504625322 11/02/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4672040

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
	Corrective Assignment to correct the BLANK PAGE OF THE ASSIGNMENT DOCUMENT previously recorded on Reel 042854 Frame 0822. Assignor(s) hereby confirms the ENTIRE RIGHT, TITLE AND INTEREST.

CONVEYING PARTY DATA

Name	Execution Date
TONIA S. REX	06/27/2017
TIMOTHY A SULLIVAN	06/27/2017

RECEIVING PARTY DATA

Name:	VANDERBILT UNIVERSITY
Street Address:	305 KIRKLAND HALL
Internal Address:	2201 WEST END AVENUE
City:	NASHVILLE
State/Country:	TENNESSEE
Postal Code:	37240

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15632106

CORRESPONDENCE DATA

Fax Number: (615)313-3972

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: 615-244-5200

Email: francine.vanaelst@stites.com
Correspondent Name: RICHARD S. MYERS, JR.
Address Line 1: 401 COMMERCE STREET

Address Line 2: SUITE 800

Address Line 4: NASHVILLE, TENNESSEE 37219

ATTORNEY DOCKET NUMBER:	11672N/15044DV
NAME OF SUBMITTER:	FRANCINE M VANAELST
SIGNATURE:	/Francine VanAelst/
DATE SIGNED:	11/02/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT REEL: 044361 FRAME: 0067

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Total Attachments: 4

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PATENT REEL: 044361 FRAME: 0068

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4483183

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TONIA S REX	06/27/2017
TIMOTHY A SULLIVAN	06/27/2017

RECEIVING PARTY DATA

Name:	VANDERBILT UNIVERSITY
Street Address:	305 KIRKLAND HALL
Internal Address:	2201 WEST END AVENUE
City:	NASHVILLE
State/Country:	TENNESSEE
Postal Code:	37240

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15632106

CORRESPONDENCE DATA

Fax Number: (615)313-3972

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Phone: 615-244-5200

Email: francine.vanaelst@stites.com
Correspondent Name: RICHARD S. MYERS, JR.
Address Line 1: 401 COMMERCE STREET

Address Line 2: SUITE 800

Address Line 4: NASHVILLE, TENNESSEE 37219

ATTORNEY DOCKET NUMBER:	11672N/15044DV
NAME OF SUBMITTER:	FRANCINE M VANAELST
SIGNATURE:	/Francine VanAelst/
DATE SIGNED:	06/28/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

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PATENT REEL: 044361 FRAME: 0069

Attorney Docket No.: 11672N/15044DV

VU Reference No.: VUI 5044DIVI

COMBINATION ASSIGNMENT-STATEMENT

	LARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION CATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE
This of invention:	Therapeutic Compositions and Methods for disorders Associated with Neuronal Degeneration
	DECLARATION
As a below named inve	ntor I hereby declare that:
	n is directed to: tached application, or I States application or PCT international application number 15/632,106 filed on June 23, 2017,
 I believe that I I hereby ackno 	ntified application was made or authorized to be made by me. am the original inventor or an original joint inventor of a claimed invention in the application. wledge that any willful false statement made in this declaration is punishable under 18 USC timprisonment of not more than five (5) years, or both.
	<u>ASSIGNMENT</u>
	<u>/anderbijt University</u> having an office and place of business at <u>305 Kirkdand Hall, 2201 West</u> <u>e. Tennessee, 37240, USA</u> , is desirous of acquiring the entire interest in the same;
Literary and Artistic W time to time, the suffici assign and hereby do se interest in and to said it which may issue thereo reexamination, division Paris Convention arisin including the right to be legal representatives an sale not been made;	EFORE, for good and valuable consideration, as described in the Policy on Technology and orks, published in the 1993-1994 Vanderbilt Faculty Manual, as such policy is amended from ency and adequacy and receipt of which are hereby acknowledged, I, the INVENTOR, agree to all, assign and transfer unto said VANDERBILT UNIVERSITY the entire right, title and reention and application throughout the world, including, without limitation, any Letters Patent a, and any subsequent application claiming priority to the above-identified application, reissue, al, continuation-in-part, extension or continuation thereof and all rights of priority under the g from said application, and all other rights in the INVENTION possessed by the INVENTOR, ring suit for damages due to past infringements; the same for VANDERBILT UNIVERSITY'S d assigns, as fully and entirely as the same would have been held by us had this assignment and
without further conside which may be necessar made or intended to be	bind myself, my heirs, legal representatives, administrators and assign properly to execute ration any and all applications, petitions, oaths and assignments or other papers and instruments y in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby made and generally do everything possible to aid VANDERBILT UNIVERSITY, its legal igns, to obtain and enforce proper protection for said invention in all countries throughout the
	ovenant that no assignment, sale, agreement or encumbrance has been or will be made or all conflict with this assignment.
LEGAL NAME OF I	
Inventor: Tonia	S. Rex Date: 6/37/17
Signature:	5
Witness: <u>Jeec</u> Signature: <u>J</u>	73ROTT Date: 6/27/17
Organization	

Attorney Oocket No.: 11672N/15044DV

VU Reference No.: VUI 5044DIVI

COMBINATION ASSIGNMENT-STATEMENT

As a below named inventor I hereby declare that: This declaration is directed to: The above-identified application, or United States application or PCT international application number 15/632,106 filed on June 23, 2017. The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed favention in the application. I hereby akknowledge that any willfol false statement made in this declaration is punishable under 18 USC 100i by fine or imprisonment of not more than five (5) years, or both. **ASSIGNMENT** WHEREAS, Vanderbilt University having an office and place of business at 305 Kirkland Hall, 2201 Wes End Avenue, Nashvilk, Tennessee, 37240, USA, is desirous of acquiring the entire interest in the same; NOW, THEREFORE, for good and valuable consideration, as described in the Policy on Technology and Literary and Artistic Works, published in the 1993-1994 Vanderbilt Faculty Masual, as such policy is amended from time to time, the sufficiency and adequacy and receipt of which are hereby acknowledged, I, the NVENTOR, agree time to time, the sufficiency and adequacy and receipt of which are hereby acknowledged, I, the NVENTOR, agree time to time, the sufficiency and adequacy and receipt of which are hereby acknowledged, I, the NVENTOR, agree time to time, the sufficiency and adequacy and receipt of which are hereby acknowledged, I, the NVENTOR, agree time to time, the sufficiency and adequacy and receipt of which are hereby acknowledged, I, the NVENTOR, agree time to time, the sufficiency and adequacy and receipt of which are thereby acknowledged, I, the NVENTOR, agree time to time, the sufficiency and afterest in and to said invention and an explication throughout the world, including, without limitation, any setters Patentine and the sufficiency and a supplication and any subsequent application claiming priority to the above-identified application, elisate resembnation, divisional, continuation-in-par, extension or	USING AN APPE	ICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE
As a below samed inventor I hereby declare that: This declaration is directed to: The attached application, or Signified States application or PCT international application number 15/632,106 filed on June 23, 2017. The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original 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 USC 1061 by fine or imprisonment of not more than five (5) years, or both. **ASSIGNMENT** WHEREAS, Vanderbilt University having an office and place of business at 305 Kirkland Hall, 2201 Westender, Nashville, Tennessee, 37240, USA, is desirous of acquiring the entire interest in the same. NOW, THEREFORE, for good and valuable consideration, as described in the Policy on Technology and Literary and Artistic Works, published in the 1993-1994 Vanderbilt Faculty Manual, as such policy is amended from time to time, the sufficiency and adequacy and receipt of which are hereby decknowledged, I, the INVENTOR, agree to assign and hereby do sell, assign and transfer unto said VANDERBILT UNIVERSITY the entire right, title and interest in and its and invention and application, and all other rights in the subsequent application, elisase which may issue thereon, and any subsequent application, distinuing priority to the above-identified application, relissue thereon and all rights of priors and application, and all other rights in the INVENTON possessed by the INVENTO parts Convention artising from said application, and all other rights in the INVENTON possessed by the INVENTO including the right to bring suit for damages due to past infringements, the same for VANDERBILT UNIVERSITY legal representatives and assigns, as fully and entirely as the same would have been held by us had this assignment and the property in the same and assigns properly to execute which may be necessary in order to carry into full force and eff	Fitle of Invention:	Therapeutic Compositions and Methods for disorders Associated with Neuronal Degeneration
