504183500 01/18/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4230178

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AOUATEF BELLAMINE	01/03/2017
ILYA ZHIVKOVICH	01/05/2017
ULLA FREITAS	01/03/2017

RECEIVING PARTY DATA

Name:	LONZA, INC.
Street Address:	90 BOROLINE ROAD
City:	ALLENDALE
State/Country:	NEW JERSEY
Postal Code:	07401

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15381731

CORRESPONDENCE DATA

Fax Number: (864)233-7342

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.

Phone: 864-271-1592

Email: DOCKETING@DORITY-MANNING.COM,

dbulkeley@dority-manning.com

Correspondent Name: DORITY & MANNING, P.A. Address Line 1: POST OFFICE BOX 1449

Address Line 4: GREENVILLE, SOUTH CAROLINA 29602-1449

ATTORNEY DOCKET NUMBER:	LZA-75 LP2465US00	
NAME OF SUBMITTER:	TIMOTHY A. CASSIDY	
SIGNATURE:	/Timothy A. Cassidy/	
DATE SIGNED:	01/18/2017	

Total Attachments: 4

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PATENT 504183500 REEL: 041005 FRAME: 0330

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PATENT REEL: 041005 FRAME: 0331

ATTORNEY DOCKET NUMBER: LZA-75 (LP2465US00)

ASSIGNMENT OF WORLDWIDE RIGHTS

WHEREAS, we, AOUATEF BELLAMINE, residing in Pennington, New Jersey,
ILYA ZHIVKOVICH, residing in Milford, Pennsylvania, and ULLA FREITAS, residing in
Lorrach, Germany, as assignors, have made an invention entitled

"METHOD AND COMPOSITION FOR INCREASING MUSCLE PROTEIN SYNTHESIS
AND/OR FUNCTIONAL STRENGTH IN MAMMALS"

as described in a patent application for U.S. Letters Patent bearing U.S. Serial No. 15/381,731, which was filed in the U.S. Patent and Trademark Office on December 16, 2016; and

WHEREAS, LONZA, INC., 90 Boroline Road, Allendale, New Jersey 07401 as assignee, is desirous of securing the entire right, title and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW, THEREFORE, be it known that for good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have assigned, transferred, and set over, and do hereby assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof, and all rights to claim priority on the basis of such applications, and we hereby authorize and request the Commissioner for Patents of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Agreement.

Page 1 of 2

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed, and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN WITNESS WHEREOF, Assignors have executed this document on the date indicated below.

HH-	
	January 3 rd 2017
AOUATEF BELLAMINE	Date
ILYA ZHIVKOVICH	Date
ULLA FREITAS	Date

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed, and will not execute any agreement in conflict with this Assignment;

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IN WITNESS WHEREOF, Assignors have executed this document on the date indicated below.

ACHATEF BELLAMINE	Date
C/arh	1/5/2012
ILYA ZHIVKOVICH	Date
ULLA FREITAS	Date

ATTORNEY DOCKET NUMBER: LZA-75 (LP2465US00)

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IN WITNESS WHEREOF, Assignors have executed this document on the date indicated below.

AOUATEF BELLAMINE	Date
JILYA ZHIVKOVICH	Date
/Ma45770)	3.1,27
ULLA FREITAS	Date