

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6177062

|   |                                  |                       |
|---|----------------------------------|-----------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                   |                       |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                       |                       |
| <b>CONVEYING PARTY DATA</b>   |                                  |                       |
|   | <b>Name</b>                      | <b>Execution Date</b> |
|   | LONZA, LLC                       | 03/01/2020            |
| <b>RECEIVING PARTY DATA</b>   |                                  |                       |
| <b>Name:</b>  | LONZA AMERICA INC.               |                       |
| <b>Street Address:</b>  | 412 MT. KEMBLE AVENUE            |                       |
| <b>City:</b>  | MORRISTOWN                       |                       |
| <b>State/Country:</b>   | NEW JERSEY                       |                       |
| <b>Postal Code:</b>   | 07960                            |                       |
| <b>PROPERTY NUMBERS Total: 10</b>   |                                  |                       |
| <b>Property Type</b>  | <b>Number</b>                    |                       |
| <b>Application Number:</b>  | 14736775                         |                       |
| <b>Application Number:</b>  | 15548829                         |                       |
| <b>Application Number:</b>  | 15381731                         |                       |
| <b>PCT Number:</b>  | US2018047267                     |                       |
| <b>Application Number:</b>  | 16106348                         |                       |
| <b>PCT Number:</b>  | US2018049117                     |                       |
| <b>Application Number:</b>  | 16118645                         |                       |
| <b>PCT Number:</b>  | US2019041953                     |                       |
| <b>Application Number:</b>  | 16665774                         |                       |
| <b>PCT Number:</b>  | US2019058353                     |                       |
| <b>CORRESPONDENCE DATA</b>  |                                  |                       |
| <b>Fax Number:</b>  |                                  |                       |
| <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>Email:</b>   | docketing@dority-manning.com     |                       |
| <b>Correspondent Name:</b>  | DORITY & MANNING P.A.            |                       |
| <b>Address Line 1:</b>  | PO BOX 1449                      |                       |
| <b>Address Line 4:</b>  | GREENVILLE, SOUTH CAROLINA 29602 |                       |
| <b>ATTORNEY DOCKET NUMBER:</b>  | LZA-208-M                        |                       |
| <b>NAME OF SUBMITTER:</b>   | ALEXA J. HUNTER                  |                       |

|   |                   |
|---|-------------------|
| <b>SIGNATURE:</b>   | /alexa j. hunter/ |
| <b>DATE SIGNED:</b>   | 06/29/2020        |
| <b>Total Attachments: 8</b><br>source=Assignment_LONZA-AMERICA-INC#page1.tif<br>source=Assignment_LONZA-AMERICA-INC#page2.tif<br>source=Assignment_LONZA-AMERICA-INC#page3.tif<br>source=Assignment_LONZA-AMERICA-INC#page4.tif<br>source=Assignment_LONZA-AMERICA-INC#page5.tif<br>source=Assignment_LONZA-AMERICA-INC#page6.tif<br>source=Assignment_LONZA-AMERICA-INC#page7.tif<br>source=Assignment_LONZA-AMERICA-INC#page8.tif |                   |

## ASSIGNMENT OF U.S. AND NON-U.S. PATENT RIGHTS

THIS ASSIGNMENT OF U.S. AND NON-U.S. PATENT RIGHTS (this "Assignment"), made as of March 1, 2020, is entered into by and between LONZA, LLC, a Delaware Limited Liability Company, having an office located at 412 Mt. Kemble Avenue, Suite 200S, Morristown, NJ 07960 ("Assignor") and LONZA AMERICA INC., a Delaware Corporation, having an office located at 412 Mt. Kemble Avenue, Suite 200S, Morristown, NJ 07960 ("Assignee").

**WHEREAS**, Assignor and Assignee are party to that certain Asset Distribution Agreement, dated March 1, 2020 (the "Asset Agreement"), pursuant to which Assignor agreed to assign, transfer, convey, and deliver certain assets to Assignee, including all of Assignor's right, title, and interest in and to the patents and patent applications identified on Schedule A hereto and the inventions captured in those patents and patent applications (the "Assigned Patents");

**NOW THEREFORE**, in consideration of the promises and the mutual covenants and agreements contained herein, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by both Assignor and Assignee, Assignor and Assignee hereby agree as follows:

1. Definitions. Capitalized terms used but not defined herein shall have the meanings accorded to them in the Asset Agreement.