This declaration is directed to: The statched application, or United States application or PCT international application number 15/632,106 filed on June 23, 2017. The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original 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 USC 1001 by fine or imprisonment of not more than five (5) years, or both. **ASSIGNMENT** WHEREAS, **Vanderbilt** University** baving an office and place of business at 305 Kirkland Hall, 2261 Westender Nashville, **Tennessee, 37240, USA,** is desirous of acquiring the entire interest in the same; NOW, **THEREFORE,** for good and valuable consideration, as described in the Policy on Technology and Literary and Artistic Works, published in the 1993-1994 Vanderbilt** fleatily Masual, as such policy is amended from time to time, the sufficiency and adequacy and receipt of which are hereby acknowledged, I, the INVENTOR, agree to time, the sufficiency and adequacy and receipt of which are hereby acknowledged, I, the INVENTOR, agree is the time, and any subsequent application throughout the world, including, without limitation, any Letters Prace which may issue thereon, and any subsequent application slatining priority to the above-identified application, exists the reason and any subsequent application slatining priority to the above-identified application, exists recommination, divisional, continuation-in-part, extension or continuation thereof and all rights of priority under the regist to bring suit for damages due to past infingements, the same for VANDERBILT UNIVERSITY legal representatives and assign guit for damages due to past infingements, the same for VANDERBILT UNIVERSITY legal representatives and assign properly to execute without further consideration any and all applications, pestions, saths and assignments or other papers and instrument which may be n		DECLARATION
□ The attached application, or □ United States application or PCT international application number 15/632, 106 filed on June 23, 2017. The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original 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 USC 1001 by fine or imprisonment of not more than five (5) years, or both. **ASSIGNMENT** WHEREAS, Vanderbilt University having an office and place of business at 305 Kirkland Hall, 2201 Wes 2nd Avenue, Nashville, Tennessee, 37240, USA, is desirous of acquiring the entire interest in the same; NOW, THEREFORE, for good and valuable consideration, as described in the Policy on Technology and Literary and Artistic Works, published in the 1993-1994 Vanderbilt Faculty Masual, as such policy is amended from same to time, the sufficiency and adequacy and receipt of which are bereby acknowledged, I the TWENTOR, agree is time to time, the sufficiency and adequacy and receipt of which are bereby acknowledged, I the TWENTOR, agree is time to time, the sufficiency and adequacy and receipt of which are bereby acknowledged, I the VNENTOR, agree is time, the sufficiency and any subsequent application claiming priority to the above-identified application, reissue reasonisation, divisional, continuation-in-part, extension or continuation thereof and all rights of priority under the reasonisation, divisional, continuation-in-part, extension or continuation thereof and all rights of priority under the Parts Convention arising from said application, and all other rights in the INVENTOR possessed by the INVENTOR part Convention arising from said application, and all other rights in the INVENTOR possessed by the INVENTOR legal representatives and assigns, as fully and entirely as the same would have been held by us had this assignment and all entirely as the same for VANDERBILT UNIVERSITY, its legal represe	s a below named in	ventor I hereby declare that:
The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby asknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both. **ASSIGNMENT** WHEREAS, Vanderbilt University having an office and place of business at 305 Kirkland Hall, 2201 Westend Avenue, Nashville, Tennessee, 37240, USA, is desirous of acquiring the entire interest in the same; NOW, THEREFORE, for good and valuable consideration, as described in the Policy on Technology and Literary and Artistic Works, published in the 1993-1994 Vanderbilt Faculty Manual, as such policy is amended from time to time, the sufficiency and adequacy and receipt of which are hereby acknowledged, I, the INVENTOR, agree is using and hereby do sell, assign and hereby do sell, assign and transfer unto said VANDERBILT UNIVERSITY the entire right, title and interest in and to said invention and application throughout the world, including, without limitation, any Letters Pattern which may issue thereon, and any subsequent application claiming priority to the above-identified application, reissue