

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7015449

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RACHEL JANE BRENC	11/03/2021
ROBERT JOHN CONRADO	11/04/2021
JOSS ANTON COOMBES	11/03/2021
ELHAM EBRAHIMIAQDA	11/02/2021
ALLAN HAIMING GAO	11/03/2021
BRIAN NELSON HORTON	11/03/2021
XUELIANG LI	11/03/2021
MAYUR SATHE	11/03/2021
CURTIS PAUL STUDEBAKER	11/09/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LANZATECH, INC.
<b>Street Address:</b>	8045 LAMON AVENUE, SUITE 400
<b>City:</b>	SKOKIE
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60077
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17453476
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(847)324-2399
<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>	8473242400
<b>Email:</b>	hisae.motooka@lanzatech.com
<b>Correspondent Name:</b>	LANZATECH, INC.
<b>Address Line 1:</b>	8045 LAMON AVENUE, SUITE 400
<b>Address Line 4:</b>	SKOKIE, ILLINOIS 60077
<b>ATTORNEY DOCKET NUMBER:</b>	LT183US1
<b>NAME OF SUBMITTER:</b>	HISAE MOTOOKA

<b>SIGNATURE:</b>	/Hisae Motooka/
<b>DATE SIGNED:</b>	11/09/2021
<b>Total Attachments: 18</b> source=LT183US1-2021-11-09-Assignment-SIGNED#page1.tif source=LT183US1-2021-11-09-Assignment-SIGNED#page2.tif source=LT183US1-2021-11-09-Assignment-SIGNED#page3.tif source=LT183US1-2021-11-09-Assignment-SIGNED#page4.tif source=LT183US1-2021-11-09-Assignment-SIGNED#page5.tif source=LT183US1-2021-11-09-Assignment-SIGNED#page6.tif source=LT183US1-2021-11-09-Assignment-SIGNED#page7.tif source=LT183US1-2021-11-09-Assignment-SIGNED#page8.tif source=LT183US1-2021-11-09-Assignment-SIGNED#page9.tif source=LT183US1-2021-11-09-Assignment-SIGNED#page10.tif source=LT183US1-2021-11-09-Assignment-SIGNED#page11.tif source=LT183US1-2021-11-09-Assignment-SIGNED#page12.tif source=LT183US1-2021-11-09-Assignment-SIGNED#page13.tif source=LT183US1-2021-11-09-Assignment-SIGNED#page14.tif source=LT183US1-2021-11-09-Assignment-SIGNED#page15.tif source=LT183US1-2021-11-09-Assignment-SIGNED#page16.tif source=LT183US1-2021-11-09-Assignment-SIGNED#page17.tif source=LT183US1-2021-11-09-Assignment-SIGNED#page18.tif	

## ASSIGNMENT

Whereas, the undersigned inventor(s) (hereinafter individually and collectively referred to as "Assignor") has/have invented new and useful improvements in:

### SYSTEM AND METHOD FOR GENERATING BUBBLES IN A VESSEL

For the U.S. Patent Application No. 17/453,476, filed on November 3, 2021;

And whereas, the "Assigned Property" shall mean (i) the above-identified patent application (the "Application"), (ii) all inventions disclosed in the Application, (iii) any and all patent applications throughout the world directed to the subject matter of the Application, including, but not limited, to provisional, non-provisional, international (Patent Cooperation Treaty), continuation, continuation-in-part, division, and reissue applications in the United States or any foreign country, (iv) the right of priority arising from the Application or such other patent applications, under the Paris Convention for the Protection of Industrial Property or under relevant laws, treaties, conventions, or bilateral and multilateral agreements, in any jurisdiction, (v) any and all patents throughout the world resulting from the Application or such other patent applications, and (vi) any and all claims against third parties in connection with any of the rights assigned herein;

And whereas, LanzaTech, Inc., a U.S. company having a mailing address of 8045 Lamon Avenue, Suite 400, Skokie, IL 60077, USA, its successors, and assigns (hereinafter individually and collectively referred to as "Assignee"), are desirous of acquiring Assignor's entire right, title, and interest in and to and resulting from the Assigned Property and, in general, all property rights included therein;

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor does hereby irrevocably and unconditionally assign and transfer unto Assignee Assignor's entire right, title, and interest in and to and resulting from the Assigned Property; Assignee hereby accepts such transfer and assignment;

And Assignor furthermore authorizes Assignee, or anyone it may properly designate, to insert herein the filing date and application number of the Application when known;

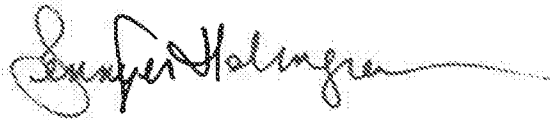
And Assignor agrees, upon request of Assignee, and without further remuneration, but at no expense to Assignor, that Assignor or Assignor's heirs, executors, or administrators will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of legal protection that Assignee desires to obtain, maintain, and assert for the Assigned Property, including executing any and all papers desired by Assignee for the filing and granting of patent rights in the Assigned Property, the perfecting of title, and the enforcing of any rights in the Assigned Property.

This Assignment is executed by and shall be binding upon Assignor and Assignor's heirs, executors, and administrators, for the uses and purposes above set forth and referred to herein and shall inure to the benefit of Assignee or anyone it may properly designate.

If any provision of this Assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law and the remainder of this Assignment shall remain in full force and effect.

This Assignment shall be construed, governed, interpreted, and applied in accordance with the laws of the State of Delaware, United States of America.

EXECUTED on behalf of Assignee and effective as of the latest date of Assignor signature(s) below:



Jennifer Holmgren  
Chief Executive Officer  
LanzaTech, Inc.

EXECUTED as of the date(s) set forth below on behalf of Assignor:

  
Rachel Jane Brenck

Date 11-03-2021  
MM-DD-YYYY

Robert John Conrado

Date \_\_\_\_\_  
MM-DD-YYYY

Joss Anton Coombes

Date \_\_\_\_\_  
MM-DD-YYYY

Elham Ebrahimiagda

Date \_\_\_\_\_  
MM-DD-YYYY

Allan Haiming Gao

Date \_\_\_\_\_  
MM-DD-YYYY

Brian Nelson Horton

Date \_\_\_\_\_  
MM-DD-YYYY

Xueliang Li

Date \_\_\_\_\_  
MM-DD-YYYY

Mayur Sathe

Date \_\_\_\_\_  
MM-DD-YYYY

Curtis Paul Studebaker

Date \_\_\_\_\_  
MM-DD-YYYY

## ASSIGNMENT

Whereas, the undersigned inventor(s) (hereinafter individually and collectively referred to as "Assignor") has/have invented new and useful improvements in:

### SYSTEM AND METHOD FOR GENERATING BUBBLES IN A VESSEL

For the U.S. Patent Application No. 17/453,476, filed on November 3, 2021:

And whereas, the "Assigned Property" shall mean (i) the above-identified patent application (the "Application"), (ii) all inventions disclosed in the Application, (iii) any and all patent applications throughout the world directed to the subject matter of the Application, including, but not limited, to provisional, non-provisional, international (Patent Cooperation Treaty), continuation, continuation-in-part, division, and reissue applications in the United States or any foreign country, (iv) the right of priority arising from the Application or such other patent applications, under the Paris Convention for the Protection of Industrial Property or under relevant laws, treaties, conventions, or bilateral and multilateral agreements, in any jurisdiction, (v) any and all patents throughout the world resulting from the Application or such other patent applications, and (vi) any and all claims against third parties in connection with any of the rights assigned herein;

And whereas, LanzaTech, Inc., a U.S. company having a mailing address of 8045 Lamon Avenue, Suite 400, Skokie, IL 60077, USA, its successors, and assigns (hereinafter individually and collectively referred to as "Assignee"), are desirous of acquiring Assignor's entire right, title, and interest in and to and resulting from the Assigned Property and, in general, all property rights included therein;

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor does hereby irrevocably and unconditionally assign and transfer unto Assignee Assignor's entire right, title, and interest in and to and resulting from the Assigned Property; Assignee hereby accepts such transfer and assignment;

And Assignor furthermore authorizes Assignee, or anyone it may properly designate, to insert herein the filing date and application number of the Application when known;

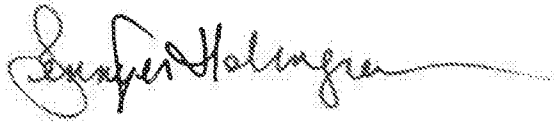
And Assignor agrees, upon request of Assignee, and without further remuneration, but at no expense to Assignor, that Assignor or Assignor's heirs, executors, or administrators will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of legal protection that Assignee desires to obtain, maintain, and assert for the Assigned Property, including executing any and all papers desired by Assignee for the filing and granting of patent rights in the Assigned Property, the perfecting of title, and the enforcing of any rights in the Assigned Property.

This Assignment is executed by and shall be binding upon Assignor and Assignor's heirs, executors, and administrators, for the uses and purposes above set forth and referred to herein and shall inure to the benefit of Assignee or anyone it may properly designate.

If any provision of this Assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law and the remainder of this Assignment shall remain in full force and effect.

