

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6562862

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
VARENTEC, INC.	02/09/2021
RECEIVING PARTY DATA	
Name:	SENTIENT ENERGY TECHNOLOGY, LLC
Street Address:	4111 E 37TH ST N
City:	WICHITA
State/Country:	KANSAS
Postal Code:	67220
PROPERTY NUMBERS Total: 22	
Property Type	Number
Patent Number:	9014867
Patent Number:	9104184
Patent Number:	9134746
Patent Number:	9293922
Patent Number:	9948100
Patent Number:	9065321
Patent Number:	9304522
Patent Number:	9639104
Patent Number:	9190929
Patent Number:	9983613
Patent Number:	10122098
Patent Number:	9795048
Patent Number:	10270253
Patent Number:	10541533
Patent Number:	10547175
Patent Number:	10680438
Patent Number:	10673236
Application Number:	14187114
Application Number:	15063378
Application Number:	15063385

PATENT

Property Type	Number
Application Number:	16890935
Application Number:	63140710

CORRESPONDENCE DATA

Fax Number:

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.

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Email: shannon.gonsalves@kochps.com
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NAME OF SUBMITTER:	SHANNON GONSALVES
SIGNATURE:	/Shannon Gonsalves/
DATE SIGNED:	02/22/2021

Total Attachments: 6

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CONFIRMATORY PATENT ASSIGNMENT

WHEREAS, Varentec, Inc., a Delaware corporation is the Assignor (“Assignor”);

WHEREAS, Sentient Energy Technology, LLC, a Delaware limited liability company is the Assignee (“Assignee”);

WHEREAS, Assignor and Assignee executed a certain Asset Purchase Agreement dated February 9, 2021, whereby Assignor transferred all right, title and interest in and to patents listed on Schedule I (collectively “Patents”) to Assignee; and

WHEREAS, Assignor and Assignee desire to execute this Confirmatory Patent Assignment.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor by these presents confirms selling, assigning, and transferring unto Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in and to the Patents, along with any right to claim priority required for any of the Patents under any applicable convention, treaty, statute, or regulation, to the full end of the term of the Patents as fully and entirely as the Patents could have been held and enjoyed by Assignor if the assignment and sale had not been made, together with all rights of actions for past infringement thereof including the right to recover damages for said infringement.

AND, Assignor hereby warrants and covenants that Assignor has not and will not execute any assignment or other instrument in conflict with this assignment;

AND, Assignor hereby covenants and agrees to do everything possible to aid Assignee, its successors, legal representatives, and assigns, to maintain and enforce protection throughout the world for the Patents, including signing lawful papers, making assignments, rightful oaths, and declarations, and testifying in judicial or administrative proceedings;

AND this Confirmatory Patent Assignment may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument and shall become effective when one or more counterparts have been signed by each of the parties and delivered to the other party, it being understood that all parties need not sign the same counterparty. Signatures transmitted by facsimile or electronic mail shall be deemed originals for purposes of this Confirmatory Patent Assignment.

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IN WITNESS WHEREOF, Assignor has caused its duly authorized representative to execute this Confirmatory Patent Assignment effective as of the day and year first above written.

VARENTEC, INC.,
a Delaware corporation

DocuSigned by:

Guillaume Dufossé

By: _____
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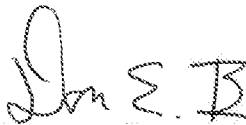
Name: Guillaume Dufossé

Title: Chief Executive Officer

[Signature Page to Confirmatory Patent Assignment]

IN WITNESS WHEREOF, Assignee has caused its duly authorized representative to execute this Confirmatory Patent Assignment effective as of the day and year first above written.

SENTIENT ENERGY TECHNOLOGY, LLC,
a Delaware limited liability company

By: 
Name: Don E. Brown
Title: Authorized Signer

[Signature Page to Confirmatory Patent Assignment]

SCHEDULE I

1. Issued U.S. Patents:

- a. 9,014,867 B2: Systems and Methods for Edge of Network Voltage Control of a Power Grid
- b. 9,104,184: Systems and Methods for Switch-Controlled VAR Sources Coupled to a Power Grid
- c. 9,134,746: Systems and Methods for Harmonic Resonance Control
- d. 9,293,922: Systems and Methods for Edge of Network Voltage Control of a Power Grid
- e. 9,948,100: Zero Drop Voltage Control for Smart Inverters
- f. 9,065,321: Isolated Dynamic Current Converters (shared with DOE (26RT-166846))
- g. 9,304,522: Systems and Methods for Dynamic AC Line Voltage Regulation with Energy Saving Tracking
- h. 9,639,104: Methods and Systems of Network Voltage Regulating Transformers
- i. 9,190,929: Multi-Level Rectifiers
- j. 9,983,613: Methods and Systems of Network Voltage Regulating Transformers
- k. 10,122,098: Transformer Terminal Coupler in Close Proximity to Distribution Transformer for Connecting at Least One Electrical Device to One or More Loads
- l. 9,795,048: Modular, Scalable, Multi-Function, Power Quality System for Utility Networks
- m. 10,270,253 B2: System and Method for Regulating the Reactive Power Flow of One or More Inverters Coupled to an Electrical Grid
- n. 10,541,533 B2: Systems and Methods for Edge of Network Voltage Control of a Power Grid
- o. 10,547,175 B2: Systems and Methods for Edge of Network Voltage Control of a Power Grid
- p. 10,680,438 B2: Optimizing Voltage and VAR on the Electrical Grid Using Distributed VAR Sources
- q. 10,673,236 B2: Controlling Demand and Energy Through Photovoltaic

2. Pending U.S. Patents:

- a. 14/187,114: Methods and Systems of Field Upgradeable Transformers (shared with ARPA-E (26R-196017))
- b. 15/063,378: Methods and Systems of Field Upgradeable Transformers

- c. 15/063,385: Methods and Systems of Field Upgradeable Transformers
 - d. 16/890,935: Systems and Methods for Autonomously Regulating Grid Edge Devices
3. Provisional U.S. Patent:
- a. 63/140,710: Systems and Methods for Estimating a Local CVR Factor
4. Issued International Patents:
- a. 2015249324 (Australia): Optimizing Voltage And Var On The Electric Grid Using Distributed Var Sources
5. Pending International Patents:
- a. 2016201070 (Australia): Systems And Methods For Edge Of Network Voltage Control Of A Power Grid
 - b. 2016367094 (Australia): Controlling Demand And Energy Through Photovoltaic Inverters Delivering Vars
 - c. 2922863 (Canada): Systems And Methods For Edge Of Network Voltage Control Of A Power Grid
 - d. 2948808 (Canada): Optimizing Voltage And Var On The Electric Grid Using Distributed Var Sources
 - e. 3007947 (Canada): Controlling Demand And Energy Through Photovoltaic Inverters Delivering Vars
 - f. 2939573 (Canada): Methods And Systems Of Field Upgradeable Transformers
6. Dropped International Patents: Seller has ceased its prosecution of the following international patents, pending patents or patent applications (the "Dropped Patents"). Seller's Intellectual Property rights in the Dropped Patents (if any) are included in the Specified IP Assets, provided that Seller makes no representation or warranty (under Section 2.9 of the Agreement or otherwise) with respect to such Dropped Patents:
- a. Systems and Methods for Edge of Network Voltage Control of a Power Grid (corresponding US Patent US 9/014-867 B2)
 - i. CN Patent No. 103946762 (China)
 - ii. EP Patent No. 2756365 (European Patent Office)
 - iii. DE Patent No. 2756365 (Germany)
 - iv. FR Patent No. 2756365 (France)
 - v. GB Patent No. 2756365 (United Kingdom)

- b. Systems and Methods for Switch-Controlled VAR Sources Coupled to a Power Grid (corresponding US Patent US 9/104,184)
 - i. EP Patent No. 2788832 (European Patent Office)
 - ii. DE Patent No. 2788832 (Germany)
 - iii. FR Patent No. 2788832 (France)
 - iv. GB Patent No. 2788832 (United Kingdom)
- c. Optimizing Voltage and VAR on the Electrical Grid Using Distributed VAR Sources (corresponding US Patent US 10/680,438 B2)
 - i. EP Application No. 15783843.4 (European Patent Office)
- d. Systems and Methods for Edge of Network Voltage Control of a Power Grid (corresponding US Patent US 10,541,533 B2)
 - i. EP Application No. 16159896.6 (European Patent Office)
- e. Controlling Demand and Energy Through Photovoltaic (corresponding US Patent 10,673,236 B2)
 - i. BR Application No. 11 2018 022764-1(Brazil)
 - ii. EP Application No. 16873651 (European Patent Office)
- f. Methods and Systems of Field Upgradeable Transformers (corresponding US Patent US 14/187,114)
 - i. AU Application No. 2019203285 (Australia)
 - ii. MX Application No. MX/a/2016/009571 (Mexico)
- g. Methods and Systems of Field Upgradeable Transformers AU Application No. 2019203285 (Australia)