

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4967840

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ANANDA H. KUMAR	11/11/2008
DIEN NGUYEN	11/21/2016
MARTIN JANOUSEK	01/21/2018
TAD ARMSTRONG	11/22/2016
RECEIVING PARTY DATA	
Name:	BLOOM ENERGY CORPORATION
Street Address:	1299 ORLEANS DRIVE
City:	SUNNYVALE
State/Country:	CALIFORNIA
Postal Code:	94089
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15357694
CORRESPONDENCE DATA	
Fax Number:	(703)391-2901
<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:	703-391-2900
Email:	ptonotices@marburylaw.com
Correspondent Name:	THE MARBURY LAW GROUP PLLC
Address Line 1:	11800 SUNRISE VALLEY DRIVE
Address Line 2:	15TH FLOOR
Address Line 4:	RESTON, VIRGINIA 20191
ATTORNEY DOCKET NUMBER:	7917-352CIP
NAME OF SUBMITTER:	PATRICK MCCONVILLE
SIGNATURE:	/pmcconville/
DATE SIGNED:	05/18/2018
Total Attachments: 5	
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ASSIGNMENT AND AGREEMENT

WHEREAS, **Ananda H. Kumar, Dien Nguyen, Martin Janousek, and Tad Armstrong** (hereinafter referred to singly and collectively as "ASSIGNOR") have invented a certain invention entitled **SEAL COMPOSITIONS, METHODS, AND STRUCTURES FOR PLANAR SOLID OXIDE FUEL CELLS**, for which a U.S. Non-Provisional application was filed November 12, 2008, as Application No. 12/292,078; a divisional application was filed April 2, 2014, as Application No. 14/243,588; a second divisional application was filed January 11, 2016, as Application No. 14/992,203; and for which a U.S. Continuation-in-Part application was filed November 21, 2016, as Application No. 15/357,694.

WHEREAS, **Bloom Energy Corporation**, having its principal place of business at **1299 Orleans Drive, Sunnyvale, CA 94089-1137**; (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire interest therein;

NOW THEREFORE, in view of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto ASSIGNEE, its successors and assigns, the full and exclusive right, title, and interest in and to (a) the above-identified invention or inventions and all improvements and modifications thereof, (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 International Convention and any other international agreement to which the United States adheres; 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 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 representatives 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

Executed this 11 day of November, 2008

Ananda H. Kumar
ANANDA H. KUMAR

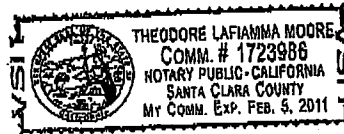
State of California)
County of Santa Clara)

On this 11 day of November, 2008, before me, Theodore Moore (a notary public in and for said county), personally appeared ANANDA H. KUMAR, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature [Signature]



My Commission Expires: 2/6/11

(Seal)

Executed this _____ day of _____, 20__.

State of _____)
County of _____)

DIEN NGUYEN

On this _____ day of _____, 20__, before me, _____ (a notary public in and for said county), personally appeared DIEN NGUYEN, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

My Commission Expires: _____

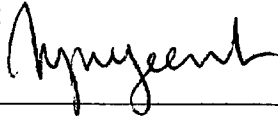
(Seal)

attorney, oaths, affidavits, 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 **The Marbury Law Group PLLC** 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 **The Marbury Law Group PLLC** 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.

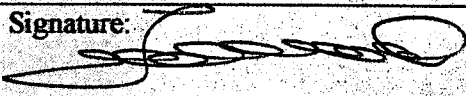
NAMES AND SIGNATURES OF INVENTOR		
Name: Ananda H. Kumar	Signature:	Date:
Name: Dien Nguyen	Signature: 	Date: 11/21/16
Name: Martin Janousek	Signature:	Date:
Name: Tad Armstrong	Signature:	Date:

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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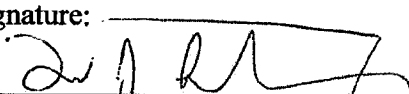
NAMES AND SIGNATURES OF INVENTOR		
Name: Ananda H. Kumar	Signature:	Date:
Name: Dien Nguyen	Signature:	Date:
Name: Martin Janousek	Signature: 	Date: 01/24/18
Name: Tad Armstrong	Signature:	Date:

attorney, oaths, affidavits, 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: Ananda H. Kumar	Signature:	Date:
Name: Dien Nguyen	Signature:	Date:
Name: Martin Janousek	Signature:	Date:
Name: Tad Armstrong	Signature: 	Date: 11/22/2016