2. Assignment. Assignor hereby conveys, assigns, delivers, and transfers to Assignee all of Assignor's right, title and interest in and to the Assigned Patents, including (i) any and all rights of priority thereto and renewals thereof; (ii) all patents and patent applications to which any of the Assigned Patents claim priority and all patents and patent applications claiming priority to any of the foregoing; and (iii) the right to sue and recover for past, present, and future infringements of the foregoing, and Assignee hereby accepts the foregoing sale, conveyance, assignment, delivery, and transfer from Assignor.

3. Authority. The officer that executes this Assignment on behalf of Assignor is authorized to bind and obligate each of the entities defined herein as part of Assignor. The officer that executes this Assignment on behalf of Assignee is authorized to bind and obligate the entity defined herein as Assignee.

4. Recordation. This Assignment is executed and delivered by Assignor to the Assignee with the intention of Assignee recording this Assignment with the U.S. Patent and Trademark Office and any non-U.S. patent offices.

5. Further Assurances. Both parties hereto covenant and agree to prepare, execute, acknowledge, file, record, publish, and deliver to the other party hereto such other instruments, documents, and statements, and take such other action as may be reasonably requested in the discretion of the requesting party to carry out more effectively the purposes of this Assignment, including, without limitation, the recordation of this Assignment, or a suitable form hereof, in any patent and/or trademark office or other similar governmental authority, in each relevant jurisdiction. Each party shall pay its own costs incurred to comply with such request.

6. Merger Clause. Nothing in this Assignment, express or implied, is intended to or shall be construed to supersede, modify, replace, amend, rescind, waive, expand, or limit in any way the rights of the parties under, or the terms of, the Asset Agreement. To the extent that any provision of this Assignment conflicts or is inconsistent with the terms of the Asset Agreement, the Asset Agreement shall govern.

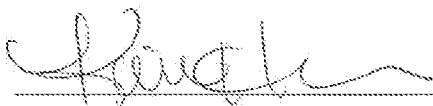
7. Governing Law. This Assignment shall be governed by, and construed in accordance with, the laws of the U.S. in respect of patent issues and in all other respects by the laws of the State of Delaware, without regard to its conflicts of laws rules.

8. Counterparts. This Assignment may be executed in one or more counterparts (including by facsimile or electronic .pdf submission), each of which shall be deemed to be an original and all of which shall be deemed to constitute the same agreement.

IN WITNESS WHEREOF, Assignor and Assignee have executed this Assignment as of the date first written above.

ASSIGNOR

LONZA, LLC

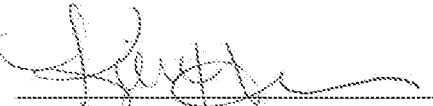
By 

Name: Kimberly Cox Havelson

Title: President

ASSIGNEE

LONZA AMERICA INC.

By 

Name: Kimberly Cox Havelson

Title: President

CERTIFICATE OF ACKNOWLEDGMENT

STATE OF New Jersey  
COUNTY OF Morris ss.:

On this 2 day of March 2020, before me personally came Kim Harrelson, personally known to me or proved to me on the basis of satisfactory evidence) to be the person who executed the foregoing instrument, and who, being duly sworn by me, did depose and say that he/she is the President of Lonza LLC, and that he/she executed the foregoing Assignment on behalf of Assignor, and that he/she had authority to sign the same, and he/she acknowledged to me that he/she executed the same as the act and deed of Assignor for the uses and purposes mentioned within the Assignment.

Allison Jablonski  
NOTARY PUBLIC  
State of New Jersey  
ID #5007059  
My Commission Expires 10/30/2022

Allison Jablonski  
Notary Public - State of New Jersey  
Printed Name Allison Jablonski

My commission expires:

10.30.2022

CERTIFICATE OF ACKNOWLEDGMENT

STATE OF New Jersey  
COUNTY OF Morris ss.:

On this 2 day of March 2020, before me personally came Kim Harrelson, personally known to me or proved to me on the basis of satisfactory evidence) to be the person who executed the foregoing instrument, and who, being duly sworn by me, did depose and say that he/she is the President of Lonza America Inc., and that he/she executed the foregoing Assignment on behalf of Assignor, and that he/she had authority to sign the same, and he/she acknowledged to me that he/she executed the same as the act and deed of Assignor for the uses and purposes mentioned within the Assignment.

