

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ALAN CROSS	03/19/2015
<b>RECEIVING PARTY DATA</b>	
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14636951
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<b>NAME OF SUBMITTER:</b>	BENJAMIN AARON ADLER
<b>SIGNATURE:</b>	/Benjamin Aaron Adler/
<b>DATE SIGNED:</b>	04/01/2015
<b>Total Attachments: 1</b>	
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ASSIGNMENT

In consideration of UMB's agreement to consider Assignor as a "UMB Inventor" who is entitled to revenue distributions under the University System of Maryland Policy on Intellectual Property, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Alan Cross ("Assignor") hereby sells, assigns, and transfers to the University of Maryland, Baltimore, a constituent institution of the University System of Maryland (which is a public corporation and an instrumentality of the State of Maryland) ("UMB"), and having an office at Office of Research and Development, 620 W. Lexington Street, 4th floor, Baltimore, MD 21201, his entire right, title, and interest in and to the invention known as the "Invention":

check applicable space(s) [ X ] for the United States of America (as defined in 35 U.S.C. §100) [ X ] and throughout the world,

for which application for patent was made in the United States of America on October 24, 2005 (also known as U.S. provisional patent application serial number 60/729,570) and on April 24, 2009 (also known as U.S. non-provisional application serial number 12/083,993) and on March 3, 2015 (also known as U.S. Continuation in Part application serial number 14/636,951), and in any and all non-provisional and/or international or foreign patent applications thereon, continuing patent applications thereon (including without limitation substitutions, divisionals, continuations, and continuations-in-part), patents or Letters Patent issued therefrom, and reissues, extensions, renewals, and reexaminations of such applications or patents.

Such entire right, title, and interest in the Invention are to be held and enjoyed by UMB to the same extent as they would have been held and enjoyed by Assignor had this Assignment not been made, to the full end of the term or terms for which any such patent(s) issue. Assignor hereby represents and warrants that he has full right to convey his right, title, and interest in the Invention herein assigned, and that he has not executed and will not execute any agreement or other document in conflict therewith.

Assignor agrees to execute and deliver separate Assignments, patent applications, and other documents necessary or expedient in connection with, and to cooperate with and to assist UMB in connection with: further perfecting the assignment of the Invention to UMB; UMB's preparation, filing, prosecution (including without limitation defense in interference proceedings, reexaminations, or litigation), enforcement, and/or maintenance of the patents and patent applications; or for UMB to protect and commercialize its intellectual property right, title, and interests in the Invention (including without limitation copyright and/or trademarks).

IN WITNESS WHEREOF, executed by Assignors on the date opposite his name.

ASSIGNOR:

19 March 2015
Date

[Signature] (SEAL)
Alan Cross

Address:
6810 Brookville Road
Chevy Chase, MD 20815-3250

STATE OF Maryland )
CITY / COUNTY OF Baltimore )

I HEREBY CERTIFY, that on this 19th day of March, 2015, before me, Notary Public of the State of Maryland, personally appeared Alan Cross, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that, being authorized to do so, he or she executed the same as for the purposes contained therein.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal the day and year last above-mentioned.



[Signature]
Notary Public