This Assignment shall be construed, governed, interpreted, and applied in accordance with the laws of the State of Delaware, United States of America.

EXECUTED on behalf of Assignee and effective as of the latest date of Assignor signature(s) below:



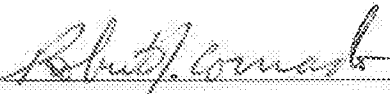
Jennifer Holmgren  
Chief Executive Officer  
LanzaTech, Inc.

EXECUTED as of the date(s) set forth below on behalf of Assignor:

\_\_\_\_\_  
Rachel Jane Brenc

Date

\_\_\_\_\_  
MM-DD-YYYY



\_\_\_\_\_  
Robert John Conrado

Date

11/04/2021

\_\_\_\_\_  
MM-DD-YYYY

\_\_\_\_\_  
Joss Anton Coombes

Date

\_\_\_\_\_  
MM-DD-YYYY

\_\_\_\_\_  
Elham Ebrahimiagda

Date

\_\_\_\_\_  
MM-DD-YYYY

\_\_\_\_\_  
Allan Haiming Gao

Date

\_\_\_\_\_  
MM-DD-YYYY

\_\_\_\_\_  
Brian Nelson Horton

Date

\_\_\_\_\_  
MM-DD-YYYY

\_\_\_\_\_  
Xueliang Li

Date

\_\_\_\_\_  
MM-DD-YYYY

\_\_\_\_\_  
Mayur Sathe

Date

\_\_\_\_\_  
MM-DD-YYYY

\_\_\_\_\_  
Curtis Paul Studebaker

Date

\_\_\_\_\_  
MM-DD-YYYY

## ASSIGNMENT

Whereas, the undersigned inventor(s) (hereinafter individually and collectively referred to as "Assignor") has/have invented new and useful improvements in:

### **SYSTEM AND METHOD FOR GENERATING BUBBLES IN A VESSEL**

For the U.S. Patent Application No. 17/453,476, filed on November 3, 2021;

And whereas, the "Assigned Property" shall mean (i) the above-identified patent application (the "Application"), (ii) all inventions disclosed in the Application, (iii) any and all patent applications throughout the world directed to the subject matter of the Application, including, but not limited, to provisional, non-provisional, international (Patent Cooperation Treaty), continuation, continuation-in-part, division, and reissue applications in the United States or any foreign country, (iv) the right of priority arising from the Application or such other patent applications, under the Paris Convention for the Protection of Industrial Property or under relevant laws, treaties, conventions, or bilateral and multilateral agreements, in any jurisdiction, (v) any and all patents throughout the world resulting from the Application or such other patent applications, and (vi) any and all claims against third parties in connection with any of the rights assigned herein;

And whereas, **LanzaTech, Inc.**, a U.S. company having a mailing address of **8045 Lamon Avenue, Suite 400, Skokie, IL 60077, USA**, its successors, and assigns (hereinafter individually and collectively referred to as "Assignee"), are desirous of acquiring Assignor's entire right, title, and interest in and to and resulting from the Assigned Property and, in general, all property rights included therein;

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor does hereby irrevocably and unconditionally assign and transfer unto Assignee Assignor's entire right, title, and interest in and to and resulting from the Assigned Property; Assignee hereby accepts such transfer and assignment;

And Assignor furthermore authorizes Assignee, or anyone it may properly designate, to insert herein the filing date and application number of the Application when known;

And Assignor agrees, upon request of Assignee, and without further remuneration, but at no expense to Assignor, that Assignor or Assignor's heirs, executors, or administrators will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of legal protection that Assignee desires to obtain, maintain, and assert for the Assigned Property, including executing any and all papers desired by Assignee for the filing and granting of patent rights in the Assigned Property, the perfecting of title, and the enforcing of any rights in the Assigned Property.

This Assignment is executed by and shall be binding upon Assignor and Assignor's heirs, executors, and administrators, for the uses and purposes above set forth and referred to herein and shall inure to the benefit of Assignee or anyone it may properly designate.

If any provision of this Assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law and the remainder of this Assignment shall remain in full force and effect.

This Assignment shall be construed, governed, interpreted, and applied in accordance with the laws of the State of Delaware, United States of America.

EXECUTED on behalf of Assignee and effective as of the latest date of Assignor signature(s) below:

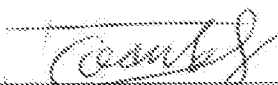


Jennifer Holmgren  
Chief Executive Officer  
LanzaTech, Inc.

EXECUTED as of the date(s) set forth below on behalf of Assignor:

_____	Date _____
Rachel Jane Brenc	MM-DD-YYYY

_____	Date _____
Robert John Conrado	MM-DD-YYYY

	Date <u>11-03-2021</u>
Joss Anton Coombes	MM-DD-YYYY

_____	Date _____
Elham Ebrahimiagda	MM-DD-YYYY

_____	Date _____
Allan Haiming Gao	MM-DD-YYYY

_____	Date _____
Brian Nelson Horton	MM-DD-YYYY

_____	Date _____
Xueliang Li	MM-DD-YYYY

_____	Date _____
Mayur Sathe	MM-DD-YYYY

_____	Date _____
Curtis Paul Studebaker	MM-DD-YYYY



## ASSIGNMENT

Whereas, the undersigned inventor(s) (hereinafter individually and collectively referred to as "Assignor") has/have invented new and useful improvements in:

### SYSTEM AND METHOD FOR GENERATING BUBBLES IN A VESSEL

For the U.S. Patent Application No. 17/453,476, filed on November 3, 2021;

And whereas, the "Assigned Property" shall mean (i) the above-identified patent application (the "Application"), (ii) all inventions disclosed in the Application, (iii) any and all patent applications throughout the world directed to the subject matter of the Application, including, but not limited, to provisional, non-provisional, international (Patent Cooperation Treaty), continuation, continuation-in-part, division, and reissue applications in the United States or any foreign country, (iv) the right of priority arising from the Application or such other patent applications, under the Paris Convention for the Protection of Industrial Property or under relevant laws, treaties, conventions, or bilateral and multilateral agreements, in any jurisdiction, (v) any and all patents throughout the world resulting from the Application or such other patent applications, and (vi) any and all claims against third parties in connection with any of the rights assigned herein;

And whereas, LanzaTech, Inc., a U.S. company having a mailing address of 8045 Lamon Avenue, Suite 400, Skokie, IL 60077, USA, its successors, and assigns (hereinafter individually and collectively referred to as "Assignee"), are desirous of acquiring Assignor's entire right, title, and interest in and to and resulting from the Assigned Property and, in general, all property rights included therein;

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor does hereby irrevocably and unconditionally assign and transfer unto Assignee Assignor's entire right, title, and interest in and to and resulting from the Assigned Property; Assignee hereby accepts such transfer and assignment;

And Assignor furthermore authorizes Assignee, or anyone it may properly designate, to insert herein the filing date and application number of the Application when known;

And Assignor agrees, upon request of Assignee, and without further remuneration, but at no expense to Assignor, that Assignor or Assignor's heirs, executors, or administrators will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of legal protection that Assignee desires to obtain, maintain, and assert for the Assigned Property, including executing any and all papers desired by Assignee for the filing and granting of patent rights in the Assigned Property, the perfecting of title, and the enforcing of any rights in the Assigned Property.

This Assignment is executed by and shall be binding upon Assignor and Assignor's heirs, executors, and administrators, for the uses and purposes above set forth and referred to herein and shall inure to the benefit of Assignee or anyone it may properly designate.

If any provision of this Assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law and the remainder of this Assignment shall remain in full force and effect.

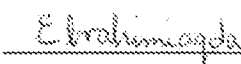
This Assignment shall be construed, governed, interpreted, and applied in accordance with the laws of the State of Delaware, United States of America.

EXECUTED on behalf of Assignee and effective as of the latest date of Assignor signature(s) below:



Jennifer Holmgren  
Chief Executive Officer  
LanzaTech, Inc.

EXECUTED as of the date(s) set forth below on behalf of Assignor:

_____	Date _____
Rachel Jane Brenc	MM-DD-YYYY
_____	Date _____
Robert John Conrado	MM-DD-YYYY
_____	Date _____
Joss Anton Coombes	MM-DD-YYYY
_____	Date _____
	Date 11-02-2021
Elham Ebrahimiagda	MM-DD-YYYY
_____	Date _____
Allan Haiming Gao	MM-DD-YYYY
_____	Date _____
Brian Nelson Horton	MM-DD-YYYY
_____	Date _____
Xueliang Li	MM-DD-YYYY
_____	Date _____
Mayur Sathe	MM-DD-YYYY
_____	Date _____
Curtis Paul Studebaker	MM-DD-YYYY

## ASSIGNMENT

Whereas, the undersigned inventor(s) (hereinafter individually and collectively referred to as "Assignor") has/have invented new and useful improvements in:

### SYSTEM AND METHOD FOR GENERATING BUBBLES IN A VESSEL

For the U.S. Patent Application No. 17/453,476, filed on November 3, 2021;

And whereas, the "Assigned Property" shall mean (i) the above-identified patent application (the "Application"), (ii) all inventions disclosed in the Application, (iii) any and all patent applications throughout the world directed to the subject matter of the Application, including, but not limited, to provisional, non-provisional, international (Patent Cooperation Treaty), continuation, continuation-in-part, division, and reissue applications in the United States or any foreign country, (iv) the right of priority arising from the Application or such other patent applications, under the Paris Convention for the Protection of Industrial Property or under relevant laws, treaties, conventions, or bilateral and multilateral agreements, in any jurisdiction, (v) any and all patents throughout the world resulting from the Application or such other patent applications, and (vi) any and all claims against third parties in connection with any of the rights assigned herein;

And whereas, LanzaTech, Inc., a U.S. company having a mailing address of 8045 Lamon Avenue, Suite 400, Skokie, IL 60077, USA, its successors, and assigns (hereinafter individually and collectively referred to as "Assignee"), are desirous of acquiring Assignor's entire right, title, and interest in and to and resulting from the Assigned Property and, in general, all property rights included therein;

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor does hereby irrevocably and unconditionally assign and transfer unto Assignee Assignor's entire right, title, and interest in and to and resulting from the Assigned Property; Assignee hereby accepts such transfer and assignment;

And Assignor furthermore authorizes Assignee, or anyone it may properly designate, to insert herein the filing date and application number of the Application when known;

And Assignor agrees, upon request of Assignee, and without further remuneration, but at no expense to Assignor, that Assignor or Assignor's heirs, executors, or administrators will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of legal protection that Assignee desires to obtain, maintain, and assert for the Assigned Property, including executing any and all papers desired by Assignee for the filing and granting of patent rights in the Assigned Property, the perfecting of title, and the enforcing of any rights in the Assigned Property.

This Assignment is executed by and shall be binding upon Assignor and Assignor's heirs, executors, and administrators, for the uses and purposes above set forth and referred to herein and shall inure to the benefit of Assignee or anyone it may properly designate.

If any provision of this Assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law and the remainder of this Assignment shall remain in full force and effect.


This Assignment shall be construed, governed, interpreted, and applied in accordance with the laws of the State of Delaware, United States of America.

EXECUTED on behalf of Assignee and effective as of the latest date of Assignor signature(s) below:



Jennifer Holmgren  
Chief Executive Officer  
LanzaTech, Inc.

EXECUTED as of the date(s) set forth below on behalf of Assignor:

_____	Date _____
Rachel Jane Brenc	MM-DD-YYYY
_____	Date _____
Robert John Conrado	MM-DD-YYYY
_____	Date _____
Joss Anton Coombes	MM-DD-YYYY
_____	Date _____
Elham Ebrahimiagda	MM-DD-YYYY
_____	Date <u>11-03-2021</u>
 Allan Haiming Gao	MM-DD-YYYY
_____	Date _____
Brian Nelson Horton	MM-DD-YYYY
_____	Date _____
Xueliang Li	MM-DD-YYYY
_____	Date _____
Mayur Sathe	MM-DD-YYYY
_____	Date _____
Curtis Paul Studebaker	MM-DD-YYYY

## ASSIGNMENT

Whereas, the undersigned inventor(s) (hereinafter individually and collectively referred to as "Assignor") has/have invented new and useful improvements in:

### SYSTEM AND METHOD FOR GENERATING BUBBLES IN A VESSEL

For the U.S. Patent Application No. 17/453,476, filed on November 3, 2021;

And whereas, the "Assigned Property" shall mean (i) the above-identified patent application (the "Application"), (ii) all inventions disclosed in the Application, (iii) any and all patent applications throughout the world directed to the subject matter of the Application, including, but not limited, to provisional, non-provisional, international (Patent Cooperation Treaty), continuation, continuation-in-part, division, and reissue applications in the United States or any foreign country, (iv) the right of priority arising from the Application or such other patent applications, under the Paris Convention for the Protection of Industrial Property or under relevant laws, treaties, conventions, or bilateral and multilateral agreements, in any jurisdiction, (v) any and all patents throughout the world resulting from the Application or such other patent applications, and (vi) any and all claims against third parties in connection with any of the rights assigned herein;

And whereas, LanzaTech, Inc., a U.S. company having a mailing address of 8045 Lamon Avenue, Suite 400, Skokie, IL 60077, USA, its successors, and assigns (hereinafter individually and collectively referred to as "Assignee"), are desirous of acquiring Assignor's entire right, title, and interest in and to and resulting from the Assigned Property and, in general, all property rights included therein;

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor does hereby irrevocably and unconditionally assign and transfer unto Assignee Assignor's entire right, title, and interest in and to and resulting from the Assigned Property; Assignee hereby accepts such transfer and assignment;

And Assignor furthermore authorizes Assignee, or anyone it may properly designate, to insert herein the filing date and application number of the Application when known;


And Assignor agrees, upon request of Assignee, and without further remuneration, but at no expense to Assignor, that Assignor or Assignor's heirs, executors, or administrators will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of legal protection that Assignee desires to obtain, maintain, and assert for the Assigned Property, including executing any and all papers desired by Assignee for the filing and granting of patent rights in the Assigned Property, the perfecting of title, and the enforcing of any rights in the Assigned Property.

