

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6902368

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	NUNC PRO TUNC ASSIGNMENT		
<b>EFFECTIVE DATE:</b>	01/06/2021		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>			<b>Execution Date</b>
SHLOMO A. ZERBIB			11/24/2020
GADY GOLAN			11/24/2020
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	ARIEL SCIENTIFIC INNOVATIONS LTD.		
<b>Street Address:</b>	KIRYAT HAMADA, P.O. BOX 3		
<b>City:</b>	ARIEL		
<b>State/Country:</b>	ISRAEL		
<b>Postal Code:</b>	40700		
<b>PROPERTY NUMBERS Total: 2</b>			
<b>Property Type</b>	<b>Number</b>		
<b>Application Number:</b>	16817766		
<b>PCT Number:</b>	US2020036063		
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	(301)948-7774		
<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>			
<b>Phone:</b>	3019487775		
<b>Email:</b>	david.taylor@legalplanner.com		
<b>Correspondent Name:</b>	DAVID TAYLOR, LIEBERMAN & BRANDSDORFER, LLC		
<b>Address Line 1:</b>	802 STILL CREEK LANE		
<b>Address Line 4:</b>	GAITHERSBURG, MARYLAND 20878-3218		
<b>ATTORNEY DOCKET NUMBER:</b>	1375-201		
<b>NAME OF SUBMITTER:</b>	DAVID S. TAYLOR		
<b>SIGNATURE:</b>	/David S. Taylor/		
<b>DATE SIGNED:</b>	09/07/2021		
This document serves as an Oath/Declaration (37 CFR 1.63).			
<b>Total Attachments: 11</b>			
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US Application 16/817,766 and PCT Application PCT/US2020/036063

## **ASSIGNMENT**

This Assignment, effective 6 January 2021, is made and entered into by and between:

- (I) **Livolt Ltd.** ("LIVOLT") as Represented by \_\_\_\_\_, and having an address at 701/8 Tzel Harim, Elon Moreh, ISRAEL 4483300; and
- (II) **Michael V. Sassoon** ("INVENTOR SASSOON") having an address at Karkur, Israel, **Gady GOLAN** ("INVENTOR GOLAN") having an address at Rishon Lezion, Israel, **Shlomo A. ZERBIB** ("INVENTOR ZERBIB") having an address at Elon Moreh, Israel, and **Nathan H. WINKLER** ("INVENTOR WINKLER") having an address at Moshe Dayan Blvd 54, Apt 6, Jerusalem, 9757025 (INVENTORS SASSOON, GOLAN, ZERBIB and WINKLER are referred to collectively herein as the INVENTORS); and
- (III) **Ariel Scientific Innovations Ltd.** ("ARIEL"), as Represented by \_\_\_\_\_, and having an address at Kiryat Hamada, P.O. Box 3, Ariel 40700, Israel.

1. Each of INVENTOR SASSOON, INVENTOR GOLAN, INVENTOR ZERBIB, and INVENTOR WINKLER is named as an inventor of one or more inventions disclosed and/or claimed in International Application No: **PCT/US2020/036063** filed **June 4, 2020** and/or U.S Patent Application No. **16/817,766** filed **March 13, 2020** (the "SUBJECT APPLICATIONS") and both entitled **INTEGRATION OF CARBON DIOXIDE ABSORPTION AND WATER ELECTROLYSIS INTO METHANATION**, and which claim priority to patent application number **US 62/860,329**, filed **June 12, 2019** (the "PRIORITY APPLICATION"), and which names INVENTOR WINKLER as the sole inventor.

2. Assignments to LIVOLT recorded June 4, 2020 and March 13, 2020. INVENTOR WINKLER, INVENTOR SASSOON, INVENTOR GOLAN, AND INVENTOR ZERBIB, executed assignments on June 3, 2020, June 2, 2020, June 3, 2020, and June 3, 2020, respectively, and which were recorded by the U.S. Patent and Trademark Office on June 4, 2020, at Reel/Frame: **052838/0966**, stating that each of the INVENTORS assigned, transferred and set over his entire right, title, and interest in and to the inventions disclosed and/or claimed in the SUBJECT APPLICATIONS to LIVOLT. INVENTOR WINKLER, INVENTOR SASSOON, INVENTOR GOLAN AND INVENTOR ZERBIB, executed assignments on March 10, 2020, March 12, 2020, March 12, 2020, and March 12, 2020, respectively, and which were recorded by the U.S. Patent and Trademark Office on March 13, 2020, at Reel/Frame: **052105/0342**, stating that each of the INVENTORS assigned,

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transferred and set over his entire right, title, and interest in and to the inventions disclosed and/or claimed in U.S. Patent Application No. 16/817,766 to LIVOLT.

3. INVENTOR GOLAN AND INVENTOR ZERBIB are employed by ARIEL and they were employed by ARIEL when each INVENTOR conceived of their respective contributions to the subject matter of the inventions disclosed and/or claimed in the SUBJECT APPLICATIONS. By operation of Israeli law, ARIEL is the sole owner of and entitled to, the entire right, title, and interest in and to the inventions disclosed and/or claimed in the SUBJECT APPLICATIONS from INVENTORS GOLAN and ZERBIB as a result of the employment of INVENTORS GOLAN and ZERBIB by ARIEL. The assignments of each of INVENTOR GOLAN'S AND INVENTOR ZERBIB'S entire right, title, and interest in and to the inventions disclosed and/or claimed in the SUBJECT APPLICATIONS to LIVOLT are void. LIVOLT hereby agrees, confirms, represents, and warrants, that as of the effective date of the assignment, LIVOLT did not receive any title to the inventions disclosed and/or claimed in the SUBJECT APPLICATIONS from INVENTOR GOLAN AND INVENTOR ZERBIB.

4. Assignments from INVENTORS GOLAN AND ZERBIB to ARIEL. INVENTOR GOLAN AND INVENTOR ZERBIB executed assignments on November 23, 2020 and November 24, 2020, respectively, stating that each of INVENTOR GOLAN AND INVENTOR ZERBIB assigned, transferred and set over his entire right, title, and interest in and to the inventions disclosed and/or claimed in the SUBJECT APPLICATIONS to ARIEL. Copies of the assignments discussed above in this Paragraph are attached hereto as an Appendix.

5. INVENTOR WINKLER rightfully assigned his entire right, title, and interest in and to the inventions disclosed and/or claimed in the SUBJECT APPLICATIONS from INVENTOR WINKLER to LIVOLT by virtue of the assignments executed by INVENTOR WINKLER on June 3, 2020 and March 10, 2020, respectively. This ASSIGNMENT does not affect, and does not void in any way, the earlier assignments by INVENTOR WINKLER to LIVOLT.

6. INVENTOR SASSOON rightfully assigned his entire right, title, and interest in and to the inventions disclosed and/or claimed in the SUBJECT APPLICATIONS from INVENTOR SASSOON to LIVOLT by virtue of the assignments executed by INVENTOR SASSOON on June 2, 2020 and March 12, 2020, respectively. This ASSIGNMENT does not affect, and does not void in any way, the earlier assignments by INVENTOR SASSOON to LIVOLT.

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NOW THEREFORE, in consideration of the foregoing and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties to this ASSIGNMENT hereby agree, confirm, represent and warrant that the parties respective rights, titles and interests in and to the inventions disclosed and/or claimed in the Subject Applications, and any and all corresponding foreign applications, is as follows:

- (1) By selling, assigning, and transferring his rights to LIVOLT, INVENTOR NATHAN H. WINKLER** has sold, assigned and transferred to **LIVOLT**, his entire right, title and interest in and to his inventions disclosed and/or claimed in the SUBJECT APPLICATIONS, including any right to recover for past damages, and any and all corresponding foreign applications; and in and to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the SUBJECT APPLICATIONS and the PRIORITY APPLICATION, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part and other application(s) claiming the benefit of priority of either or both of the SUBJECT APPLICATIONS; all patents granted on such applications in any country; and the right to claim for such applications in any country the priority rights derived from the PRIORITY APPLICATION and the SUBJECT APPLICATIONS under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection or the domestic laws of any country in which any such application is filed, as may be applicable;
- (2) By selling, assigning, and transferring his rights to LIVOLT, INVENTOR MICHAEL V. SASSOON** has sold, assigned and transferred to **LIVOLT**, his entire right, title, and interest in and to his inventions disclosed and/or claimed in the SUBJECT APPLICATIONS, including any right to recover for past damages, and any and all corresponding foreign applications; and in and to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the SUBJECT APPLICATIONS and the PRIORITY APPLICATION, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part and other application(s) claiming the benefit of priority of either or both of the SUBJECT APPLICATIONS; all patents granted on such applications in any country; and the right to claim for such applications in any country the priority rights derived from the PRIORITY APPLICATION and the SUBJECT APPLICATIONS under the International Convention for the Protection

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of Industrial Property, the Patent Laws of the United States, any other international agreement or protection or the domestic laws of any country in which any such application is filed, as may be applicable;

**(3) By selling, assigning, and transferring his rights to ARIEL, INVENTOR GADY GOLAN** has sold, assigned and transferred to **ARIEL**, his entire right, title, and interest in and to his inventions disclosed and/or claimed in the SUBJECT APPLICATIONS, including any right to recover for past damages, and any and all corresponding foreign applications; in and to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the SUBJECT APPLICATIONS and the PRIORITY APPLICATION, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part and other application(s) claiming the benefit of priority of either or both of the SUBJECT APPLICATIONS; all patents granted on such applications in any country; and the right to claim for such applications in any country the priority rights derived from the PRIORITY APPLICATION and the SUBJECT APPLICATIONS under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection or the domestic laws of any country in which any such application is filed, as may be applicable; and

**(4) By selling, assigning, and transferring his rights to ARIEL, INVENTOR SHLOMO A. ZERBIB** has sold, assigned and transferred to **ARIEL**, his entire right, title, and interest in and to his inventions disclosed and/or claimed in the SUBJECT APPLICATIONS, including any right to recover for past damages, and any and all corresponding foreign applications; in and to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the SUBJECT APPLICATIONS and the PRIORITY APPLICATION, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part and other application(s) claiming the benefit of priority of either or both of the SUBJECT APPLICATIONS; all patents granted on such applications in any country; and the right to claim for such applications in any country the priority rights derived from the PRIORITY APPLICATION and the SUBJECT APPLICATIONS under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection or the domestic laws of any country in which any such application is filed, as may be applicable.

*[Signature Page Follows]*

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**Nathan H. WINKLER, INVENTOR**

FULL NAME OF INVENTOR: <b>Nathan H. WINKLER</b>	FULL NAME OF WITNESS: Gady Golan
SIGNATURE OF INVENTOR: <small>DocuSigned by:</small> <i>Nathan Winkler</i> <small>D92397AB843A4FC...</small>	SIGNATURE OF WITNESS: <small>DocuSigned by:</small> <i>Gady Golan</i> <small>7334C5BCEDD841A...</small>
DATE: 3/21/2021 _____ (day / month / year)	ADDRESS OF WITNESS: Ariel University, Israel

AND

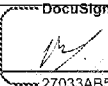
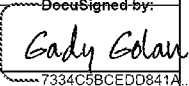
**LIVOLT LTD, ASSIGNEE**

This assignment is accepted on behalf of LIVOLT LTD by:

FULL NAME OF LIVOLT'S LEGAL REPRESENTATIVE: Nathan Winkler	FULL NAME OF WITNESS: Gady Golan
TITLE OF LIVOLT'S LEGAL REPRESENTATIVE: CEO	
SIGNATURE OF LIVOLT'S LEGAL REPRESENTATIVE: <small>DocuSigned by:</small> <i>Nathan Winkler</i> <small>D92397AB843A4FC...</small>	SIGNATURE OF WITNESS: <small>DocuSigned by:</small> <i>Gady Golan</i> <small>7334C5BCEDD841A...</small>
DATE: 3/21/2021 _____ (day / month / year)	ADDRESS OF WITNESS: Ariel University, Israel

US Application 16/817,766 and PCT Application PCT/US2020/036063


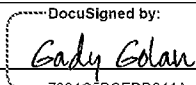
**MICHAEL V. SASSOON, INVENTOR AND ASSIGNOR**

FULL NAME OF INVENTOR: <b>Michael V. SASSOON</b>	FULL NAME OF WITNESS: Gady Golan
SIGNATURE OF INVENTOR:  27033AB57D72450...	SIGNATURE OF WITNESS:  7334C5BCEDD841A...
DATE: 3/19/2021 _____ (day / month / year)	ADDRESS OF WITNESS: Ariel University, Israel

AND

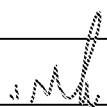

**LIVOLT LTD, ASSIGNEE**

This assignment is accepted on behalf of LIVOLT LTD by:

FULL NAME OF LIVOLT'S LEGAL REPRESENTATIVE: Nathan Winkler	FULL NAME OF WITNESS: Gady Golan
TITLE OF LIVOLT'S LEGAL REPRESENTATIVE: CEO	
SIGNATURE OF LIVOLT'S LEGAL REPRESENTATIVE:  D92397AB843A4FC...	SIGNATURE OF WITNESS:  7334C5BCEDD841A...
DATE: 3/21/2021 _____ (day / month / year)	ADDRESS OF WITNESS: Ariel University, Israel

US Application 16/817,766 and PCT Application PCT/US2020/036063


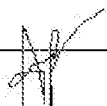
**SHLOMO A. ZERBIB, INVENTOR AND ASSIGNOR**

FULL NAME OF INVENTOR: <b>Shlomo A. ZERBIB</b>	FULL NAME OF WITNESS: Inna Raskin
SIGNATURE OF INVENTOR: 	SIGNATURE OF WITNESS: 
DATE: 10/01/2021 (day / month / year)	ADDRESS OF WITNESS: Ariel, IL

AND

**ARIEL SCIENTIFIC INNOVATIONS LTD., ASSIGNEE:**


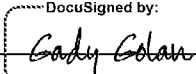
This assignment is accepted on behalf of ARIEL SCIENTIFIC INNOVATIONS LTD. by:

FULL NAME OF ARIEL'S LEGAL REPRESENTATIVE:	FULL NAME OF WITNESS: Inna Raskin
TITLE OF ARIEL'S LEGAL REPRESENTATIVE:	
SIGNATURE OF ARIEL'S LEGAL REPRESENTATIVE:  Larry Libov CEO ARIEL SCIENTIFIC INNOVATIONS, LTD.	SIGNATURE OF WITNESS: 
DATE: 11 January 2021 (day / month / year)	ADDRESS OF WITNESS: Ariel, IL

AND

**LIVOLT LTD**

This assignment is consented to on behalf of LIVOLT LTD by:

FULL NAME OF LIVOLT'S LEGAL REPRESENTATIVE: Nathan Winkler	FULL NAME OF WITNESS: Gady Golan
TITLE OF LIVOLT'S LEGAL REPRESENTATIVE: CEO	
SIGNATURE OF LIVOLT'S LEGAL REPRESENTATIVE:  Nathan Winkler D92397AB843A4FC...	SIGNATURE OF WITNESS:  Gady Golan 7334C5BCEDD841A...
DATE: 3/21/2021 (day / month / year)	ADDRESS OF WITNESS: Ariel University, Israel

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**GADY GOLAN, INVENTOR AND ASSIGNOR**

FULL NAME OF INVENTOR: <b>Gady GOLAN</b>	FULL NAME OF WITNESS: <i>Inna Raslein</i>
SIGNATURE OF INVENTOR: <i>Gady Golan</i>	SIGNATURE OF WITNESS: <i>Inna Raslein</i>
DATE: <u>6 / 1 / 2021</u> (day / month / year)	ADDRESS OF WITNESS: <i>Ariel, IL</i>

AND

**ARIEL SCIENTIFIC INNOVATIONS LTD., ASSIGNEE:**

This assignment is accepted on behalf of ARIEL SCIENTIFIC INNOVATIONS LTD. by:

FULL NAME OF ARIEL'S LEGAL REPRESENTATIVE: <i>Larry Loew</i>	FULL NAME OF WITNESS: <i>Inna Raslein</i>
TITLE OF ARIEL'S LEGAL REPRESENTATIVE: <i>CEO</i>	
SIGNATURE OF ARIEL'S LEGAL REPRESENTATIVE: <i>Larry Loew</i>	SIGNATURE OF WITNESS: <i>Inna Raslein</i>
DATE: <u>6 Jan 2021</u> (day / month / year)	ADDRESS OF WITNESS: <i>Ariel, IL</i>

AND

**LIVOLT LTD**

This assignment is consented to on behalf of LIVOLT LTD by:

FULL NAME OF LIVOLT'S LEGAL REPRESENTATIVE: <b>Nathan Winkler</b>	FULL NAME OF WITNESS: <b>Gady Golan</b>
TITLE OF LIVOLT'S LEGAL REPRESENTATIVE: <b>CEO</b>	
SIGNATURE OF LIVOLT'S LEGAL REPRESENTATIVE: <i>Nathan Winkler</i> DocuSigned by: Nathan Winkler D92397AB843A4FC...	SIGNATURE OF WITNESS: <i>Gady Golan</i> DocuSigned by: Gady Golan 7334C5BCEDD84TA
DATE: <u>3/21/2021</u> (day / month / year)	ADDRESS OF WITNESS: <b>Ariel University, Israel</b>

**APPENDIX**

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned Inventors:

MICHAEL V. SASSOON  
GADY GOLAN  
SHILOMO A. ZERBIB

Karkur, IL  
Rishon Lezion, IL  
Elon Moreh, IL

hereby sell(s), assign(s) and transfer(s) to:

Ariel Scientific Innovations Ltd.  
Kiryat Humada  
PO Box 3  
Ariel 40700  
Israel

(hereinafter called the "Assignee"), its successors, assigns, nominees or other legal representatives, the undersigned's entire rights, title and interest in and to the invention titled:

**INTEGRATION OF CARBON DIOXIDE ABSORPTION AND WATER ELECTROLYSIS INTO  
METHANATION**

described and claimed in:

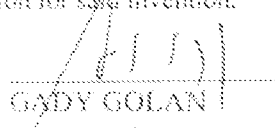
PCT Application No. PCT/US2020/36063  
filed JUNE 4, 2020

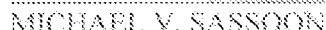
and in and to said Patent Application, and all patent applications, original and reissued patents granted claiming priority therefrom, and all divisions, patents of additions, continuations and continuations-in-part thereof, any corresponding PCT Patent Application and the National Phases thereof, including the right to apply and obtain Patents in all other countries, the priority rights under International Conventions, and the Letters Patent which may be granted thereon;

covenant that the undersigned have (has) the full right to convey the entire interest therein assigned;

authorize(s) and request(s) the Registrar of Patents, and any Official of any country whose duty it is to issue Patents on applications as aforesaid, to issue the said Letters Patent to the said Assignee;

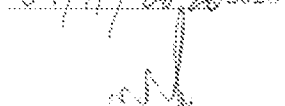
and agree(s) to sign all lawful papers, make all rightful oaths, do all lawful acts requisite for such Patent Applications, and do everything possible to aid said Assignee to apply for, obtain and enforce Patent protection for said invention.

  
GADY GOLAN

  
MICHAEL V. SASSOON

Date: 23/11/2020, 2020

Date: \_\_\_\_\_, 2020

  
SHILOMO A. ZERBIB

Date: 24/11/2020, 2020

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned inventors:

Gady Golan  
Michael V. Sassoon  
Shlomo Avraham Zerbib

Rishon Lezion, IL  
Karkur, IL  
Elon Moreh, IL

hereby sell(s), assign(s) and transfer(s) to:

Ariel Scientific Innovations Ltd.  
Kiryat Hamada  
PO Box 3  
Ariel 40700  
Israel

(hereinafter called the "Assignee"), its successors, assigns, nominees or other legal representatives, the undersigned's entire rights, title and interest in and to the invention titled:

**INTEGRATION OF CARBON DIOXIDE ABSORPTION AND WATER ELECTROLYSIS INTO  
METHANATION**

described and claimed in:

**US Patent Application No. 16/817,766  
filed March 13, 2020**

and in and to said Patent Application, and all patent applications, original and reissued patents granted claiming priority therefrom, and all divisions, patents of additions, continuations and continuations-in-part thereof, any corresponding PCT Patent Application and the National Phases thereof, including the right to apply and obtain Patents in all other countries, the priority rights under International Conventions, and the Letters Patent which may be granted thereon;


covenant that the undersigned have (has) the full right to convey the entire interest therein assigned; authorize(s) and request(s) the Registrar of Patents, and any Official of any country whose duty it is to issue Patents on applications as aforesaid, to issue the said Letters Patent to the said Assignee; and agree(s) to sign all lawful papers, make all rightful oaths, do all lawful acts requisite for such Patent Applications, and do everything possible to aid said Assignee to apply for, obtain and enforce Patent protection for said invention.

  
Gady Golan

\_\_\_\_\_  
Michael V. Sassoon

Date: 24/11/2020, 2020

Date: \_\_\_\_\_, 2020

  
Shlomo Avraham Zerbib

Date: 24/11/2020, 2020