mexamination, divisional, continuation-in-part, extension or continuation interest and all rights of priority under the Paris Convention arising from said applications, and all other rights in the INVENTION possessed by the INVENTION possessed by the INVENTION including the right to bring suit for damages due to past infringements; the same for VANDERBILT UNIVERSITY including the right to bring suit for damages due to past infringements; the same for VANDERBILT UNIVERSITY including the right in brings with fault applications, petitions, oaths and assignments or other papers and instrument without further consideration any and all applications, petitions, oaths and assignment, transfer and conveyance here made or intended to be made and general	ന്നു സംഗ	23. noitesilmes badoesse
WHEREAS, Vanderbilt University having an office and place of business at 305 Kirkland Hall, 2201 Wes End Avenue, Nashville, Tennessee, 37248, USA, is desirous of acquiring the entire interest in the same; NOW, THEREFORE, for good and valuable consideration, as described in the Policy on Technology and Literary and Artistic Works, published in the 1993-1994 Vanderbilt Faculty Manual, as such policy is amended from time to time, the sufficiency and adequacy and receipt of which are hereby acknowledged, I, the INVENTOR, agree it assign and hereby do sell, assign and transfer into eald VANDERBILT UNIVERSITY the entire right, title and interest in and to and invention and application throughout the world, including, without limitation, any Letters Paten which may issue therein, and any subsequent application claiming priority to the above-identified application, reissue reexamination, divisional, continuation-in-part, extension or centinuation thereof and all rights of priority under the Paris Convention arising from said application, and all other rights in the INVENTION possessed by the INVENTO including the right to bring suit for damages due to past infringements; the same for VANDERBILT UNIVERSITY including the right to bring suit for damages due to past infringements; the same for VANDERBILT UNIVERSITY without further consideration any and all applications, petitions, eaths and assignments or other papers and instrument which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance here made or intended to be made and generally do everything possible to aid VANDERBILT UNIVERSITY, its legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries throughout the world; AND, I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment. LEGAL NAME OF INVENTOR Inventor: Timothy A. Sullivan	- The above-in - I believe tha - I berehv ack	lestified application was made or authorized to be made by me. I am the original inventor or an original joint inventor of a claimed invention in the application. Howledge that any willful false statement made in this declaration is punishable under 18 USC
End Avenue, Nashville, Trancasses, 37240, USA, is desirous of acquiring the entire interest in the Same, NOW, THEREFORE, for good and valuable consideration, as described in the Policy on Technology and Literary and Astistic Works, published in the 1993-1994 Vanderbilt Faculty Manual, as such policy is amended from time to time, the sufficiency and adequacy and receipt of which are hereby acknowledged, I, the INVENTOR, agree i assign and hereby do sell, assign and transfer unto said VANDERBILT UNIVERSITY the entire right, stille and interest in and to said invention and application throughout the world, including, without limitation, any Letters Paten which may issue thereon, and any subsequent application claiming priority to the above-identified application, relevan which may issue thereon, and any subsequent application claiming priority to the above-identified application, relevan mexamination, divisional, continuation-in-part, extension or continuation thereof and all rights of priority under the Paris Convention arising from said application, and all other rights in the INVENTION possessed by the INVENTO including the right to bring suit for damages due to past infringements; the same for VANDERBILT UNIVERSITY legal representatives and assigns, as fully and entirely as the same would have been held by us had this assignment an sale not been made; AND, I hereby bind myself, my heirs, legal representatives, administrators and assign properly to execute without further consideration any and all applications, petitions, oaths and assignments or other papers and instrument which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance here unade or intended to be made and generally do everything possible to aid VANDERBILT UNIVERSITY, its legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries throughout the world; AND, I hereby covenant that no assignment, sale, agreement or encumbrance has been or wil		<u>assignment</u>
NOW, THEREFORE, for good and valuable consideration, as described in the Policy on Technology and Literary and Artistic Works, published in the 1993-1994 Vanderbill Faculty Manual, as such policy is amended from time to time, the sufficiency and adequacy and receipt of which are hereby acknowledged, I, the INVENTOR, agree if assign and hereby do sell, assign and transfer unto easid VANDERBILT UNIVERSITY the entire right, title and interest in and to said invention and application throughout the world, including, without limitation, any Letters Patter which may issue thereon, and any subsequent application claiming priority to the above-identified application, selsoue reasonimation, divisional, continuation-in-part, extension or continuation thereof and all rights of priority under the reasonimation arising from said application, and all other rights in the INVENTON possessed by the INVENTO including the right to bring suit for damages due to past infringements; the same for VANDERBILT UNIVERSITY legal representatives and assigns, as fully and entirely as the same would have been held by us had this assignment an easie not been made: AND, I hereby bind myself, my heirs, legal representatives, administrators and assign properly to execute without further consideration any and all applications, petitions, cashs and assignments or other papers and instrument which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance here without further consideration and generally do everything possible to aid VANDERBILT UNIVERSITY, its legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries throughout the world; AND, I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment. LEGAL NAME OF INVENTOR Inventor: Timothy A. Sullivan Date:	WHEREAS End Avenne, Nashy	. Vanderbilt University having an office and place of business at 305 Kirkland Hall, 2201 West ille, Tennessee, 37240, USA, is desirous of acquiring the entire interest in the same;
AND, I hereby bind myself, my heirs, legal representatives, administrators and assign properly to execute without further consideration any and all applications, petitions, patitis and assignments or other papers and instrument which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance here made or intended to be made and generally do everything possible to aid VANDERBILT UNIVERSITY, its legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries throughout the world; AND, I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment. LEGAL NAME OF INVENTOR Inventor: Timothy A. Sullivan Date: Date:	interest in and to and which may issue the reexamination, divis Paris Convention and including the right to legal representatives	I invention and application throughout the worth, including, which includes application, release, con, and any subsequent application claiming priority to the above-identified application, release, ional, continuation-in-part, extension or continuation thereof and all rights of priority under the sing from said application, and all other rights in the INVENTION possessed by the INVENTION is the same for VANDERBILT UNIVERSITY.
Entered into which would conflict with this assignment. LEGAL NAME OF INVENTOR Inventor: Timothy A. Sullivan Signature:	AND, I her without further cons which may be neces made or intended to representatives and world;	ideration any and all applications, petitions, oaths and assignments of other papers and managements of other papers and conveyance hereb sary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereb be made and generally do everything possible to aid VANDERBILT UNIVERSITY, its legal assigns, to obtain and enforce proper protection for said invention in all countries throughout the
Inventor: Timothy A. Sullivan Date: 4777 Signature: 4 2 1 2	AND, I be entered into which t	would conflict with this assignment.
Signature:	LEGAL NAME O	FINVENTOR
	Inventor: Ti	nothy A. Sullivan Date: 411
month Corilia P. Torn Date: 6/29/19	Signature:	
WHEED LEVEL OF THE PROPERTY OF	Witness: (ecilia P. Toro Date: 6/27/17

RECORDED: 11/02/2017

PATENT REEL: 044361 FRAME: 0071