This Assignment is executed by and shall be binding upon Assignor and Assignor's heirs, executors, and administrators, for the uses and purposes above set forth and referred to herein and shall inure to the benefit of Assignee or anyone it may properly designate.

If any provision of this Assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law and the remainder of this Assignment shall remain in full force and effect.

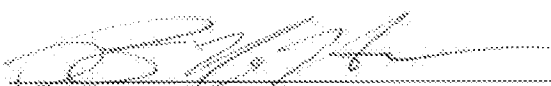
This Assignment shall be construed, governed, interpreted, and applied in accordance with the laws of the State of Delaware, United States of America.

EXECUTED on behalf of Assignee and effective as of the latest date of Assignor signature(s) below:



Jennifer Holmgren  
Chief Executive Officer  
LanzaTech, Inc.

EXECUTED as of the date(s) set forth below on behalf of Assignor:

_____	Date _____
Rachel Jane Brenc	MM-DD-YYYY
_____	Date _____
Robert John Conrado	MM-DD-YYYY
_____	Date _____
Joss Anton Coombes	MM-DD-YYYY
_____	Date _____
Elham Ebrahimiagda	MM-DD-YYYY
_____	Date _____
Allan Haiming Gao	MM-DD-YYYY
_____	Date _____
	Date <u>November 3, 2021</u>
Brian Nelson Horton	MM-DD-YYYY
_____	Date _____
Xueliang Li	MM-DD-YYYY
_____	Date _____
Mayur Sathe	MM-DD-YYYY
_____	Date _____
Curtis Paul Studebaker	MM-DD-YYYY

## ASSIGNMENT

Whereas, the undersigned inventor(s) (hereinafter individually and collectively referred to as "Assignor") has/have invented new and useful improvements in:

### SYSTEM AND METHOD FOR GENERATING BUBBLES IN A VESSEL

For the U.S. Patent Application No. 17/453,476, filed on November 3, 2021.

And whereas, the "Assigned Property" shall mean (i) the above-identified patent application (the "Application"), (ii) all inventions disclosed in the Application, (iii) any and all patent applications throughout the world directed to the subject matter of the Application, including, but not limited, to provisional, non-provisional, international (Patent Cooperation Treaty), continuation, continuation-in-part, division, and reissue applications in the United States or any foreign country, (iv) the right of priority arising from the Application or such other patent applications, under the Paris Convention for the Protection of Industrial Property or under relevant laws, treaties, conventions, or bilateral and multilateral agreements, in any jurisdiction, (v) any and all patents throughout the world resulting from the Application or such other patent applications, and (vi) any and all claims against third parties in connection with any of the rights assigned herein;

And whereas, LanzaTech, Inc., a U.S. company having a mailing address of 8045 Lamon Avenue, Suite 400, Skokie, IL 60077, USA, its successors, and assigns (hereinafter individually and collectively referred to as "Assignee"), are desirous of acquiring Assignor's entire right, title, and interest in and to and resulting from the Assigned Property and, in general, all property rights included therein;

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor does hereby irrevocably and unconditionally assign and transfer unto Assignee Assignor's entire right, title, and interest in and to and resulting from the Assigned Property; Assignee hereby accepts such transfer and assignment;

And Assignor furthermore authorizes Assignee, or anyone it may properly designate, to insert herein the filing date and application number of the Application when known;

And Assignor agrees, upon request of Assignee, and without further remuneration, but at no expense to Assignor, that Assignor or Assignor's heirs, executors, or administrators will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of legal protection that Assignee desires to obtain, maintain, and assert for the Assigned Property, including executing any and all papers desired by Assignee for the filing and granting of patent rights in the Assigned Property, the perfecting of title, and the enforcing of any rights in the Assigned Property.

This Assignment is executed by and shall be binding upon Assignor and Assignor's heirs, executors, and administrators, for the uses and purposes above set forth and referred to herein and shall inure to the benefit of Assignee or anyone it may properly designate.

If any provision of this Assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law and the remainder of this Assignment shall remain in full force and effect.

This Assignment shall be construed, governed, interpreted, and applied in accordance with the laws of the State of Delaware, United States of America.

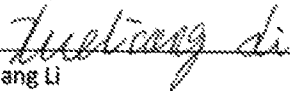
LT183U51

EXECUTED on behalf of Assignee and effective as of the latest date of Assignor signature(s) below:



Jennifer Holmgren  
Chief Executive Officer  
LanzaTech, Inc.

EXECUTED as of the date(s) set forth below on behalf of Assignor:

_____	Date _____
Rachel Jane Brenc	MM-DD-YYYY
_____	Date _____
Robert John Conrado	MM-DD-YYYY
_____	Date _____
Joss Anton Coombes	MM-DD-YYYY
_____	Date _____
Elham Ebrahimiagda	MM-DD-YYYY
_____	Date _____
Allan Haiming Gao	MM-DD-YYYY
_____	Date _____
Brian Nelson Horton	MM-DD-YYYY
_____	Date _____
 Xueliang Li	Date <u>11-03-2021</u> MM-DD-YYYY
_____	Date _____
Mayur Sathe	MM-DD-YYYY
_____	Date _____
Curtis Paul Studebaker	MM-DD-YYYY



## ASSIGNMENT

Whereas, the undersigned inventor(s) (hereinafter individually and collectively referred to as "Assignor") has/have invented new and useful improvements in:

### **SYSTEM AND METHOD FOR GENERATING BUBBLES IN A VESSEL**

For the U.S. Patent Application No. 17/453,476, filed on November 3, 2021;

And whereas, the "Assigned Property" shall mean (i) the above-identified patent application (the "Application"), (ii) all inventions disclosed in the Application, (iii) any and all patent applications throughout the world directed to the subject matter of the Application, including, but not limited, to provisional, non-provisional, international (Patent Cooperation Treaty), continuation, continuation-in-part, division, and reissue applications in the United States or any foreign country, (iv) the right of priority arising from the Application or such other patent applications, under the Paris Convention for the Protection of Industrial Property or under relevant laws, treaties, conventions, or bilateral and multilateral agreements, in any jurisdiction, (v) any and all patents throughout the world resulting from the Application or such other patent applications, and (vi) any and all claims against third parties in connection with any of the rights assigned herein;

And whereas, **LanzaTech, Inc.**, a U.S. company having a mailing address of **8045 Lamon Avenue, Suite 400, Skokie, IL 60077, USA**, its successors, and assigns (hereinafter individually and collectively referred to as "Assignee"), are desirous of acquiring Assignor's entire right, title, and interest in and to and resulting from the Assigned Property and, in general, all property rights included therein;

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor does hereby irrevocably and unconditionally assign and transfer unto Assignee Assignor's entire right, title, and interest in and to and resulting from the Assigned Property; Assignee hereby accepts such transfer and assignment;

And Assignor furthermore authorizes Assignee, or anyone it may properly designate, to insert herein the filing date and application number of the Application when known;

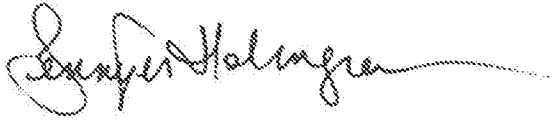
And Assignor agrees, upon request of Assignee, and without further remuneration, but at no expense to Assignor, that Assignor or Assignor's heirs, executors, or administrators will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of legal protection that Assignee desires to obtain, maintain, and assert for the Assigned Property, including executing any and all papers desired by Assignee for the filing and granting of patent rights in the Assigned Property, the perfecting of title, and the enforcing of any rights in the Assigned Property.

This Assignment is executed by and shall be binding upon Assignor and Assignor's heirs, executors, and administrators, for the uses and purposes above set forth and referred to herein and shall inure to the benefit of Assignee or anyone it may properly designate.

If any provision of this Assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law and the remainder of this Assignment shall remain in full force and effect.

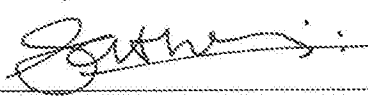
This Assignment shall be construed, governed, interpreted, and applied in accordance with the laws of the State of Delaware, United States of America.

EXECUTED on behalf of Assignee and effective as of the latest date of Assignor signature(s) below:



Jennifer Holmgren  
Chief Executive Officer  
LanzaTech, Inc.