Allison Jablonski  
NOTARY PUBLIC  
State of New Jersey  
ID #5007059  
My Commission Expires 10/30/2022

Allison J. Jablonski  
Notary Public - State of New Jersey  
Printed Name Allison Jablonski

My commission expires:

10.30.2022

**SCHEDULE A  
ASSIGNED PATENTS**

| Title   | Country                     | Status  | Appl. Date | Appl. No.       | Reg. Date | Reg. No. |
|---|-----------------------------|---------|------------|-----------------|-----------|----------|
| METHOD FOR DECREASING SKELETAL MUSCLE DAMAGE AND/OR OXIDATIVE STRESS IN MAMMALS | Brazil                      | PENDING | 6/11/2015  | BR1120160286545 |           |          |
| METHOD FOR DECREASING SKELETAL MUSCLE DAMAGE AND/OR OXIDATIVE STRESS IN MAMMALS | Canada                      | PENDING | 6/11/2015  | 2951567         |           |          |
| METHOD FOR DECREASING SKELETAL MUSCLE DAMAGE AND/OR OXIDATIVE STRESS IN MAMMALS | European Patent Application | PENDING | 6/11/2015  | 15731207.5      |           |          |
| METHOD FOR DECREASING SKELETAL MUSCLE DAMAGE AND/OR OXIDATIVE STRESS IN MAMMALS | Japan                       | PENDING | 6/11/2015  | 2016-572631     |           |          |
| METHOD FOR DECREASING SKELETAL MUSCLE DAMAGE AND/OR OXIDATIVE STRESS IN MAMMALS | United States               | GRANTED | 6/11/2015  | 14/736775       | 7/10/2018 | 10016382 |
| TRIMETHYLAMINE-N-OXIDE PRODUCING AGENT FOR TREATING ATHEROMA FORMATION          | Australia                   | PENDING | 2/5/2016   | 2016215101      |           |          |
| TRIMETHYLAMINE-N-OXIDE PRODUCING AGENT FOR TREATING ATHEROMA FORMATION          | Canada                      | PENDING | 2/5/2016   | 2976061         |           |          |
| TRIMETHYLAMINE-N-OXIDE PRODUCING AGENT FOR TREATING ATHEROMA FORMATION          | European Patent Application | PENDING | 2/5/2016   | 16706474.0      |           |          |
| TRIMETHYLAMINE-N-OXIDE PRODUCING AGENT FOR TREATING ATHEROMA FORMATION          | Japan                       | PENDING | 2/5/2016   | 2017-541650     |           |          |

| Title   | Country                        | Status  | Appl. Date | Appl. No.       | Reg. Date | Reg. No. |
|---|--------------------------------|---------|------------|-----------------|-----------|----------|
| TRIMETHYLAMINE-N-OXIDE<br>PRODUCING AGENT FOR TREATING<br>ATHEROMA FORMATION                                  | Korea, Republic of             | PENDING | 2/5/2016   | 10-2017-7025015 |           |          |
| TRIMETHYLAMINE-N-OXIDE<br>PRODUCING AGENT FOR TREATING<br>ATHEROMA FORMATION                                  | United States                  | PENDING | 2/5/2016   | 15/548829       |           |          |
| METHOD AND COMPOSITION FOR<br>INCREASING MUSCLE PROTEIN<br>SYNTHESIS AND/OR FUNCTIONAL<br>STRENGTH IN MAMMALS | Brazil                         | PENDING | 12/16/2016 | 1120180124109   |           |          |
| METHOD AND COMPOSITION FOR<br>INCREASING MUSCLE PROTEIN<br>SYNTHESIS AND/OR FUNCTIONAL<br>STRENGTH IN MAMMALS | Canada                         | PENDING | 12/16/2016 | 3008033         |           |          |
| METHOD AND COMPOSITION FOR<br>INCREASING MUSCLE PROTEIN<br>SYNTHESIS AND/OR FUNCTIONAL<br>STRENGTH IN MAMMALS | European Patent<br>Application | PENDING | 12/16/2016 | 16831665.1      |           |          |
| METHOD AND COMPOSITION FOR<br>INCREASING MUSCLE PROTEIN<br>SYNTHESIS AND/OR FUNCTIONAL<br>STRENGTH IN MAMMALS | Japan                          | PENDING | 12/16/2016 | 2018-532036     |           |          |
| METHOD AND COMPOSITION FOR<br>INCREASING MUSCLE PROTEIN<br>SYNTHESIS AND/OR FUNCTIONAL<br>STRENGTH IN MAMMALS | United States                  | PENDING | 12/16/2016 | 15/381731       |           |          |
| BIOPHARMACEUTICAL BATCH<br>RECIPE REVIEW BY EXCEPTION   | China                          | PENDING | 8/10/2017  | 201780056806.4  |           |          |
| BIOPHARMACEUTICAL BATCH<br>RECIPE REVIEW BY EXCEPTION   | European Patent<br>Application | PENDING | 8/10/2017  | 17840279.8      |           |          |



