

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4423540

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JILLIAN BASINGER	07/28/2016
BRETT BOOKSER	07/28/2016
MI CHEN	08/15/2016
DEMICHAEL CHUNG	07/28/2016
VARSHA GUPTA	08/03/2016
ANDREW HUDSON	08/08/2016
ALAN KAPLAN	07/27/2016
JAMES NA	07/28/2016
JOEL RENICK	07/28/2016
VINCENT SANTORA	07/28/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DART NEUROSCIENCE, LLC
<b>Street Address:</b>	12278 SCRIPPS SUMMIT DRIVE
<b>City:</b>	SAN DIEGO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92131
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15306064
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(949)760-9502
<i>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.</i>	
<b>Phone:</b>	9497600404
<b>Email:</b>	efiling@knobbe.com
<b>Correspondent Name:</b>	KNOBBE MARTENS OLSON & BEAR LLP
<b>Address Line 1:</b>	2040 MAIN STREET
<b>Address Line 4:</b>	IRVINE, CALIFORNIA 92614
<b>ATTORNEY DOCKET NUMBER:</b>	DNS.017NP

<b>NAME OF SUBMITTER:</b>	RYAN E. MELNICK
<b>SIGNATURE:</b>	/Ryan Melnick/
<b>DATE SIGNED:</b>	05/19/2017
<b>Total Attachments: 20</b> source=2017-05-15 Executed Assignment (Inventors to LLC)-DNS.017NP #page1.tif source=2017-05-15 Executed Assignment (Inventors to LLC)-DNS.017NP #page2.tif source=2017-05-15 Executed Assignment (Inventors to LLC)-DNS.017NP #page3.tif source=2017-05-15 Executed Assignment (Inventors to LLC)-DNS.017NP #page4.tif source=2017-05-15 Executed Assignment (Inventors to LLC)-DNS.017NP #page5.tif source=2017-05-15 Executed Assignment (Inventors to LLC)-DNS.017NP #page6.tif source=2017-05-15 Executed Assignment (Inventors to LLC)-DNS.017NP #page7.tif source=2017-05-15 Executed Assignment (Inventors to LLC)-DNS.017NP #page8.tif source=2017-05-15 Executed Assignment (Inventors to LLC)-DNS.017NP #page9.tif source=2017-05-15 Executed Assignment (Inventors to LLC)-DNS.017NP #page10.tif source=2017-05-15 Executed Assignment (Inventors to LLC)-DNS.017NP #page11.tif source=2017-05-15 Executed Assignment (Inventors to LLC)-DNS.017NP #page12.tif source=2017-05-15 Executed Assignment (Inventors to LLC)-DNS.017NP #page13.tif source=2017-05-15 Executed Assignment (Inventors to LLC)-DNS.017NP #page14.tif source=2017-05-15 Executed Assignment (Inventors to LLC)-DNS.017NP #page15.tif source=2017-05-15 Executed Assignment (Inventors to LLC)-DNS.017NP #page16.tif source=2017-05-15 Executed Assignment (Inventors to LLC)-DNS.017NP #page17.tif source=2017-05-15 Executed Assignment (Inventors to LLC)-DNS.017NP #page18.tif source=2017-05-15 Executed Assignment (Inventors to LLC)-DNS.017NP #page19.tif source=2017-05-15 Executed Assignment (Inventors to LLC)-DNS.017NP #page20.tif	

## ASSIGNMENT OF PATENT RIGHTS

Whereas, Jillian Basinger (hereinafter "Assignor") is an inventor on

Application No.	Date Filed	Title
PCT/US2015/027127	April 22, 2015	SUBSTITUTED 2,4,5,6-TETRAHYDROPYRROLO[3,4-C]PYRAZOLE AND 4,5,6,7-TETRAHYDRO-2H-PYRAZOLO[4,3-C]PYRIDINE COMPOUNDS AS GLYT1 INHIBITORS

Whereas, DART NEUROSCIENCE, LLC, of 12278 Scripps Summit Drive, San Diego, CA 92131, United States of America,

its heirs, successors, legal representatives and assigns (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said invention(s) and in and to any Letters Patent(s) that may be granted therefore in the United States of America and in any foreign countries.

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns:

the entire right, title and interest in, to, and under the invention(s), including the right to sue for past infringement, and all patents of the United States, to the extent not already assigned to Assignee, which may be granted thereon and all reissues and extensions thereof;

any and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which have already been and which may hereafter be filed for the invention(s) in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from the patent under the patent laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and

any and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention(s) in any country or countries foreign to the United States; and any extensions, divisionals, renewals, reissues, and any other forms of subsequent protection thereof.

Assignor authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents, to issue the same to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

Assignor covenants and agrees that it has the full right to convey the entire interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict herewith;

Assignor covenants and agrees that it will execute all papers that the Assignee may deem necessary or expedient in connection with any and all applications described in this document, as well as any continuing, divisional, conversion, reissue, foreign, or other applications.

Assignor covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any material facts known to Assignor respecting the invention(s), and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper protection for the invention(s), in all countries.

IN WITNESS WHEREOF, Assignor has caused this Agreement to be executed on this 28 day of July, 2016.

Signature of Assignor: \_\_\_\_\_

Signature before a Notary is desirable but not required.

A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

#### CERTIFICATE OF ACKNOWLEDGEMENT

STATE OF CALIFORNIA }  
COUNTY OF SAN DIEGO } ss.

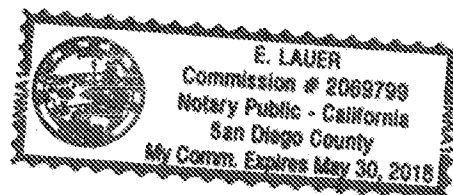
On July 28, 2016, before me, E. Lauer, notary public, personally appeared Jillian Basinger,

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature \_\_\_\_\_ (Seal)



## ASSIGNMENT OF PATENT RIGHTS

Whereas, Brett Bookser (hereinafter "Assignor") is an inventor on

Application No.	Date Filed	Title
PCT/US2015/027127	April 22, 2015	SUBSTITUTED 2,4,5,6-TETRAHYDROPYRROLO[3,4-C]PYRAZOLE AND 4,5,6,7-TETRAHYDRO-2H-PYRAZOLO[4,3-C]PYRIDINE COMPOUNDS AS GLYT1 INHIBITORS

Whereas, DART NEUROSCIENCE, LLC, of 12278 Scripps Summit Drive, San Diego, CA 92131, United States of America,

its heirs, successors, legal representatives and assigns (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said invention(s) and in and to any Letters Patent(s) that may be granted therefore in the United States of America and in any foreign countries.

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns:

the entire right, title and interest in, to, and under the invention(s), including the right to sue for past infringement, and all patents of the United States, to the extent not already assigned to Assignee, which may be granted thereon and all reissues and extensions thereof;

any and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which have already been and which may hereafter be filed for the invention(s) in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from the patent under the patent laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and

any and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention(s) in any country or countries foreign to the United States; and any extensions, divisionals, renewals, reissues, and any other forms of subsequent protection thereof.

Assignor authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents, to issue the same to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

Assignor covenants and agrees that it has the full right to convey the entire interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict herewith;

Assignor covenants and agrees that it will execute all papers that the Assignee may deem necessary or expedient in connection with any and all applications described in this document, as well as any continuing, divisional, conversion, reissue, foreign, or other applications.

Assignor covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any material facts known to Assignor respecting the invention(s), and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper protection for the invention(s), in all countries.

IN WITNESS WHEREOF, Assignor has caused this Agreement to be executed on this 28<sup>th</sup> day of July, 2016.

Signature of Assignor: \_\_\_\_\_

Signature before a Notary is desirable but not required.

A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

#### CERTIFICATE OF ACKNOWLEDGEMENT

STATE OF CALIFORNIA }  
COUNTY OF SAN DIEGO } ss.

