504376845 05/19/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4423540

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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

RECEIVING PARTY DATA

Name:	DART NEUROSCIENCE, LLC		
Street Address:	12278 SCRIPPS SUMMIT DRIVE		
City:	SAN DIEGO		
State/Country:	CALIFORNIA		
Postal Code:	92131		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15306064

CORRESPONDENCE DATA

Fax Number: (949)760-9502

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: 9497600404

Email: efiling@knobbe.com

Correspondent Name: KNOBBE MARTENS OLSON & BEAR LLP

Address Line 1: 2040 MAIN STREET

Address Line 4: IRVINE, CALIFORNIA 92614

ATTORNEY DOCKET NUMBER: DNS.017NP

PATENT REEL: 042441 FRAME: 0977

504376845

NAME OF SUBMITTER:	RYAN E. MELNICK
SIGNATURE:	/Ryan Melnick/
DATE SIGNED:	05/19/2017

Total Attachments: 20

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

> PATENT REEL: 042441 FRAME: 0978



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.

Inventor: Jillian Basinger Filed: April 22, 2015

100 D

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.

IN WITNESS WHEREOF, Assignor has caused this Agreement to be executed on this da of 2016.
Signature of Assignor: Signature before a Notacy 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 SS.
On July 28, 2016, before me, E. Law., notary public, personally appeared Jillian Basingar,
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) E. LAUER Commission 2069799 Notary Public - California San Disgo County Say Commy



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

Application No.	Date Filed	Title
PCT/US2015/027127	1 0,0113 000, 200 1.0	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.

Inventor: Brett Bookser Filed: April 22, 2015

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

erry services and the services are services are services and the services are se
Signature of Assignor: SIX BOULE
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
on July 28,2016 before me, Heidi M. Cewi, 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 Hudi M. Chvi (Seal) HEIDI M. CERVI Commission * 2121197 Notary Public - California San Diego County My Comm. Expires Jul 28, 2019



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

Application No.	Date Filed	Title
PCT/US2015/027127		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.

Inventor: Mi Chen Filed: April 22, 2015

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.

IN WITNESS WHEREOF, Assignor has cau of, 2016. Signature of Assignor:		Chen	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Signatu	re before a Not	ary is desirable bu	it not required.
A Notary Public or other officer completing this certificate verificate is attached, and not the truthfulness, accuracy, or valid	ies only the ident	ity of the individual w	ho signed the document to which this
CERTIFICATE OF ACKNOWLEDGEMEN	T		
STATE OF CALIFORNIA ss.			
COUNTY OF SAN DIEGO			
On <u>August 15, 7016</u> , before me, <u>E. La</u> appeared <u>M. Ch-ea</u>	lie/"		, notary public, personally
who proved to me on the basis of satisfactory events subscribed to the within instrument, and acknow his/her/their authorized capacity(ies), and that by person(s), or the entity upon behalf of which the	/ledged to m y his/her/thei	that he/she/the r signature(s) or	y executed the same in the instrument the
I certify under PENALTY OF PERJURY under paragraph is true and correct.	the laws of t	he State of Cali	fornia that the foregoing
WITNESS my hand and official seal.			
Signature (Seal)		E. LAUER Commission # 2069799 Notary Public - California San Diego County My Comm. Expires May 30, 2018



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.

Application No.: PCT/US2015/027127 Inventor: DeMichael Chung Filed: April 22, 2015

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		
Signature of Assignor:		
Signature before a Notaby 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 Solution in the county of		
ppeared Demichael Chung, notary public, personally		
ppeared DLMICHAL Chung,		
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are ubscribed 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 herson(s), or the entity upon behalf of which the person(s) acted, executed the instrument.		
certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing aragraph is true and correct.		
VITNESS my hand and official seal.		
Signature Heidi M. Cavi (Seal) HEIDI M. CERVI Commission # 2121197 Rotsry Public - California Sep Diego County		

My Comm. Expires Jul 28, 2019



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.