EXECUTED as of the date(s) set forth below on behalf of Assignor:

_____	Date _____
Rachel Jane Brenc	MM-DD-YYYY
_____	Date _____
Robert John Conrado	MM-DD-YYYY
_____	Date _____
Joss Anton Coombes	MM-DD-YYYY
_____	Date _____
Elham Ebrahimiagda	MM-DD-YYYY
_____	Date _____
Allan Haiming Gao	MM-DD-YYYY
_____	Date _____
Brian Nelson Horton	MM-DD-YYYY
_____	Date _____
Xueliang Li	MM-DD-YYYY
	Date 11-03-2021
Mayur Sathe	MM-DD-YYYY
_____	Date _____
Curtis Paul Studebaker	MM-DD-YYYY

## ASSIGNMENT

Whereas, the undersigned inventor(s) (hereinafter individually and collectively referred to as "Assignor") has/have invented new and useful improvements in:

### **SYSTEM AND METHOD FOR GENERATING BUBBLES IN A VESSEL**

For the U.S. Patent Application No. **17/453,476**, filed on **November 3, 2021**;

And whereas, the "Assigned Property" shall mean (i) the above-identified patent application (the "Application"), (ii) all inventions disclosed in the Application, (iii) any and all patent applications throughout the world directed to the subject matter of the Application, including, but not limited, to provisional, non-provisional, international (Patent Cooperation Treaty), continuation, continuation-in-part, division, and reissue applications in the United States or any foreign country, (iv) the right of priority arising from the Application or such other patent applications, under the Paris Convention for the Protection of Industrial Property or under relevant laws, treaties, conventions, or bilateral and multilateral agreements, in any jurisdiction, (v) any and all patents throughout the world resulting from the Application or such other patent applications, and (vi) any and all claims against third parties in connection with any of the rights assigned herein;

And whereas, **LanzaTech, Inc.**, a U.S. company having a mailing address of **8045 Lamon Avenue, Suite 400, Skokie, IL 60077, USA**, its successors, and assigns (hereinafter individually and collectively referred to as "Assignee"), are desirous of acquiring Assignor's entire right, title, and interest in and to and resulting from the Assigned Property and, in general, all property rights included therein;

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor does hereby irrevocably and unconditionally assign and transfer unto Assignee Assignor's entire right, title, and interest in and to and resulting from the Assigned Property; Assignee hereby accepts such transfer and assignment;

And Assignor furthermore authorizes Assignee, or anyone it may properly designate, to insert herein the filing date and application number of the Application when known;

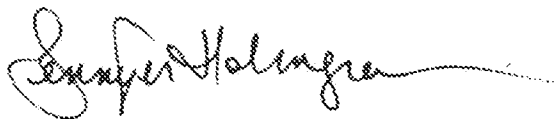
And Assignor agrees, upon request of Assignee, and without further remuneration, but at no expense to Assignor, that Assignor or Assignor's heirs, executors, or administrators will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of legal protection that Assignee desires to obtain, maintain, and assert for the Assigned Property, including executing any and all papers desired by Assignee for the filing and granting of patent rights in the Assigned Property, the perfecting of title, and the enforcing of any rights in the Assigned Property.

This Assignment is executed by and shall be binding upon Assignor and Assignor's heirs, executors, and administrators, for the uses and purposes above set forth and referred to herein and shall inure to the benefit of Assignee or anyone it may properly designate.

If any provision of this Assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law and the remainder of this Assignment shall remain in full force and effect.

This Assignment shall be construed, governed, interpreted, and applied in accordance with the laws of the State of Delaware, United States of America.

EXECUTED on behalf of Assignee and effective as of the latest date of Assignor signature(s) below:



Jennifer Holmgren  
Chief Executive Officer  
LanzaTech, Inc.

EXECUTED as of the date(s) set forth below on behalf of Assignor:

\_\_\_\_\_  
Rachel Jane Brenc

Date

\_\_\_\_\_  
MM-DD-YYYY

\_\_\_\_\_  
Robert John Conrado

Date

\_\_\_\_\_  
MM-DD-YYYY

\_\_\_\_\_  
Joss Anton Coombes

Date

\_\_\_\_\_  
MM-DD-YYYY

\_\_\_\_\_  
Elham Ebrahimiagda

Date

\_\_\_\_\_  
MM-DD-YYYY

\_\_\_\_\_  
Allan Haiming Gao

Date

\_\_\_\_\_  
MM-DD-YYYY

\_\_\_\_\_  
Brian Nelson Horton

Date

\_\_\_\_\_  
MM-DD-YYYY

\_\_\_\_\_  
Xueliang Li

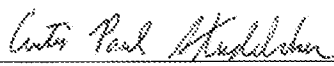
Date

\_\_\_\_\_  
MM-DD-YYYY

\_\_\_\_\_  
Mayur Sathe

Date

\_\_\_\_\_  
MM-DD-YYYY

  
\_\_\_\_\_  
Curtis Paul Studebaker

Date 11-09-2021

\_\_\_\_\_  
MM-DD-YYYY