

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3224407

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JIN WEN	08/22/2013
TERESA WU	08/20/2013
AJAY SUNDER	12/12/2014
RECEIVING PARTY DATA	
Name:	VIRIDITY ENERGY, INC.
Street Address:	1801 MARKET STREET, SUITE 2701
City:	PHILADELPHIA
State/Country:	PENNSYLVANIA
Postal Code:	19103
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13888323
CORRESPONDENCE DATA	
Fax Number:	(617)607-9200
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	(617) 449-6500
Email:	docket@mccarter.com
Correspondent Name:	MCCARTER & ENGLISH, LLP
Address Line 1:	265 FRANKLIN STREET
Address Line 4:	BOSTON, MASSACHUSETTS 02110
ATTORNEY DOCKET NUMBER:	125408-00703
NAME OF SUBMITTER:	SANDRA D. M. BROWN
SIGNATURE:	/Sandra D.M. Brown/
DATE SIGNED:	02/12/2015
Total Attachments: 11	
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ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Viridity Energy, Inc.
1801 Market Street, Suite 2701
Philadelphia, PA 19103

(hereinafter referred to as "ASSIGNEE") its successors and assigns, his or her full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

MODELING OF BUILDING ASSETS AND FACILITATING REVENUE GENERATION FROM WHOLESALE
ELECTRICITY MARKETS

as set forth in this United States Patent Application

check one executed concurrently herewith,
 executed on _____
 Serial No. 13/888,323 Filed May 6, 2013

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for the above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of Foley & Lardner LLP the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Foley & Lardner LLP do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

NAME AND SIGNATURE OF INVENTOR

NAME: ALAIN P. STEVEN

SIGNATURE: _____ DATE: _____

Witness:

Date

Signature

Name: _____

Address: _____

NAME AND SIGNATURE OF INVENTOR

NAME: EUNICE B. HAMEYIE

SIGNATURE: _____ DATE: _____

Witness:

Date

Signature

Name: _____

Address: _____

NAME AND SIGNATURE OF INVENTOR

NAME: TERESA WU

SIGNATURE: _____

DATE: _____

08/20/2013

Witness:

_____ 08/20/2013 _____
Date

_____ Miao He _____
Signature

Name: _____ Miao He _____

Address: _____ 1307 W Elne Rae Se. _____
_____ Tempe, AZ, 85281 _____

NAME AND SIGNATURE OF INVENTOR

NAME: JIN WEN

SIGNATURE: _____

DATE: _____

Witness:

_____ _____
Date

_____ _____
Signature

Name: _____

Address: _____

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Viridity Energy, Inc.
1801 Market Street, Suite 2701
Philadelphia, PA 19103

(hereinafter referred to as "ASSIGNEE") its successors and assigns, his or her full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

**MODELING OF BUILDING ASSETS AND FACILITATING REVENUE GENERATION FROM WHOLESALE
ELECTRICITY MARKETS**

as set forth in this United States Patent Application

check one executed concurrently herewith,
 executed on _____,
 Serial No. 13/888,323 Filed May 6, 2013

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for the above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

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ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

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NAME AND SIGNATURE OF INVENTOR

NAME: ALAIN P. STEVEN

SIGNATURE: _____ DATE: _____

Witness:

Date

Signature

Name: _____

Address: _____

NAME AND SIGNATURE OF INVENTOR

NAME: EUNICE B. HAMEYIE

SIGNATURE: _____ DATE: _____

Witness:

Date

Signature

Name: _____

Address: _____

NAME AND SIGNATURE OF INVENTOR

NAME: TERESA WU

SIGNATURE: _____ DATE: _____

Witness:

Date

Signature

Name:

Address:

NAME AND SIGNATURE OF INVENTOR

NAME: JIN WEN

SIGNATURE:  DATE: 8/22/13

Witness:

8/22/2013
Date


Signature

LING J MENG
Name:

570 Edam Road
Glenview, PA
Address:

ASSIGNMENT

WHEREAS I, AJAY SUNDER residing at 2200 Benjamin Franklin Pkwy, Apt N404, Philadelphia, PA 19130 (each referred to as "Assignor") am a joint inventor on an invention(s) (the "Invention(s)") set forth in an application for patent of the United States, entitled **FACILITATING REVENUE GENERATION FROM WHOLESALE ELECTRICITY MARKETS BASED ON A SELF-TUNING ENERGY ASSET MODEL**, which is a:

- (1) provisional application
 - (a) to be filed herewith; or
 - (b) bearing Application No. _____, and filed on _____;
- (2) non-provisional application
 - (a) to be filed herewith; or
 - (b) bearing Application No. 13/888,323, and filed on May 6, 2013; and/or
- (3) PCT application
 - (a) bearing Application No. _____, and filed on _____.

WHEREAS, Viridity Energy, Inc., having its principal place of business at 1801 Market Street, Suite 2701, Philadelphia, PA 19103 (the "Assignee"), is desirous of acquiring his entire right, title, and interest in: the Invention(s); the application for patent identified in paragraph (1), (2) and/or (3); the right to file applications for patent of the United States or other countries on the Invention(s); any application for patent of the United States or other countries claiming priority to these applications; any provisional or other right to recover damages, including royalties, for prior infringements of these applications; and any patent of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

- (a) the Invention(s);
- (b) the application for patent identified in paragraph (1) (2) and/or (3);
- (c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Hague Convention, the

Paris Convention for the Protection of Industrial Property and under the Patent Cooperation Treaty;

(d) any application(s) for patent of the United States or other countries claiming the Invention(s);

(e) any application(s) for patent of the United States or other countries claiming priority to the application for patent identified in paragraph (1), (2) and/or (3) or any application(s) for patent claiming the Invention(s), including any division(s), continuation(s), and continuation(s)-in-part; and

(f) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs (b)-(e); and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b) – (e), including any reissue(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said applications, and said patents, including interference proceedings, without charge to the Assignor, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

Assignor acknowledges its right to seek its own independent legal counsel to provide legal advice to the Assignor with respect to this Assignment.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Inventor Signature: Ajay Sunder
Ajay Sunder

Date: 12/12/2014

Witness Signature: [Signature]

Date: 12/12/2014

Print Witness Name: SASHENIE HAYMAN

Address: 640 NORTH BROAD ST

APT 502

PHILADELPHIA, PA 19130