Inventor: Varsha Gupta Filed: April 22, 2015

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 _______

of August, 2016.
Signature of Assignor: Varsha Gupla
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 Aug 3 2016, before me, <u>Diane E. De Witt</u> , notary public, personally appeared <u>Varsha Gupta</u>
who proved to me on the basis of satisfactory evidence to be the person(x) whose name(x) is/ere 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(x) on the instrument the person(x), or the entity upon behalf of which the person(x) 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 Commission # 2147878 Notary Public - California San Diego County My Comm. Expires Apr 25, 2020



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.

Inventor: Andrew Hudson Filed: April 22, 2015

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.

IN WITNESS WHEREOF, Assignor has caused this Agreement to be executed on this of 2016.		
Signature of Assignor: ANAM HULOY		
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 August 8, 2016 before me, E. Laue , 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) E. LAUER Commission # 2069799 Notary Public - California San Diego County My Comm. Expires May 30, 2016		



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.

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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.

DNS Docket No.: DNS-1009PCT

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.

IN WITNESS WHEREOF, Assignor has caused this Agreement to be executed on this 27 day of, 2016.		
Signature of Assignor: // / / / / / / / / / / / / / / / / /		
CERTIFICATE OF ACKNOWLEDGEMENT		
STATE OF CALIFORNIA SS, COUNTY OF SAN DIEGO		
On <u>7/27/6</u> , before me, <u>E. Lause</u> , notary public, personally appeared <u>Alan Paul Kaplan</u>		
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) E. LAUER Commission # 2009700 Noticy Public - California San Dayo County Commission # 20090700		



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.

Inventor: James Na Filed: April 22, 2015

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		
Ø	or:	
	Signature before a Netwry is desirable but not required.	
A Notary Public or other officer completing thit certificate is attached, and not the truthfulness,	s certificate verifies only the identity of the individual who signed the document to which this accuracy, or validity of that document.	
Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this ertificate is stasched, and not the truthfulness, accuracy, or validity of that document. ERTIFICATE OF ACKNOWLEDGEMENT FATE OF CALIFORNIA SS. OUNTY OF SAN DIEGO In July 29, 2016, before me, Hua M. Luwi, notary public, personally speared James Na the proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are bescribed to the within instrument, and acknowledged to me that he/she/they executed the same in s/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the erron(s), or the entity upon behalf of which the person(s) acted, executed the instrument. Certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing argraph is true and correct. TINESS my hand and official seal. MEIDI M. CERW Commission * 2121197 Notary Public - California		
STATE OF CALIFORNIA COUNTY OF SAN DIEGO	SS.	
On July 29, 2014, before me, appeared James	Hudi M. Wi , notary public, personally	
who proved to me on the basis of sa subscribed to the within instrument, his/her/their authorized capacity(ies	tisfactory evidence to be the person(s) whose name(s) is/are and acknowledged to me that he/she/they executed the same in), and that by his/her/their signature(s) on the instrument the	
I certify under PENALTY OF PER paragraph is true and correct.	TURY under the laws of the State of California that the foregoing	
WITNESS my hand and official sea	i.	
Signature <u>Huw</u> M.	Commission # 2121197	

My Comm. Expires Jul 28, 2019



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.

Inventor: Joel Renick Filed: April 22, 2015

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.

IN WITNESS WHEREOF, Assignor has caused this Agreement to be executed on this <u> </u>
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, 706, before me, E Laver, notary public, personally appeared Joel tsoel Revide
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) E. LAUER Commission # 2059799 Notary Public - California San Diego County



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.

Inventor: Vincent Santora Filed: April 22, 2015

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 of, 2016.	has caused this Agreement to be executed on this day
§ Signature of Assignor:	and the second s
	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

SIAIE OF CALIFORNIA	ss.
COUNTY OF SAN DIEGO)

On July 29,706, before me, E. Lauer , notary public, personally appeared Nincent John Santon ,

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)

