**PATENT ASSIGNMENT COVER SHEET**

**SUBMISSION TYPE:** NEW ASSIGNMENT  
**NATURE OF CONVEYANCE:** ASSIGNMENT  

**CONVEYING PARTY DATA**  
<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>P. JEFFREY CONN</td>
<td>09/07/2017</td>
</tr>
<tr>
<td>CRAIG W LINDSLEY</td>
<td>09/07/2017</td>
</tr>
<tr>
<td>ANDREW FELTS</td>
<td>09/07/2017</td>
</tr>
</tbody>
</table>

**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**  
<table>
<thead>
<tr>
<th>Property Type</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Number</td>
<td>15694465</td>
</tr>
</tbody>
</table>

**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/17033U  
**NAME OF SUBMITTER:** FRANCINE M VANAELST  
**SIGNATURE:** /Francine VanAelst/  
**DATE SIGNED:** 11/06/2017  
This document serves as an Oath/Declaration (37 CFR 1.63).  

Total Attachments: 3
DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION
USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention: Benzomorphone and Benzomorpholine-Substituted Compounds as MGLUR4 Allosteric
Potentiators, Compositions, and Methods of Treating Neurological Dysfunction

DECLARATION

As a below-named inventor I hereby declare that:
- This declaration is directed to:
  - The attached application, or
  - United States application or PCT international application number 15/694,465 filed on September 1,
    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 West
End 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 to
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 Patent
which may issue thereon, and any subsequent application claiming priority to the above-identified application, reissue,
reexamination, 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 INVENTOR,
including the right to bring suit for damages due to past infringements; the same for VANDERBILT UNIVERSITY’S
legal representatives and assigns, as fully and entirely as the same would have been held by us had this assignment and
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 instruments
which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby
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: Andrew Felts Date: 9/7/17
Signature:  
Witness: Angela Collins Date: 9/7/17
Signature:  

PATENT
REEL: 044042 FRAME: 0928
COMBINATION ASSIGNMENT-STATEMENT

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION
USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

| Title of Invention: | Benzomorpholine and Benzomorpholine-Substituted Compounds as MGLUR4 Allosteric Potentiators, Compositions, and Methods of Treating Neurological Dysfunction |

**DECLARATION**

As a below named inventor I hereby declare that:

- This declaration is directed to:
  - ☑ United States application or PCT international application number 15/694,463 filed on September 1, 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 West End 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 to 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 Patent which may issue thereon, and any subsequent application claiming priority to the above-identified application, reissue, reexamination, 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 INVENTOR, including the right to bring suit for damages due to past infringements; the same for VANDERBILT UNIVERSITY’S legal representatives and assigns, as fully and entirely as the same would have been held by us had this assignment and 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 instruments which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby 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: | R. Jeffrey Conn. | Date: | 9/7/2017 |
| Signature: | | |
| Witness: | Angela Collins | Date: | 9/7/2017 |
| Signature: | | |
DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION
USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention: Benzomorpholine and Benzomorpholine-Substituted Compounds as MGLUR4 Allosteric Potentiators, Compositions, and Methods of Treating Neurological Dysfunction

DECLARATION

As a below named inventor I hereby declare that:

- This declaration is directed to:
  - United States application or PCT international application number 15/694,465 filed on September 1, 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 West End 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 to 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 Patent which may issue thereon, and any subsequent application claiming priority to the above-identified application, reissue, reexamination, 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 INVENTOR, including the right to bring suit for damages due to past infringements; the same for VANDERBILT UNIVERSITY’S legal representatives and assigns, as fully and entirely as the same would have been held by us had this assignment and 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, patents and assignments or other papers and instruments which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby 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: Craig W. Lindley

Signature: [Signature]

Date: 07-Sept-2017

Witness: [Signature]

Date: [Signature]

Attorney Docket No.: 11572N/170331U
Vu Reference No.: VU170331U81

PATENT
REEL: 044042 FRAME: 0930

RECORDED: 11/06/2017