without expense to the undersigned, which the assignee may deem necessary or desirable to make this Assignment fully effective including by way of example, but not of limitation, the following acts:

- (1) Prompt execution of all lawful oaths, affidavits, and/or supplemental oaths required or deemed advisable by the assignee to further the prosecution of any application or applications for letters patent relating to the subject matter of this Assignment;
- (2) To co-operate to the best of my and/or our ability in the execution of all lawful documents, the production of evidence, and the giving of testimony in interference, opposition, nullification, or infringement proceedings involving the said invention or improvement, applications or patents or any of them.

IN WITNESS WHEREOF, the undersigned has hereunto set his hand and seal on the date set after his signature.

 , Nov 28, 2011  
Donald C. Haney Date

State of Ohio )  
 ) SS:  
County of Cuyahoga )

On this 28<sup>th</sup> day of November, 2011, before me personally appeared Brian Vandrak, personally known, and known to me to be the person(s) who signed the foregoing assignment, and acknowledge the signing of same as his free act and deed.

Jessica M. Brockway Jessica M. Brockway , 11/28, 2011  
Notary Public (Print Name) Signature Date

Jessica M. Brockway  
Notary Public  
Comm. Expires: 9/30/12