

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2998557

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DAVID J. VINING	10/23/2007
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14459365
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NAME OF SUBMITTER:	THOMAS H. WALLS
SIGNATURE:	/THOMAS H. WALLS/
DATE SIGNED:	08/27/2014
Total Attachments: 1	
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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, **David J. Vining** ("Assignor") hereby sells and assigns 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) ("Assignee"), his entire right, title, and interest in the invention

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

for which application(s) for patent was made in the United States of America on **October 15, 2007** (also known as U. S. provisional patent application serial number **60/979,962**) 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 (collectively, the "**Patents and Patent Applications**"), to the full end of the term or terms for which such patent(s) issue, such entire right, title and interest to be held and enjoyed by Assignee to the same extent as they would have been held and enjoyed by Assignor had this Assignment not been made.

Assignor agrees to execute all papers necessary in connection with the Patents and Patent Applications. Assignor also agrees to execute separate Assignments in connection with the Patents and Patent Applications as Assignee may deem necessary or expedient. Assignor agrees to execute all papers necessary in connection with any interference or enforcement that may be declared concerning the Patents and Patent Applications, and Assignor agrees to cooperate with Assignee in every way possible in obtaining evidence and proceeding with such interference or enforcement.

Assignor hereby represents and warrants that he has full right to convey his entire interest herein assigned, and that he has not executed and will not execute any agreement or other document in conflict therewith.

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

ASSIGNOR:

10/23/07
Date

David J. Vining
David J. Vining
Print Name

Address:
1955 Greenberry Road
Baltimore, Maryland 21209

STATE OF Maryland)
Baltimore CITY / COUNTY)

SS:

I HEREBY CERTIFY, that on this 23rd day of October, 2007, before me, Notary Public of the State of _____, personally appeared David J. Vining, 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.

[SEAL] *Gail Knott*
Notary Public

My Commission Expires: 8/21/2010



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