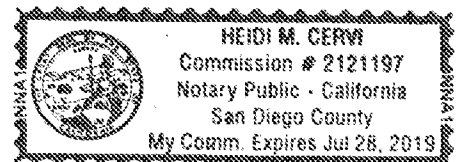
On July 28, 2016, before me, Heidi M. Cerwi, notary public, personally appeared Brett Bookser,

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Heidi M. Cerwi (Seal)



## ASSIGNMENT OF PATENT RIGHTS

Whereas, Mi Chen (hereinafter "Assignor") is an inventor on

Application No.	Date Filed	Title
PCT/US2015/027127	April 22, 2015	SUBSTITUTED 2,4,5,6-TETRAHYDROPYRROLO[3,4-C]PYRAZOLE AND 4,5,6,7-TETRAHYDRO-2H-PYRAZOLO[4,3-C]PYRIDINE COMPOUNDS AS GLYT1 INHIBITORS

Whereas, DART NEUROSCIENCE, LLC, of 12278 Scripps Summit Drive, San Diego, CA 92131, United States of America,

its heirs, successors, legal representatives and assigns (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said invention(s) and in and to any Letters Patent(s) that may be granted therefore in the United States of America and in any foreign countries.

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns:

the entire right, title and interest in, to, and under the invention(s), including the right to sue for past infringement, and all patents of the United States, to the extent not already assigned to Assignee, which may be granted thereon and all reissues and extensions thereof;

any and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which have already been and which may hereafter be filed for the invention(s) in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from the patent under the patent laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and

any and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention(s) in any country or countries foreign to the United States; and any extensions, divisionals, renewals, reissues, and any other forms of subsequent protection thereof.

Assignor authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents, to issue the same to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

Assignor covenants and agrees that it has the full right to convey the entire interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict herewith;

Assignor covenants and agrees that it will execute all papers that the Assignee may deem necessary or expedient in connection with any and all applications described in this document, as well as any continuing, divisional, conversion, reissue, foreign, or other applications.

Assignor covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any material facts known to Assignor respecting the invention(s), and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper protection for the invention(s), in all countries.

IN WITNESS WHEREOF, Assignor has caused this Agreement to be executed on this 15 day of August, 2016.

Signature of Assignor: Mi Chen

Signature before a Notary is desirable but not required.

A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

#### CERTIFICATE OF ACKNOWLEDGEMENT

STATE OF CALIFORNIA }  
COUNTY OF SAN DIEGO } ss.

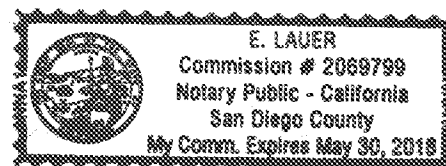
On August 15, 2016, before me, E. Lauer, notary public, personally appeared Mi Chen,

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature [Signature] (Seal)







## ASSIGNMENT OF PATENT RIGHTS

Whereas, DeMichael Chung (hereinafter "Assignor") is an inventor on

Application No.	Date Filed	Title
PCT/US2015/027127	April 22, 2015	SUBSTITUTED 2,4,5,6-TETRAHYDROPYRROLO[3,4-C]PYRAZOLE AND 4,5,6,7-TETRAHYDRO-2H-PYRAZOLO[4,3-C]PYRIDINE COMPOUNDS AS GLYT1 INHIBITORS

Whereas, DART NEUROSCIENCE, LLC, of 12278 Scripps Summit Drive, San Diego, CA 92131, United States of America,

its heirs, successors, legal representatives and assigns (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said invention(s) and in and to any Letters Patent(s) that may be granted therefore in the United States of America and in any foreign countries.

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns:

the entire right, title and interest in, to, and under the invention(s), including the right to sue for past infringement, and all patents of the United States, to the extent not already assigned to Assignee, which may be granted thereon and all reissues and extensions thereof;

any and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which have already been and which may hereafter be filed for the invention(s) in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from the patent under the patent laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and

any and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention(s) in any country or countries foreign to the United States; and any extensions, divisionals, renewals, reissues, and any other forms of subsequent protection thereof.

