

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT7836528

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL GASDA	10/31/2022
ROBERT HINTZ	12/05/2022
KARANPAL BHANGU	11/01/2022
SIDDHARTH PATEL	10/31/2022
HARALD HERCHEN	11/01/2022
VICTOR SILVA	11/30/2022
THUY THANH MUHL	10/31/2022
DAVID EDMONSTON	11/01/2022
TAD ARMSTRONG	11/01/2022

RECEIVING PARTY DATA

Name:	BLOOM ENERGY CORPORATION
Street Address:	4353 NORTH FIRST STREET
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95134

PROPERTY NUMBERS Total: 3

Property Type	Number
Application Number:	63278486
Application Number:	63365163
Application Number:	18054377

CORRESPONDENCE DATA

Fax Number: (703)391-2901

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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Address Line 2: 15TH FLOOR

Address Line 4: RESTON, VIRGINIA 20191

PATENT

ATTORNEY DOCKET NUMBER:	7917-669US
NAME OF SUBMITTER:	SOPHEAREAK C. IN
SIGNATURE:	/Sopheareak C. In/
DATE SIGNED:	03/09/2023

Total Attachments: 8

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ASSIGNMENT AND AGREEMENT

WHEREAS, Michael GASDA, Robert HINTZ, Karanpal BHANGU, Siddharth PATEL, Harald HERCHEN, Victor SILVA, Thuy Thanh MUHL, Tyler DAWSON, David EDMONSTON and Tad ARMSTRONG (hereinafter referred to singly and collectively as "ASSIGNOR") have invented a certain invention entitled **FUEL CELL COLUMN INCLUDING STRESS MITIGATION STRUCTURES** for which a U.S. Provisional Patent Application No. 63/278,486, was filed November 12, 2021, for which a U.S. Provisional Patent Application No. 63/365,163, was filed May 23, 2022, and for which Non-Provisional Patent Applications are filed herewith in U.S. Patent and Trademark Office, European Patent Office, Canada, China, India, Japan, Republic of Korea, and Taiwan ROC. (US Application No. 18/054,377, filed 11/10/2022)

WHEREAS, **BLOOM ENERGY CORPORATION**, having its principal place of business at *4353 North First Street, San Jose, CA 95134*; (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 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: Michael GASDA	Signature: 	Date: 10/31/2022
Name: Robert HINTZ	Signature:	Date:
Name: Karanpal BHANGU	Signature: 	Date: 11/1/2022
Name: Siddharth PATEL	Signature: 	Date: 10/31/2022
Name: Harald HERCHEN	Signature:	Date:

Name: Victor SILVA	Signature: 	Date: 11-30-2022
Name: Thuy Thanh MUHL	Signature:	Date:
Name: Tyler DAWSON	Signature:	Date:
Name: David EDMONSTON	Signature:	Date:
Name: Tad ARMSTRONG	Signature:	Date:

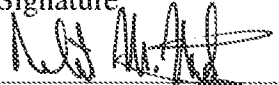
Name: Victor SILVA	Signature:	Date:
Name: Thuy Thanh MUHL	Signature:	Date:
Name: Tyler DAWSON	Signature:	Date:
Name: David EDMONSTON	Signature: 	Date: 11-01-2022
Name: Tad ARMSTRONG	Signature:	Date:

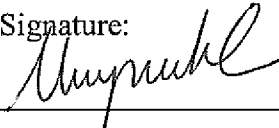
execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, 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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NAMES AND SIGNATURES OF INVENTOR		
Name: Michael GASDA	Signature:	Date:
Name: Robert HINTZ	Signature: 	Date: 12-5-22
Name: Karanpal BHANGU	Signature:	Date:
Name: Siddharth PATEL	Signature:	Date:
Name: Harald HERCHEN	Signature:	Date:

Name: Victor SILVA	Signature:	Date:
Name: Thuy Thanh MUHL	Signature: 	Date: 10/31/22
Name: Tyler DAWSON	Signature:	Date:
Name: David EDMONSTON	Signature:	Date:
Name: Tad ARMSTRONG	Signature:	Date:

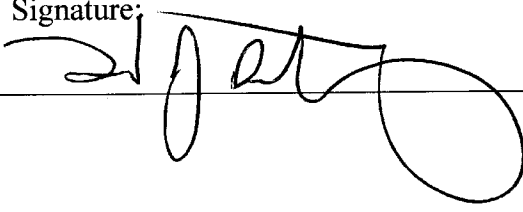
original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

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Name: Karanpal BHANGU	Signature:	Date:
Name: Siddharth PATEL	Signature:	Date:
Name: Harald HERCHEN	Signature: 	Date: Nov 22

Name: Victor SILVA	Signature:	Date:
Name: Thuy Thanh MUHL	Signature:	Date:
Name: Tyler DAWSON	Signature:	Date:
Name: David EDMONSTON	Signature:	Date:
Name: Tad ARMSTRONG	Signature: 	Date: 11/1/2022