

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3063514

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CARL H. JUNE	07/29/2013
BRUCE L. LEVINE	07/22/2013
MICHAEL D. KALOS	07/19/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA
<b>Street Address:</b>	3160 CHESTNUT STREET, SUITE 200
<b>City:</b>	PHILADELPHIA
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	19104
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>PCT Number:</b>	US1350287
<b>Application Number:</b>	61671495
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(215)972-1818
<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>	215-972-7734
<b>Email:</b>	IPGroupMailbox@saul.com
<b>Correspondent Name:</b>	KATHRYN DOYLE, SAUL EWING, LLP
<b>Address Line 1:</b>	CENTRE SQUARE WEST
<b>Address Line 2:</b>	1500 MARKET STREET, 38TH FLOOR
<b>Address Line 4:</b>	PHILADELPHIA, PENNSYLVANIA 19102
<b>ATTORNEY DOCKET NUMBER:</b>	046483-6069WO1(00059)
<b>NAME OF SUBMITTER:</b>	KATHRYN DOYLE, REG NO. 36317
<b>SIGNATURE:</b>	/Kathryn Doyle/
<b>DATE SIGNED:</b>	10/14/2014
<b>Total Attachments: 4</b>	
source=046483-6069WO1 Assignment to Penn - June Levine Kalos#page1.tif	
source=046483-6069WO1 Assignment to Penn - June Levine Kalos#page2.tif	

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**PATENT**

**REEL: 033941 FRAME: 0510**

**ASSIGNMENT**

**WHEREAS**, we, **Carl H. JUNE**, a citizen of the United States of America, having a mailing address of 409 Baird Road, Merion Station, PA 19066; **Bruce L. LEVINE**, a citizen of the United States of America, having a mailing address of 1258 Liberty Bell Drive, Cherry Hill, NJ 08003; and, **Michael D. KALOS** a citizen of the United States of America, having a mailing address of 716 Carpenter Lane, Philadelphia, PA 19119; hereinafter generally referred to as "ASSIGNORS," have invented a certain new and useful

**Methods of Assessing The Suitability of Transduced T Cells for Administration**

for which we have filed PCT International Patent Application No. PCT/US2013/050287, filed July 12, 2013, which claims priority to U.S. Provisional Patent Application No. 61/671,495, filed July 13, 2012;

**AND, WHEREAS**, **The Trustees Of The University Of Pennsylvania** hereinafter referred to as the assignee, of **3160 Chestnut Street, Suite 200, Philadelphia, Pennsylvania 19104**, a university of higher education in **Pennsylvania**, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said provisional application, and to any patent application(s) corresponding thereto, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries;

**NOW, THEREFORE**, for and in exchange for valuable consideration from the receipt of which is hereby acknowledged and intending to be bound, we, the said assignors, have sold, assigned, transferred and set over, effective as of the execution date of this assignment and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said provisional application and any and all corresponding patent application(s) and continuations, divisions and renewals of and substitutes for said corresponding patent application(s), and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our names corresponding patent applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

**AND** we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee,

its successors, assigns, nominees or legal representatives, and we agree to communicate to said assignee, or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request 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 of applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, we have hereunto set our hand and seal.

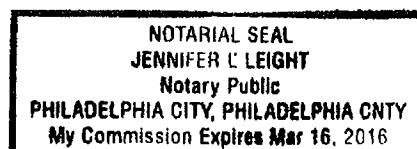
7/29/2013  
Date

Carl H. June  
Carl H. JUNE (Seal)

STATE OF Pennsylvania :  
COUNTY OF Phila : ss.

Before me, a notary public in and for the State and County aforesaid, on this 29 day of July, 2013, personally appeared Carl H. JUNE, who being to me personally known, and who having first executed the foregoing instrument in my presence and have been by me first duly sworn, did acknowledge the foregoing instrument as his/her free deed and act, signed, sealed and delivered by his/her for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

Jennifer C. Leight  
Notary Public  
My Commission Expires: 3-16-16



46483-6069-00-WO.602591  
PENN Y6361  
PATENT

July 22, 2013

Date

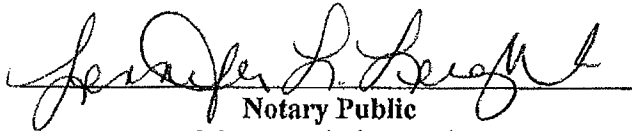


Bruce L. LEVINE

(Seal)

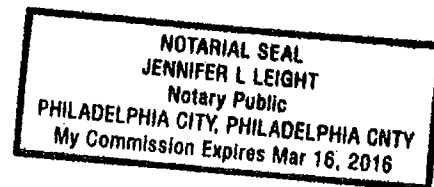
STATE OF Pennsylvania:  
COUNTY OF Philadelphia: ss.

Before me, a notary public in and for the State and County aforesaid, on this 22 day of July, 2013, personally appeared **Bruce L. LEVINE** who being to me personally known, and who having first executed the foregoing instrument in my presence and have been by me first duly sworn, did acknowledge the foregoing instrument as his/her free deed and act, signed, sealed and delivered by his/her for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.



Notary Public

My Commission Expires:



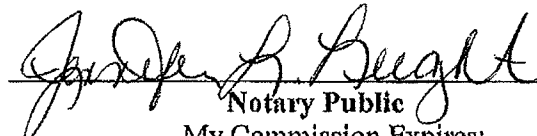
46483-6069-00-WO.602591  
PENN Y6361  
PATENT

July 19, 2013  
Date

  
\_\_\_\_\_  
Michael D. KALOS (Seal)

STATE OF Pennsylvania :  
COUNTY OF Philadelphia : ss.

Before me, a notary public in and for the State and County aforesaid, on this 19<sup>th</sup> day of July, 2013, personally appeared **Michael D. KALOS** who being to me personally known, and who having first executed the foregoing instrument in my presence and have been by me first duly sworn, did acknowledge the foregoing instrument as his/her free deed and act, signed, sealed and delivered by his/her for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

  
\_\_\_\_\_  
Notary Public  
My Commission Expires:

