503535345 10/22/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3581972

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROBERT ELLIOT ZIPKIN	11/13/2009
JEFFREY KROLL ADAMS	11/13/2009
SARAH SPIEGEL	11/09/2009

RECEIVING PARTY DATA

Name:	ENZO THERAPEUTICS, INC.
Street Address:	10 EXECUTIVE BLVD.
City:	FARMINGDALE
State/Country:	NEW YORK
Postal Code:	11735
Name:	VIRGINIA COMMONWEALTH UNIVERSITY
Street Address:	800 EAST LEIGH STREET
Internal Address:	SUITE 113
City:	RICHMOND
State/Country:	VIRGINIA
Postal Code:	23219

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13649221

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-91(CIP)(D1)

NAME OF SUBMITTER: DONNA TIRELLA

PATENT 503535345 REEL: 036857 FRAME: 0438

SIGNATURE:	/Donna Tirella/	
DATE SIGNED:	10/22/2015	
Total Attachments: 4		
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PATENT REEL: 036857 FRAME: 0439

ATTORNEY DOCKET NO.: Enz-91(CIP)

ASSIGNMENT

WHEREAS, WE, Robert Elliot Zipkin, residing at 1214 Weymouth Road, Wynnewood, PA 19096; and Jeffrey Kroll Adams, residing at 1340 Pinetown Road, Fort Washington, PA 19034; have invented certain new and useful improvements in and to the subject matter of:

NOVEL COMPOSITIONS INCLUDING SPHINGOSINE KINASE TYPE 1 INHIBITORS, AND PROCESSES FOR USING SAME

described in an application for United States Letters Patent filed on August 31, 2009, and accorded Application Serial No. 12/584,131;

AND, WHEREAS, Enzo Therapeutics, Inc., a corporation organized under the laws of the State of New York, having a place of business located at 10 Executive Boulevard, Farmingdale, NY 11735-4716 (hereinafter "ASSIGNEE"), is desirous of acquiring certain rights to the improvements and under the application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration, receipt of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said improvements, said United States application, any other United States applications, including provisional, divisional, renewal, substitute, continuation, reexamination and reissue applications, based in whole or in part on said United States application or in whole or in part on said improvements, any foreign applications, including international and regional applications, based in whole or in part on any of the aforesaid United States applications or in whole or in part on said improvements, and in and to any and all letters patent, including extensions thereof, of any country which have been or may be granted on any of the aforesaid applications or on said improvements or any parts thereof;

AND WE hereby authorize and request our agents, Natalie Bogdanos, Registration No. 51,480; and Ronald C. Fedus, Registration No. 32,567, to insert hereon any identification necessary or desirable for recordation of this document, including the filing date and application number of said application when known.

AND WE hereby agree for ourselves and our heirs, executors and administrators to execute without further consideration any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-referenced application or in the preparation or prosecution of any continuing, substitute, divisional, renewal, reexamination or reissue application or in any amendments, extensions or interference proceedings, or other applications for patents of any region or country, that may be necessary to secure to ASSIGNEE its interest and title in and to said improvements or any parts thereof, and in and to said several patents or any of them;

AND WE hereby covenant for ourselves and our legal representatives, and agree with said ASSIGNEE, its successors and assigns, that we have granted no right or license to

PATENT REEL: 026856 FRAME: 0380 PATENT

REEL: 036857 FRAME: 0440

Robert E. Zipkin et al. Serial No. 12/584,131 Filed: August 31, 2009 Assignment - Page 2

make, use, sell or offer to sell said improvements, to anyone except said ASSIGNEE, that prior to the execution of this deed, our right, title and interest in said improvements had not been otherwise encumbered, and that we have not and will not execute any instrument in conflict therewith;

AND WE do hereby authorize and request the Director of the United States Patent and Trademark Office to issue any and all letters patent which may be granted upon said United States applications, or upon said improvements or any parts thereof when granted, to said ASSIGNEE.

IN WITNESS WHEREOF, we have hereunto set our hands and scals.

16/13/09

Date

WITNESS:

Kroll Adams

PATENT REEL: 026856 FRAME: 0381

PATENT

REEL: 036857 FRAME: 0441

ATTORNEY DOCKET NO.: Enz-91(CIP)

ASSIGNMENT

WHEREAS, I, Sarah Spiegel, residing at 11453 Barrington Bridge Court, Richmond, VA 23233; have invented certain new and useful improvements in and to the subject matter of:

NOVEL COMPOSITIONS INCLUDING SPHINGOSINE KINASE TYPE 1 INHIBITORS, AND PROCESSES FOR USING SAME

described in an application for United States Letters Patent filed on August 31, 2009, and accorded Application Serial No. 12/584,131;

AND, WHEREAS, Virginia Commonwealth University, a corporation organized under the laws of the State of Virginia, having a place of business located at 800 East Leigh Street, Ste 113, Richmond, VA 23219 (hereinafter "ASSIGNEE"), is desirous of acquiring certain rights to the improvements and under the application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration, receipt of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said improvements, said United States application, any other United States applications, including provisional, divisional, renewal, substitute, continuation, reexamination and reissue applications, based in whole or in part on said United States application or in whole or in part on said improvements, any foreign applications, including international and regional applications, based in whole or in part on any of the aforesaid United States applications or in whole or in part on said improvements, and in and to any and all letters patent, including extensions thereof, of any country which have been or may be granted on any of the aforesaid applications or on said improvements or any parts thereof;

AND I hereby authorize and request our agents, Natalie Bogdanos, Registration No. 51,480; and Ronald C. Fedus, Registration No. 32,567, to insert hereon any identification necessary or desirable for recordation of this document, including the filing date and application number of said application when known.

AND I hereby agree for ourselves and our heirs, executors and administrators to execute without further consideration any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-referenced application or in the preparation or prosecution of any continuing, substitute, divisional, renewal, reexamination or reissue application or in any amendments, extensions or interference proceedings, or other applications for patents of any region or country, that may be necessary to secure to ASSIGNEE its interest and title in and to said improvements or any parts thereof, and in and to said several patents or any of them;

AND I hereby covenant for ourselves and our legal representatives, and agree with said ASSIGNEE, its successors and assigns, that we have granted no right or license to make, use, sell or offer to sell said improvements, to anyone except said ASSIGNEE, that prior

PATENT REEL: 033918 FRAME: 0339 PATENT

REEL: 036857 FRAME: 0442

Sarah Spiegel et al. Serial No. 12/584,131 Filed: August 31, 2009 Assignment - Page 2

to the execution of this deed, our right, title and interest in said improvements had not been otherwise encumbered, and that we have not and will not execute any instrument in conflict therewith;

AND I do hereby authorize and request the Director of the United States Patent and Trademark Office to issue any and all letters patent which may be granted upon said United States applications, or upon said improvements or any parts thereof when granted, to said ASSIGNEE.

IN WITNESS WHEREOF, I have hereunto set our hands and seals.

WITNESS:

P.G. Box 980414 Puchmond, VA 23298

PATENT REEL: 033918 FRAME: 0340

PATENT

REEL: 036857 FRAME: 0443

RECORDED: 10/22/2015