Assignor authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents, to issue the same to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

Assignor covenants and agrees that it has the full right to convey the entire interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict herewith;

Assignor covenants and agrees that it will execute all papers that the Assignee may deem necessary or expedient in connection with any and all applications described in this document, as well as any continuing, divisional, conversion, reissue, foreign, or other applications.

Assignor covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any material facts known to Assignor respecting the invention(s), and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper protection for the invention(s), in all countries.

IN WITNESS WHEREOF, Assignor has caused this Agreement to be executed on this 28 day of July, 2016.

Signature of Assignor: \_\_\_\_\_

Signature before a Notary is desirable but not required.

A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

#### CERTIFICATE OF ACKNOWLEDGEMENT

STATE OF CALIFORNIA }  
COUNTY OF SAN DIEGO } ss.

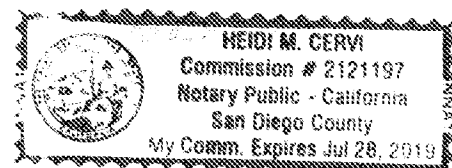
On July 28, 2016, before me, Heidi M. Cervi, notary public, personally appeared DeMichael Chung,

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Heidi M. Cervi (Seal)



## ASSIGNMENT OF PATENT RIGHTS

Whereas, Varsha Gupta (hereinafter "**Assignor**") is an inventor on

Application No.	Date Filed	Title
PCT/US2015/027127	April 22, 2015	SUBSTITUTED 2,4,5,6-TETRAHYDROPYRROLO[3,4-C]PYRAZOLE AND 4,5,6,7-TETRAHYDRO-2H-PYRAZOLO[4,3-C]PYRIDINE COMPOUNDS AS GLYT1 INHIBITORS

Whereas, DART NEUROSCIENCE, LLC, of 12278 Scripps Summit Drive, San Diego, CA 92131, United States of America,

its heirs, successors, legal representatives and assigns (hereinafter "**Assignee**") is desirous of acquiring the entire right, title and interest in and to said invention(s) and in and to any Letters Patent(s) that may be granted therefore in the United States of America and in any foreign countries.

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns:

the entire right, title and interest in, to, and under the invention(s), including the right to sue for past infringement, and all patents of the United States, to the extent not already assigned to Assignee, which may be granted thereon and all reissues and extensions thereof;

any and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which have already been and which may hereafter be filed for the invention(s) in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from the patent under the patent laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and

any and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention(s) in any country or countries foreign to the United States; and any extensions, divisionals, renewals, reissues, and any other forms of subsequent protection thereof.

**Assignor** authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents, to issue the same to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

**Assignor** covenants and agrees that it has the full right to convey the entire interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict herewith;

**Assignor** covenants and agrees that it will execute all papers that the Assignee may deem necessary or expedient in connection with any and all applications described in this document, as well as any continuing, divisional, conversion, reissue, foreign, or other applications.

**Assignor** covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any material facts known to Assignor respecting the invention(s), and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper protection for the invention(s), in all countries.

IN WITNESS WHEREOF, Assignor has caused this Agreement to be executed on this 3 day of AUGUST, 2016.

Signature of Assignor: Varsha Gupta

Signature before a Notary is desirable but not required.

A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

#### CERTIFICATE OF ACKNOWLEDGEMENT

STATE OF CALIFORNIA }  
COUNTY OF SAN DIEGO } ss.

On Aug 3, 2016, before me, Diane E. DeWitt, notary public, personally appeared Varsha Gupta,

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Diane E. DeWitt (Seal)



## ASSIGNMENT OF PATENT RIGHTS

Whereas, Andrew Hudson (hereinafter "Assignor") is an inventor on

Application No.	Date Filed	Title
PCT/US2015/027127	April 22, 2015	SUBSTITUTED 2,4,5,6-TETRAHYDROPYRROLO[3,4-C]PYRAZOLE AND 4,5,6,7-TETRAHYDRO-2H-PYRAZOLO[4,3-C]PYRIDINE COMPOUNDS AS GLYT1 INHIBITORS

Whereas, DART NEUROSCIENCE, LLC, of 12278 Scripps Summit Drive, San Diego, CA 92131, United States of America,

its heirs, successors, legal representatives and assigns (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said invention(s) and in and to any Letters Patent(s) that may be granted therefore in the United States of America and in any foreign countries.

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns:

the entire right, title and interest in, to, and under the invention(s), including the right to sue for past infringement, and all patents of the United States, to the extent not already assigned to Assignee, which may be granted thereon and all reissues and extensions thereof;

any and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which have already been and which may hereafter be filed for the invention(s) in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from the patent under the patent laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and

any and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention(s) in any country or countries foreign to the United States; and any extensions, divisionals, renewals, reissues, and any other forms of subsequent protection thereof.

Assignor authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents, to issue the same to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

Assignor covenants and agrees that it has the full right to convey the entire interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict herewith;

Assignor covenants and agrees that it will execute all papers that the Assignee may deem necessary or expedient in connection with any and all applications described in this document, as well as any continuing, divisional, conversion, reissue, foreign, or other applications.

Assignor covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any material facts known to Assignor respecting the invention(s), and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper protection for the invention(s), in all countries.

IN WITNESS WHEREOF, Assignor has caused this Agreement to be executed on this 8<sup>th</sup> day of August, 2016.

Signature of Assignor: \_\_\_\_\_

Signature before a Notary is desirable but not required.

A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

#### CERTIFICATE OF ACKNOWLEDGEMENT

STATE OF CALIFORNIA }  
COUNTY OF SAN DIEGO } ss.

On August 8, 2016 before me, E. Lauer, notary public, personally appeared Andrew Richard Hudson,

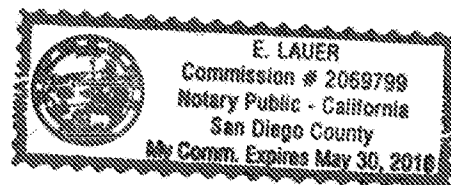
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

(Seal)



## ASSIGNMENT OF PATENT RIGHTS

Whereas, Alan Kaplan (hereinafter "Assignor") is an inventor on

Application No.	Date Filed	Title
PCT/US2015/027127	April 22, 2015	SUBSTITUTED 2,4,5,6-TETRAHYDROPYRROLO[3,4-C]PYRAZOLE AND 4,5,6,7-TETRAHYDRO-2H-PYRAZOLO[4,3-C]PYRIDINE COMPOUNDS AS GLYT1 INHIBITORS

Whereas, DART NEUROSCIENCE, LLC, of 12278 Scripps Summit Drive, San Diego, CA 92131, United States of America,

its heirs, successors, legal representatives and assigns (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said invention(s) and in and to any Letters Patent(s) that may be granted therefore in the United States of America and in any foreign countries.

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns:

the entire right, title and interest in, to, and under the invention(s), including the right to sue for past infringement, and all patents of the United States, to the extent not already assigned to Assignee, which may be granted thereon and all reissues and extensions thereof;

any and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which have already been and which may hereafter be filed for the invention(s) in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from the patent under the patent laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and

any and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention(s) in any country or countries foreign to the United States; and any extensions, divisionals, renewals, reissues, and any other forms of subsequent protection thereof.

Assignor authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents, to issue the same to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

Assignor covenants and agrees that it has the full right to convey the entire interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict herewith;

Assignor covenants and agrees that it will execute all papers that the Assignee may deem necessary or expedient necessary in connection with any and all applications described in this document, as well as any continuing, divisional, conversion, reissue, foreign, or other applications.

Assignor covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any material facts known to Assignor respecting the invention(s), and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper protection for the invention(s), in all countries.

IN WITNESS WHEREOF, Assignor has caused this Agreement to be executed on this 27<sup>th</sup> day of July, 2016.

Signature of Assignor: *Alan Paul Kaplan*

Signature before a Notary is desirable but not required.

#### CERTIFICATE OF ACKNOWLEDGEMENT

STATE OF CALIFORNIA }  
COUNTY OF SAN DIEGO } ss.

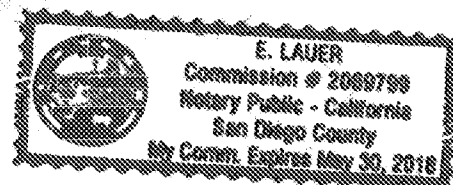
On 7/27/16, before me, E. Lauer, notary public, personally appeared Alan Paul Kaplan

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature *E. Lauer* (Seal)





## ASSIGNMENT OF PATENT RIGHTS

Whereas, James Na (hereinafter "Assignor") is an inventor on

Application No.	Date Filed	Title
PCT/US2015/027127	April 22, 2015	SUBSTITUTED 2,4,5,6-TETRAHYDROPYRROLO[3,4-C]PYRAZOLE AND 4,5,6,7-TETRAHYDRO-2H-PYRAZOLO[4,3-C]PYRIDINE COMPOUNDS AS GLYT1 INHIBITORS

Whereas, DART NEUROSCIENCE, LLC, of 12278 Scripps Summit Drive, San Diego, CA 92131, United States of America,

its heirs, successors, legal representatives and assigns (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said invention(s) and in and to any Letters Patent(s) that may be granted therefore in the United States of America and in any foreign countries.

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns:

the entire right, title and interest in, to, and under the invention(s), including the right to sue for past infringement, and all patents of the United States, to the extent not already assigned to Assignee, which may be granted thereon and all reissues and extensions thereof;

any and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which have already been and which may hereafter be filed for the invention(s) in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from the patent under the patent laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and

any and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention(s) in any country or countries foreign to the United States; and any extensions, divisionals, renewals, reissues, and any other forms of subsequent protection thereof.

Assignor authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents, to issue the same to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

Assignor covenants and agrees that it has the full right to convey the entire interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict herewith;

Assignor covenants and agrees that it will execute all papers that the Assignee may deem necessary or expedient in connection with any and all applications described in this document, as well as any continuing, divisional, conversion, reissue, foreign, or other applications.

Assignor covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any material facts known to Assignor respecting the invention(s), and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper protection for the invention(s), in all countries.

IN WITNESS WHEREOF, Assignor has caused this Agreement to be executed on this 28 day of July, 2016.

Signature of Assignor: \_\_\_\_\_

Signature before a Notary is desirable but not required.

A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

#### CERTIFICATE OF ACKNOWLEDGEMENT

STATE OF CALIFORNIA }  
COUNTY OF SAN DIEGO } ss.

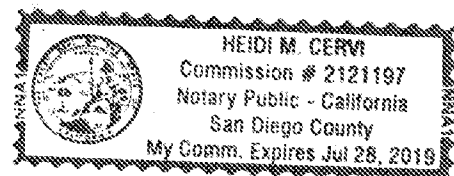
On July 29, 2016, before me, Heidi M. Cervi, notary public, personally appeared James Na.

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Heidi M. Cervi (Seal)



## ASSIGNMENT OF PATENT RIGHTS

Whereas, Joel Renick (hereinafter "Assignor") is an inventor on

Application No.	Date Filed	Title
PCT/US2015/027127	April 22, 2015	SUBSTITUTED 2,4,5,6-TETRAHYDROPYRROLO[3,4-C]PYRAZOLE AND 4,5,6,7-TETRAHYDRO-2H-PYRAZOLO[4,3-C]PYRIDINE COMPOUNDS AS GLYT1 INHIBITORS

Whereas, DART NEUROSCIENCE, LLC, of 12278 Scripps Summit Drive, San Diego, CA 92131, United States of America,

its heirs, successors, legal representatives and assigns (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said invention(s) and in and to any Letters Patent(s) that may be granted therefore in the United States of America and in any foreign countries.

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns:

the entire right, title and interest in, to, and under the invention(s), including the right to sue for past infringement, and all patents of the United States, to the extent not already assigned to Assignee, which may be granted thereon and all reissues and extensions thereof;

any and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which have already been and which may hereafter be filed for the invention(s) in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from the patent under the patent laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and

any and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention(s) in any country or countries foreign to the United States; and any extensions, divisionals, renewals, reissues, and any other forms of subsequent protection thereof.

Assignor authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents, to issue the same to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

Assignor covenants and agrees that it has the full right to convey the entire interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict herewith;

Assignor covenants and agrees that it will execute all papers that the Assignee may deem necessary or expedient in connection with any and all applications described in this document, as well as any continuing, divisional, conversion, reissue, foreign, or other applications.

Assignor covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any material facts known to Assignor respecting the invention(s), and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper protection for the invention(s), in all countries.

IN WITNESS WHEREOF, Assignor has caused this Agreement to be executed on this 28<sup>th</sup> day of JULY, 2016.

Signature of Assignor: \_\_\_\_\_

Signature before a Notary is desirable but not required.

A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

#### CERTIFICATE OF ACKNOWLEDGEMENT

STATE OF CALIFORNIA }  
COUNTY OF SAN DIEGO } ss.

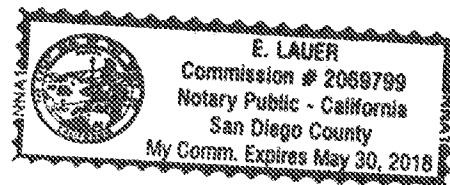
On July 28, 2016, before me, E. Lauer, notary public, personally appeared Joel Israel Renick

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature \_\_\_\_\_ (Seal)



## ASSIGNMENT OF PATENT RIGHTS

Whereas, Vincent Santora (hereinafter "Assignor") is an inventor on

Application No.	Date Filed	Title
PCT/US2015/027127	April 22, 2015	SUBSTITUTED 2,4,5,6-TETRAHYDROPYRROLO[3,4-C]PYRAZOLE AND 4,5,6,7-TETRAHYDRO-2H-PYRAZOLO[4,3-C]PYRIDINE COMPOUNDS AS GLYT1 INHIBITORS

Whereas, DART NEUROSCIENCE, LLC, of 12278 Scripps Summit Drive, San Diego, CA 92131, United States of America,

its heirs, successors, legal representatives and assigns (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said invention(s) and in and to any Letters Patent(s) that may be granted therefore in the United States of America and in any foreign countries.

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns:

the entire right, title and interest in, to, and under the invention(s), including the right to sue for past infringement, and all patents of the United States, to the extent not already assigned to Assignee, which may be granted thereon and all reissues and extensions thereof;

any and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which have already been and which may hereafter be filed for the invention(s) in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from the patent under the patent laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and

any and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention(s) in any country or countries foreign to the United States; and any extensions, divisionals, renewals, reissues, and any other forms of subsequent protection thereof.

Assignor authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents, to issue the same to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

**Assignor** covenants and agrees that it has the full right to convey the entire interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict herewith;

**Assignor** covenants and agrees that it will execute all papers that the Assignee may deem necessary or expedient in connection with any and all applications described in this document, as well as any continuing, divisional, conversion, reissue, foreign, or other applications.

**Assignor** covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any material facts known to Assignor respecting the invention(s), and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper protection for the invention(s), in all countries.

IN WITNESS WHEREOF, Assignor has caused this Agreement to be executed on this 28 day of July, 2016.

Signature of Assignor: \_\_\_\_\_

Signature before a Notary is desirable but not required.

A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

#### CERTIFICATE OF ACKNOWLEDGEMENT

STATE OF CALIFORNIA

ss.

COUNTY OF SAN DIEGO

On July 28, 2016, before me, E. Lauer, notary public, personally appeared Vincent John Santora,

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature \_\_\_\_\_ (Seal)

