503921093 07/19/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3967746

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DREW L. LICHTENSTEIN	06/30/2016
AMIE LAWHORN	06/30/2016

RECEIVING PARTY DATA

Name:	NOVUS INTERNATIONAL, INC.
Street Address:	20 RESEARCH PARK DRIVE
City:	ST. CHARLES
State/Country:	MISSOURI
Postal Code:	63304

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	15180850
PCT Number:	US2016037204

CORRESPONDENCE DATA

Fax Number: (618)655-9640

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: 314-889-8000

Email: IPdocket@polsinelli.com

Correspondent Name: POLSINELLI PC

Address Line 1: 105 WEST VANDALIA

Address Line 2: SUITE 400

Address Line 4: EDWARDSVILLE, ILLINOIS 62025

ATTORNEY DOCKET NUMBER:	048968-547025
NAME OF SUBMITTER:	REBECCA L. ENDSLEY, PARALEGAL
SIGNATURE:	/Rebecca L. Endsley/
DATE SIGNED:	07/19/2016

Total Attachments: 4

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> **PATENT REEL: 039186 FRAME: 0332** 503921093

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PATENT REEL: 039186 FRAME: 0333

UNITED STATES PATENT ASSIGNMENT

WHEREAS, **Drew L. Lichtenstein** and **Amie Lawhorn**; both of St. Charles, Missouri; (hereinafter referred to as "ASSIGNOR"), for an invention (the "INVENTION") relating to an improvement in **METHODS AND KITS FOR MEASURING PROTEASE ACTIVITY IN FEED** and has executed an application for a United States patent based thereon (US Serial Number 15/180,850, filed June 13, 2016 and PCT application number PCT/US2016/037204, filed June 13, 2016 both claims priority to US Provisional application number 62/182,065, filed June 19, 2015) (the "APPLICATION");

AND, WHEREAS, **NOVUS INTERNATIONAL, INC.**, a Delaware corporation, having its principal place of business at 20 Research Park Drive, St. Charles, Missouri 63304 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for one dollar and other good and valuable consideration, receipt of all of which is hereby acknowledged, ASSIGNOR has agreed to and does hereby sell, assign, and transfer unto said ASSIGNEE the 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 INVENTION, said APPLICATION, any other United States application (including divisional, continuing, or reissue applications) based in whole or in part on said APPLICATION or in whole or in part on said INVENTION, any foreign applications based in whole or in part on any of the aforesaid United States applications or in whole or in part on said INVENTION, and any and all patents (including extensions thereof) of any country which have been or may be granted on any of the aforesaid applications or on said INVENTION or any part thereof;

TO BE HELD AND ENJOYED by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had no sale and assignment of said interest been made;

AND ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States of America to issue any and all United States patents which may be granted upon said United States applications or any of them, or upon said INVENTION or any part thereof, to said ASSIGNEE;

AND ASSIGNOR, his successors and assigns, hereby agrees to execute without further consideration any further lawful documents and any further assurances, and any

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divisional, continuing, reissue, or other applications for patents of any country, that may be deemed necessary by said ASSIGNEE fully to secure to said ASSIGNEE its interest as aforesaid in and to said INVENTION or any part thereof, and in and to said several patents or any of them;

AND ASSIGNOR hereby covenants and agrees with said ASSIGNEE, its successors and assigns, that ASSIGNOR has granted no right or license to make, use, or sell said INVENTION, to anyone except said ASSIGNEE, that prior to the execution of this assignment, ASSIGNOR'S right, title and interest in said INVENTION has not been otherwise encumbered, and that ASSIGNOR has not executed and will not execute any instrument in conflict herewith.

DREW L. LICHTENSTEIN

ACKNOWLEDGMENT

STATE OF <u>MISSOUR (</u>) CHAPOF <u>ST CHARLES</u>) SS

On this 30^{17} day of 30^{17} day of 30^{17} , 2016, before me appeared DREW L. LICHTENSTEIN to me personally known to be the person described, and said DREW L. LICHTENSTEIN acknowledged said instrument to be his free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.

Notary Public

My Commission Expires:

Commission # 12735

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AMIE LAWHORN

Date: 6/36/2016

ACKNOWLEDGMENT

STATE C	of Missouri)
COMPYOF	ST CHARLES) SS.)

On this day of ______, 2016, before me appeared AMIE LAWHORN to me personally known to be the person described, and said AMIE LAWHORN acknowledged said instrument to be his free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.

Notary Públic

My Commission Expires:

December 28, 2017 [SEAL

Commission # 12735462 St. Charles County

NOVUS INTERNATIONAL, INC. **ACKNOWLEDGMENT** On this Day of June, 2016, before me appeared (Novus International, Inc.) to me personally known to be the person described, and acknowledged said instrument to be his free act and deed. In Testimony Whereof, I have hereunto set my hand and affixed my official seal the

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RECORDED: 07/19/2016

day and year first above written.

SHERI A. VARNEY Notary Public - Notary Seal

State of Missouri Commissioned for St. Louis County My Commission Expires; July 01, 2017 Commission Number: 13499211

[SEAL]

My Commission Expires: