PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3536156

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		

CONVEYING PARTY DATA

Name	Execution Date
ELAZAR RABBANI	09/17/2015
JANNIS STAVRIANOPOULOS	09/17/2015
JAMES J. DONEGAN	09/15/2015
JACK COLEMAN	09/16/2015

RECEIVING PARTY DATA

Name:	ENZO BIOCHEM, INC.	
Street Address: 527 MADISON AVENUE		
City:	NEW YORK	
State/Country: NEW YORK		
Postal Code:	10022	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14849993

CORRESPONDENCE DATA

Fax Number:

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: 212.583.0100
Email: dtirella@enzo.com
Correspondent Name: ENZO BIOCHEM, INC.
Address Line 1: 527 MADISON AVENUE

Address Line 4: NEW YORK, NEW YORK 10022

ATTORNEY DOCKET NUMBER:	ENZ-60(D2)(D1)
NAME OF SUBMITTER:	DONNA TIRELLA
SIGNATURE:	/Donna Tirella/
DATE SIGNED:	09/22/2015

Total Attachments: 4

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PATENT 503489531 REEL: 036619 FRAME: 0514

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WHEREAS, I, ELAZAR RABBANI, ASSIGNOR, citizen of the United States, residing at 69 Fifth Avenue, Apartment 19A, New York, NY 10003, am an inventor of the invention in NOVEL COMPOSITIONS AND PROCESSES FOR ANALYTE DETECTION, QUANTIFICATION AND AMPLIFICATION for which I have jointly executed an application for a Patent of the United States; and

WHEREAS, I, JANNIS G. STAVRIANOPOULOS, ASSIGNOR, citizen of the United States, residing at 29 Karis Court, Bay Shore, NY 11706, am an inventor of the invention in NOVEL COMPOSITIONS AND PROCESSES FOR ANALYTE DETECTION, QUANTIFICATION AND AMPLIFICATION for which I have jointly executed an application for a Patent of the United States; and

WHEREAS, I, JAMES J. DONEGAN, ASSIGNOR, citizen of the United States, residing at 210 East Broadway, Apartment 4E, New York, NY 11561, am an inventor of the invention in NOVEL COMPOSITIONS AND PROCESSES FOR ANALYTE DETECTION, QUANTIFICATION AND AMPLIFICATION for which I have jointly executed an application for a Patent of the United States; and

WHEREAS, I, JACK COLEMAN, ASSIGNOR, citizen of the United States, residing at 37 Furwood Drive, East Northport, NY 11731, am an inventor of the invention in NOVEL COMPOSITIONS AND PROCESSES FOR ANALYTE DETECTION, QUANTIFICATION AND AMPLIFICATION for which I have jointly executed an application for a Patent of the United States.

which was filed on September 10, 2015 and assigned Application No. 14/849,993.

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AND WHEREAS, ASSIGNEE, Enzo Biochem, Inc., a corporation organized under the State of New York and having an address of 527 Madison Avenue, New York, New York 10022, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor:

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, we do hereby sell, assign, transfer and set over unto ASSIGNEE, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, we hereby agree with the said assignee that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or any actions accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignce;

AND we request the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said ASSIGNEE, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

	IN TESTIMONY	WHEREOF,	we hereunto	set our	hands a	ind seals	s the	day :	and y	year s	set	opposite	our	respective
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Date	9/17/1	5	, 2015	FLAZA	R RAB		4	X		<u> </u>				
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Date			, 2015	JANNI	S G. STA	VRIAN	OPO	ULO	S	**********				
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Date	***************************************		, 2015	JAMES	J. DON	EGAN	**********				******			
Date			, 2015	JACK (COLEM	AN							resort.	

WHEREAS, I, ELAZAR RABBANI, ASSIGNOR, citizen of the United States, residing at 69 Fifth Avenue, Apartment 19A, New York, NY 10003, am an inventor of the invention in NOVEL COMPOSITIONS AND PROCESSES FOR ANALYTE DETECTION, QUANTIFICATION AND AMPLIFICATION for which I have jointly executed an application for a Patent of the United States; and

WHEREAS, I, JANNIS G. STAVRIANOPOULOS, ASSIGNOR, citizen of the United States, residing at 29 Karis Court, Bay Shore, NY 11706, am an inventor of the invention in NOVEL COMPOSITIONS AND PROCESSES FOR ANALYTE DETECTION, QUANTIFICATION AND AMPLIFICATION for which I have jointly executed an application for a Patent of the United States; and

WHEREAS, I, JAMES J. DONEGAN, ASSIGNOR, citizen of the United States, residing at 210 East Broadway, Apartment 4E, New York, NY 11561, am an inventor of the invention in NOVEL COMPOSITIONS AND PROCESSES FOR ANALYTE DETECTION, QUANTIFICATION AND AMPLIFICATION for which I have jointly executed an application for a Patent of the United States; and

WHEREAS, I, JACK COLEMAN, ASSIGNOR, citizen of the United States, residing at 37 Furwood Drive, East Northport, NY 11731, am an inventor of the invention in NOVEL COMPOSITIONS AND PROCESSES FOR ANALYTE DETECTION, QUANTIFICATION AND AMPLIFICATION for which I have jointly executed an application for a Patent of the United States.

which was filed on September 10, 2015 and assigned Application No. 14/849,993.

AND WHEREAS, ASSIGNEE, Enzo Biochem, Inc., a corporation organized under the State of New York and having an address of 527 Madison Avenue, New York, New York 10022, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, we do hereby sell, assign, transfer and set over unto ASSIGNEE, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, we hereby agree with the said assignee that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or any actions accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND we request the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said ASSIGNEE, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

IN TESTIMONY WHEREOF, we hereunto set our hands and seals the day and year set opposite our respective signatures.

Date	., 2015	ELAZAR RABBANI
Date	4/7/2015, 2015	JANNIS G. STAVRIANOFOULOS
Date	, 2015	JAMES J. DONEGAN
Date	, 2015	JACK COLEMAN

WHEREAS, I, ELAZAR RABBANI, ASSIGNOR, citizen of the United States, residing at 69 Fifth Avenue, Apartment 19A, New York, NY 10003, am an inventor of the invention in NOVEL COMPOSITIONS AND PROCESSES FOR ANALYTE DETECTION, QUANTIFICATION AND AMPLIFICATION for which I have jointly executed an application for a Patent of the United States; and

WHEREAS, I, JANNIS G. STAVRIANOPOULOS, ASSIGNOR, citizen of the United States, residing at 29 Karis Court, Bay Shore, NY 11706, am an inventor of the invention in NOVEL COMPOSITIONS AND PROCESSES FOR ANALYTE DETECTION, QUANTIFICATION AND AMPLIFICATION for which I have jointly executed an application for a Patent of the United States; and

WHEREAS, I, JAMES J. DONEGAN, ASSIGNOR, citizen of the United States, residing at 210 East Broadway, Apartment 4E, New York, NY 11561, am an inventor of the invention in NOVEL COMPOSITIONS AND PROCESSES FOR ANALYTE DETECTION, QUANTIFICATION AND AMPLIFICATION for which I have jointly executed an application for a Patent of the United States; and

WHEREAS, I, JACK COLEMAN, ASSIGNOR, citizen of the United States, residing at 37 Furwood Drive, East Northport, NY 11731, am an inventor of the invention in NOVEL COMPOSITIONS AND PROCESSES FOR ANALYTE DETECTION, QUANTIFICATION AND AMPLIFICATION for which I have jointly executed an application for a Patent of the United States.

which was filed on September 10, 2015 and assigned Application No. 14/849,993.

AND WHEREAS, ASSIGNEE, Enzo Biochem, Inc., a corporation organized under the State of New York and having an address of 527 Madison Avenue, New York, New York 10022, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, we do hereby sell, assign, transfer and set over unto ASSIGNEE, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, we hereby agree with the said assignee that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, refssued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or any actions accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND we request the Commissioner for Patents and Trademarks to issue any Leiters Patent of the United States which may be issued for said invention to said ASSIGNEE, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

IN TESTIMONY WHEREOF, we hereunto set our hands and seals the day and year set opposite our respective signatures.

Date		, 2015	ELAZAR RABBANI
Date		, 2015	JANNIS G. STAVRIANOPOULOS
Date	<u>e/12</u>	, 2015	JAMES J. DONEGAN
Date		, 2015	JACK COLEMAN

WHEREAS, I. ELAZAR RABBANI, ASSIGNOR, citizen of the United States, residing at 69 Fifth Avenue, Apartment 19A, New York, NY 10003, am an inventor of the invention in NOVEL COMPOSITIONS AND PROCESSES FOR ANALYTE DETECTION, QUANTIFICATION AND AMPLIFICATION for which I have jointly executed an application for a Patent of the United States; and

WHEREAS, I, JANNIS G. STAVRIANOPOULOS, ASSIGNOR, citizen of the United States, residing at 29 Karis Court. Bay Shore, NY 11706, sun an inventor of the invention in NOVEL COMPOSITIONS AND PROCESSES FOR ANALYTE DETECTION, QUANTIFICATION AND AMPLIFICATION for which I have jointly executed an application for a Patent of the United States; and

WHEREAS, I, JAMES J. DONEGAN, ASSIGNOR, citizen of the United States, residing at 210 East Broadway, Apartment 4E, New York, NY 11561, am an inventor of the invention in NOVEL COMPOSITIONS AND PROCESSES FOR ANALYTE DETECTION, QUANTIFICATION AND AMPLIFICATION for which I have jointly executed an application for a Patent of the United States; and

WHEREAS, I, JACK COLEMAN, ASSIGNOR, citizen of the United States, residing at 37 Furward Drive, East Northport, NY 11731, am an inventor of the invention in NOVEL COMPOSITIONS AND PROCESSES FOR ANALYTE DETECTION, QUANTIFICATION AND AMPLIFICATION for which I have jointly executed an application for a Patent of the United States.

Which was filed on September 10, 2015 and assigned Application No. 14/849,993.

AND WHEREAS, ASSIGNEE, Enzo Bischem, Inc., a corporation organized under the State of New York and having an address of 527 Madison Avenue, New York, New York 10022, is desirous of acquiring the entire right, title and interest in and to said invention and in and to say and all Letters Patent of the United States and foreign countries which may be obtained therefore.

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, we do hereby sell, assign, transfer and set over unto ASSICNEE, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, we hereby agree with the said assignee that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissaed, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or any actions accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing such applications or patents, and by executing preliminary statements and other affidavits it being understood that the foregoing such applications or patents, and by executing preliminary statements and other affidavits it being understood that the foregoing such applications are patents and agreement shall bind, and insure to the benefit of the assigns and legal representatives of assignor and assignee;

AND we request the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said ASSIGNEE, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

IN TESTIMONY WHEREOF, we hereunto set our hands and seals the day and year set opposite our respective signatures.

Date	, 2015	ELAZAR RABBANI
Date	, 2015	JANNIS G. STAVRIANOPOULOS
Date	, 2015	JAMES I. BONEGAN
Date	. 2015	TACK COLEMAN

Page 1 of 1