503558732 11/06/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3605359

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GREG POGUE	09/09/2015
ERNIE HIATT	08/26/2015
ROMY KANDZIA	09/16/2015
STEFAN WERNER	09/16/2015
FRANK THIEME	09/16/2015
STEVEN HUME	08/26/2015

RECEIVING PARTY DATA

Name:	KENTUCKY BIOPROCESSING, INC.
Street Address:	401 NORTH MAIN STREET, C/O REYNOLDS AMERICAN INC.
Internal Address:	A CORPORATION ORGANIZED UNDER THE LAWS OF NORTH CAROLINA
City:	WINSTON-SALEM
State/Country:	NORTH CAROLINA
Postal Code:	27101

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	14448545
PCT Number:	US1449387

CORRESPONDENCE DATA

Fax Number: (502)589-0309

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: 502-562-7355

Email: Iminton@wyattfirm.com
Correspondent Name: STEPHEN C. HALL

Address Line 1: 500 WEST JEFFERSON STREET, SUITE 2800

Address Line 2: WYATT, TARRANT & COMBS, LLP Address Line 4: LOUISVILLE, KENTUCKY 40202

ATTORNEY DOCKET NUMBER: 611016.3

NAME OF SUBMITTER: STEPHEN C. HALL, REG. NO. 57,339

SIGNATURE:	/Stephen C. Hall/
DATE SIGNED:	11/06/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 21

source=Assignment to Kentucky BioProcessing#page1.tif source=Assignment to Kentucky BioProcessing#page2.tif source=Assignment to Kentucky BioProcessing#page3.tif source=Assignment to Kentucky BioProcessing#page4.tif source=Assignment to Kentucky BioProcessing#page5.tif source=Assignment to Kentucky BioProcessing#page6.tif source=Assignment to Kentucky BioProcessing#page7.tif source=Assignment to Kentucky BioProcessing#page8.tif source=Assignment to Kentucky BioProcessing#page9.tif source=Assignment to Kentucky BioProcessing#page10.tif source=Assignment to Kentucky BioProcessing#page11.tif source=Assignment to Kentucky BioProcessing#page12.tif source=Assignment to Kentucky BioProcessing#page13.tif source=Assignment to Kentucky BioProcessing#page14.tif source=Assignment to Kentucky BioProcessing#page15.tif source=Assignment to Kentucky BioProcessing#page16.tif source=Assignment to Kentucky BioProcessing#page17.tif source=Assignment to Kentucky BioProcessing#page18.tif source=Assignment to Kentucky BioProcessing#page19.tif source=Assignment to Kentucky BioProcessing#page20.tif source=Assignment to Kentucky BioProcessing#page21.tif

Title of invention: PLANT-BASED RECOMBINANT BUTYRYLCHOLINESTERASE

PRODUCTION METHODS

Application No.: 14/448,545

I. Declaration

As a below named inventor, we hereby declare that this declaration is directed to:		
	the attached application, or	
X	United States application number 14/448,545 filed on July 31, 2014 and/or	
	PCT International application number PCT/US14/49387, filed on August 1, 2014.	

As the below named inventor, I hereby declare that:

The above-identified application was made or authorized to be made by me.

I believe I am a joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I. Assignment

FOR GOOD AND VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, the below named inventor (hereinafter called "ASSIGNOR") hereby assigns, transfers, and conveys ownership unto: **Kentucky BioProcessing, Inc.**, a corporation organized under the laws of North Carolina, with a correspondence address of 401 North Main Street, c/o Reynolds American Inc., Winston-Salem, North Carolina 27101 U.S.A., (hereinafter called "ASSIGNEE"), which shall include all successors and assigns, if any), the full and exclusive rights, title, and interest in and to the above-named invention (i) as described and/or claimed in Provisional Patent Application No. 61/885,492, filed in the United States Patent and Trademark Office on October 1, 2013, and/or Nonprovisional Patent Application No. 14/448,545, filed in

61383062.1

ASSIGNORS agree without charge to said ASSIGNEE but at its expense (a) to execute (i) all necessary papers to be used in connection with the Applications, as the ASSIGNEES may deem necessary or expedient, (ii) all papers in connection with any interference or other legal or quasi-legal proceedings relating to the above-identified applications or any additional, continuing, or divisional applications thereof; (b) to cooperate with ASSIGNEE in every way possible in obtaining testimony or other evidence and going forward in any such proceedings; and (c) to perform all other affirmative acts which may be necessary or desirable to obtain a grant of a valid patent for ASSIGNEE.

ASSIGNORS hereby covenant and warrant that each has full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

ASSIGNORS hereby grant the law firm of Wyatt, Tarrant & Combs, LLP, the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office or other patent office for recordation of this document, including serial numbers and filing dates.

{ASSIGNOR'S Signature begins on next page}

Name:	Greg Pogue
Citizenship:	U.S.
Address:	5817 Pributary Ridge Road, Austin, TX 78759 U.S.A.
Signature	
Date:	09/09/15
STATE OF TEX	
The foregoing day of	going instrument was subscribed, sworn to and acknowledged before me this 2015, by Greg Pogue.
My comn	nission expires: 2014 16, 2019.
	OMA ALL NOTARY PUBLIC NOTARY PUBLIC

Title of invention: PLANT-BASED RECOMBINANT BUTYRYLCHOLINESTERASE PRODUCTION METHODS

As a below named inventor, we hereby declare that this declaration is directed to:

Application No.: <u>14/448,545</u>

I. Declaration

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{ASSIGNOR'S Signature begins on next page}

Name:	Ernie Hiatt
Citizenship:	U.S.
Address:	1619 Graves Lane, Maceo, Kentucky 42355 U.S.A.
Signature	Emy Arx
Date:	26Aug 15
	3

20 Aug 10
STATE OF KENTUCKY) COUNTY OF Daviess) :ss
The foregoing instrument was subscribed, sworn to and acknowledged before me this day of August 2015, by Ernie Hiatt. My commission expires: 12, 2014
Motary Public 462316



Title of invention:

PLANT-BASED RECOMBINANT BUTYRYLCHOLINESTERASE

PRODUCTION METHODS

Application No.: <u>14/448,545</u>

I. Declaration

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^	United States application number 14/448,545 filed on July 31, 2014 and/o	

PCT International application number PCT/US14/49387, filed on August 1, 2014.

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61383187.1

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{ASSIGNOR'S Signature begins on next page}

Name:	Romy Kandzia
Citizenship:	German
Address:	Ferdinand-Runge-Str. 3, Halle, Germany 06130
Signature	Q. Maudan
Date:	Halle (Saale), 16.09. 2015

NOTARY

	I confirm in my capacity as notary public that Mr. Romy Kandzia, ID Card			
No	, signed this assignment before me on	day of	, 2015.	
	My commission expires:			
	NOTARVI	PI IRI IC		

document No. 1836 of the year 2015

I hereby certify the above signature of

Dr. Romy Renate Kandzia
born on 08.12.1969
esiding at Ferdinand-Runge-Straße 3, 06130 Halle (Saale)
iden fied herself by means of her identity card no. 474486145.

Halle, 16 September 2015

Dr. Barbara Lilie notary public



As a below named inventor, I hereby declare that this declaration is directed to:

Title of invention:

PLANT-BASED RECOMBINANT BUTYRYLCHOLINESTERASE

PRODUCTION METHODS

Application No.: <u>14/448,545</u>

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	the attached application, or
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{ASSIGNOR'S Signature begins on next page}

Name:	Stefan Werner
Citizenship:	German
Address:	Rudolf-Haym-Str. 13, Halle, Germany 06110
Signature	
Date:	Halle (Saale), 16.09.15

NOTARY

	I confirm in my capacity as notary public that Mr. Stefan Werner, ID Card
No	, signed this assignment before me onday of, 2015.
1	My commission expires:
	NOTARY PUBLIC

I hereby certify the above signature of

Stefan Michael Werner born on 24.10.1971

residing at Rudolf-Haym-Straße 13, 06110 Halle (Saale) ide tified himself by means of his identity card no. 474488509.

Halle, 16 Se Amber 2015

Dr. Barbara Lilie

notary public



Title of invention:

PLANT-BASED RECOMBINANT BUTYRYLCHOLINESTERASE

PRODUCTION METHODS

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{ASSIGNOR'S Signature begins on next page}

Name:	Frank Thieme
Citizenship:	German
Address:	Windthorst Str. 7, Halle, Germany 06114
Signature	thine
Date:	Hale (Saale), 16,00. 15

NOTARY

	I confirm in my capacity as notary public that Mr. Frank Thieme, ID Card
No	, signed this assignment before me onday of, 2015.
	My commission expires:
	NOTARY PUBLIC

document No. 1838 of the year 2015

I hereby certify the above signature of

Dr. Frank Thieme

born on 08.11.1975

reliding at Windthorststraße 7, 06114 Halle (Saale) identified himself by means of his identity card no. 474475118.

Halle, 16 September 2015

Dr. Barbara Lilie notary public

As a below named inventor, we hereby declare that this declaration is directed to:

Title of invention:

PLANT-BASED RECOMBINANT BUTYRYLCHOLINESTERASE

PRODUCTION METHODS

Application No.: <u>14/448,545</u>

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{ASSIGNOR'S Signature begins on next page}

Name:	Steven Hume
Citizenship:	U.S.
Address:	3153 Wood Valley Point, Owensboro, Kentucky 42303 U.S.A.
Signature	Steven Dume
Date:	26AU615

STATE OF KENTUCKY)	
COUNTY OF DAVIESS)	:SS

The foregoing instrument was subscribed, sworn to and acknowledged before me this day of August, 2015, by Steven Hume.

My commission expires: Warch 14, 2014.

NOTARY PUBLIC

462316

RECORDED: 11/06/2015