

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7031425

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
THOMAS HANLON	09/15/2020
RALPH YAMAMOTO	09/22/2020
DENISE K. KWOK	01/08/2021
DANIEL ROTHENBERG	09/22/2020
ANDREW M. WOOD	09/14/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AXCELLA HEALTH INC.
<b>Street Address:</b>	840 MEMORIAL DRIVE, 3RD FLOOR
<b>City:</b>	CAMBRIDGE
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02139
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16446171
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)395-7070
<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>	(617) 395-7043
<b>Email:</b>	JWDPatents@lalaw.com
<b>Correspondent Name:</b>	LANDO & ANASTASI, LLP
<b>Address Line 1:</b>	60 STATE STREET, 23RD FLOOR
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02109
<b>ATTORNEY DOCKET NUMBER:</b>	A2169-701410
<b>NAME OF SUBMITTER:</b>	JOSEPH W. DEPALMA
<b>SIGNATURE:</b>	/XXX/
<b>DATE SIGNED:</b>	11/18/2021
<b>Total Attachments: 7</b>	
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**ASSIGNMENT**

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, We, the undersigned Thomas Hanlon; Ralph Yamamoto; Denise K. Kwok; Daniel Rothenberg; and Andrew M. Wood of Concord, Massachusetts; Woburn, Massachusetts; Arlington, Massachusetts; and Newtown, Pennsylvania, respectively, hereby:

Sell, assign and transfer to AXCELLA HEALTH INC., a Delaware corporation having a place of business at 840 Memorial Drive, 3rd Floor, Cambridge, Massachusetts 02139, its successors, assigns and legal representatives, all hereinafter referred to as said Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in an application for Letters Patent filed in the United States Patent and Trademark Office as the Receiving Office on:

June 19, 2019

ENTER FILING DATE ABOVE

under Application Serial No. PCT/US2019/037902 and

Entitled METHODS OF MANUFACTURING AMINO ACID COMPOSITIONS,

and

June 19, 2019

ENTER FILING DATE ABOVE

under Application Serial No. 16/446,171 and

Entitled METHODS OF MANUFACTURING AMINO ACID COMPOSITIONS,

and in and to said application and all continuing, divisional, continuation-in-part, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on said any and all inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said any and all inventions including the right to apply for patent rights in each foreign country and all rights to priority; and further including any right to sue for past infringement;

Appoint, authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting in the spaces provided above the filing date and serial number of said application when known;

Agree that said Assignee may apply for and receive Letters Patent for said any and all inventions in its own name; and when requested, without charge to but at the expense of said Assignee, We agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on said any and all inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to relating to said any and all inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said any and all inventions and for vesting title to said any and all inventions and all applications for patents and all patents on said inventions, in said Assignee;

Request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee; and

Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

Said Assignee does hereby acknowledge and accept the above sale, assignment and transfer of all the rights, title and interest enumerated above, including but not limited to the right to priority and the right to sue for past infringement.

By: AXCELLA HEALTH INC.

27 November 2020

Date



Signature

Paul Fehlner

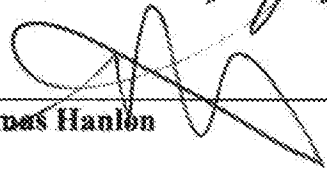
Printed Name of Signor

SVP, Chief Legal Officer and Corporate Secretary


Title/Authority of Signor

Docket No.: A2169-7014WO and A2169-701410  
(ESS-108.WO and ESS-108.US)  
Assignment- Page 3 of 7

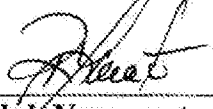
Executed this 15 day of September, 2020

BY   
Thomas Hanlon

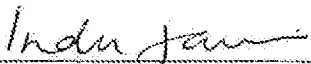
Witnessed by:

  
Name: STEPHANIE LEDNE  
Address: 1172 OLD MARLBORO RD  
CONCORD MA 01742

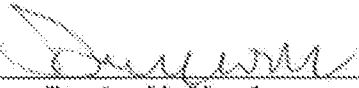
Executed this 22 day of September, 2020

BY   
Ralph Yamamoto

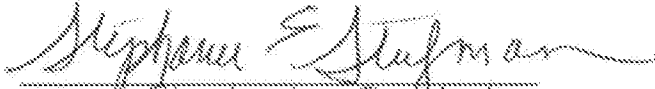
Witnessed by:

  
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Address: 205 Lowell Street, Suite 1C  
Wilmington, MA 01887

Executed this 8 day of JAN, 2021.

BY   
Denise K. Kwok


Witnessed by:



Name: Stephanie E Stutzmann

Address: 60 State Street, Floor 23, Boston, MA

Executed this 22 day of September, 2020.

BY   
Daniel Rothenberg

Witnessed by:




Name: Carolyn McCrone

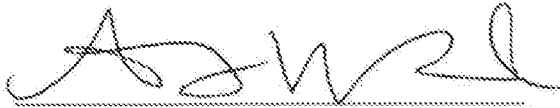
Address: 53 Kelly Rd #2, Cambridge MA 02139



Executed this 14 day of September, 2020.

BY   
Andrew M. Wood

Witnessed by:



Name: Amy Wood

Address: 25 Sunset Rd. Concord, MA 01742