| Title  | Country                        | Status                 | Appl. Date | Appl. No.                                   | Reg. Date | Reg. No. |
|--|--------------------------------|------------------------|------------|---|-----------|----------|
| BIOPHARMACEUTICAL BATCH<br>RECIPE REVIEW BY EXCEPTION    | Israel                         | PENDING                | 8/10/2017  | 264572                                      |           |          |
| BIOPHARMACEUTICAL BATCH<br>RECIPE REVIEW BY EXCEPTION    | Japan                          | PENDING                | 8/10/2017  | 2019-507746                                 |           |          |
| BIOPHARMACEUTICAL BATCH<br>RECIPE REVIEW BY EXCEPTION    | Korea, Republic of             | PENDING                | 8/10/2017  | 10-2019-7006999                             |           |          |
| BIOPHARMACEUTICAL BATCH<br>RECIPE REVIEW BY EXCEPTION    | United States                  | PENDING                | 8/10/2017  | 16/324156                                   |           |          |
| COMPOSITION AND NUTRITIONAL<br>SUPPLEMENT MADE THEREFROM | PCT Application                | PENDING                | 8/21/2018  | PCT/US2018/047267                           |           |          |
| COMPOSITION AND NUTRITIONAL<br>SUPPLEMENT MADE THEREFROM | Brazil                         | Pending/To<br>be filed | TBD        | TBD/ Priority claim to<br>PCT/US2018/047267 |           |          |
| COMPOSITION AND NUTRITIONAL<br>SUPPLEMENT MADE THEREFROM | China                          | Pending/To<br>be filed | TBD        | TBD/ Priority claim to<br>PCT/US2018/047267 |           |          |
| COMPOSITION AND NUTRITIONAL<br>SUPPLEMENT MADE THEREFROM | European Patent<br>Application | To be Filed            | TBD        | TBD/ Priority claim to<br>PCT/US2018/047267 |           |          |
| COMPOSITION AND NUTRITIONAL<br>SUPPLEMENT MADE THEREFROM | Japan                          | Pending/to<br>be filed | TBD        | TBD/ Priority claim to<br>PCT/US2018/047267 |           |          |
| COMPOSITION AND NUTRITIONAL<br>SUPPLEMENT MADE THEREFROM | United States                  | PENDING                | 8/21/2018  | 16/106348                                   |           |          |

| Title  | Country                     | Status      | Appl. Date | Appl. No.                                | Reg. Date | Reg. No. |
|--|-----------------------------|-------------|------------|--|-----------|----------|
| HEALTH PROMOTING COMPOSITION AND METHODS OF USE SUPPLEMENT             | PCT Application             | PENDING     | 8/31/2018  | PCT/US2018/049117                        |           |          |
| HEALTH PROMOTING COMPOSITION AND METHODS OF USE SUPPLEMENT             | Brazil                      | To be filed | TBD        | TBD/ Priority claim to PCT/US2018/049117 |           |          |
| HEALTH PROMOTING COMPOSITION AND METHODS OF USE SUPPLEMENT             | China                       | To be filed | TBD        | TBD/ Priority claim to PCT/US2018/049117 |           |          |
| HEALTH PROMOTING COMPOSITION AND METHODS OF USE SUPPLEMENT             | European Patent Application | To be Filed | TBD        | TBD/ Priority claim to PCT/US2018/049117 |           |          |
| HEALTH PROMOTING COMPOSITION AND METHODS OF USE SUPPLEMENT             | Japan                       | To be filed | TBD        | TBD/ Priority claim to PCT/US2018/049117 |           |          |
| HEALTH PROMOTING COMPOSITION AND METHODS OF USE SUPPLEMENT             | United States               | PENDING     | 8/31/2018  | 16/118845                                |           |          |
| COLLEGEN AND CELL MATTER SUPPLEMENT AND METHOD FOR ADMINISTERING SAME  | PCT Application             | PENDING     | 7/16/2019  | PCT/US2019/041953                        |           |          |
| METHOD AND COMPOSITION FOR INCREASING THE BIOAVAILABILITY OF CARNITINE | United States               | PENDING     | 10/28/2019 | 16/665774                                |           |          |
| METHOD AND COMPOSITION FOR INCREASING THE BIOAVAILABILITY OF CARNITINE | PCT Application             | PENDING     | 10/28/2019 | PCT/US2019/058353                        |           |          |