

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2703691

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>RITA R. COLWELL</td> <td>03/09/2011</td> </tr> <tr> <td>BOYD THOMAS LIVINGSTON</td> <td>03/07/2011</td> </tr> <tr> <td>DAVID JAKUPCIAK</td> <td>03/07/2011</td> </tr> <tr> <td>NUR A. HASAN</td> <td>03/06/2011</td> </tr> <tr> <td>JOHN P. JAKUPCIAK</td> <td>03/08/2011</td> </tr> <tr> <td>DOUGLAS M. BRENNER</td> <td>03/08/2011</td> </tr> </tbody> </table>		Name	Execution Date	RITA R. COLWELL	03/09/2011	BOYD THOMAS LIVINGSTON	03/07/2011	DAVID JAKUPCIAK	03/07/2011	NUR A. HASAN	03/06/2011	JOHN P. JAKUPCIAK	03/08/2011	DOUGLAS M. BRENNER	03/08/2011
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DOUGLAS M. BRENNER	03/08/2011														
RECEIVING PARTY DATA															
Name:	COSMOSID INC.														
Street Address:	5010 RIVER HILL ROAD														
City:	BETHESDA														
State/Country:	MARYLAND														
Postal Code:	20816														
PROPERTY NUMBERS Total: 1															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13934029</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13934029										
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Application Number:	13934029														
CORRESPONDENCE DATA															
Fax Number:	(703)770-7901														
Phone:	7037707900														
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<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>															
Correspondent Name:	PILLSBURY WINTHROP SHAW PITTMAN, LLP														
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NAME OF SUBMITTER:	JACK LIN														
Signature:	/Jack Lin/														

PATENT

Date:

01/29/2014

Total Attachments: 3

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**ASSIGNMENT BY INVENTOR(S) OF PATENT APPLICATION
FOR ALL COUNTRIES**

IN CONSIDERATION for good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR(S))
by

Name: CosmosID Inc.
Address: 5010 River Hill Road
Bethesda, MD 20816

(hereinafter ASSIGNEE), the receipt and adequacy of which is hereby acknowledged, ASSIGNOR(s) hereby sell(s), assign(s) and transfer(s) to ASSIGNEE all of his/her right, title and interest in, to and under the invention and application entitled DIRECT IDENTIFICATION AND MEASUREMENT OF RELATIVE POPULATIONS OF MICROORGANISMS WITH DIRECT DNA SEQUENCING AND PROBABILISTIC METHODS for which application for Letters Patent of the United States ASSIGNOR(S) is/are the sole or a joint inventor and which application was executed on even date herewith or is identified as follows

U.S. Serial No.: 13/014,112, Filing Date: January 26, 2011
(Rothwell, Figg, Ernst & Manbeck is hereby authorized to insert the series code, serial or application number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained on said application or any continuation, division, reissue, reexamination or extension thereof and all rights connected therewith, and all applications for Letters Patent which may hereafter be filed for said invention in any country or countries foreign to the United States, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of the said application for Letters Patent of the United States which are created by any law, treaty or international convention, for the full term or terms for which the same may be granted, including all rights to recover damages for any and all past infringement; and

ASSIGNOR(S) agree(s) to execute all papers necessary in connection with said application and any continuing, divisional, reissue or reexamination applications thereof and to execute separate assignments in connection with such applications as ASSIGNEE may deem necessary.

ASSIGNOR(S) agree(s) to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent, reissue patent or reexamination certificate issued thereon and to cooperate with ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

ASSIGNOR(S) covenant(s) that he/she has the full right to convey the entire interest herein assigned and has not executed, and will not execute, any agreement in conflict herewith.

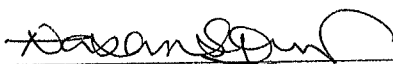
ASSIGNOR(S) acknowledge(s) that ASSIGNEE may appoint any attorney or practitioner of ASSIGNEE'S choice to prosecute any application or other legal proceeding involving said invention and ASSIGNOR(S) further acknowledge(s) that any attorney or practitioner so appointed by ASSIGNEE does not represent ASSIGNOR(S) and that such appointment by ASSIGNEE does not create any attorney-client relationship between ASSIGNOR(S) and any attorney or practitioner appointed by ASSIGNEE.

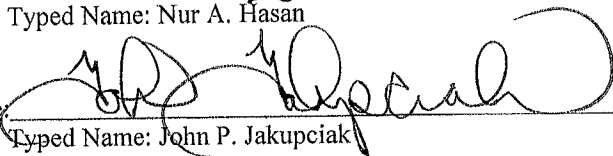
IN WITNESS WHEREOF, ASSIGNOR(S) has/ have affixed his/her signature below.

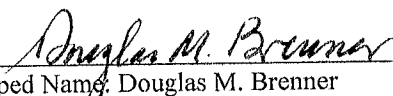
Signature: Rita R. Colwell Date: March 9, 2011
Typed Name: Rita R. Colwell

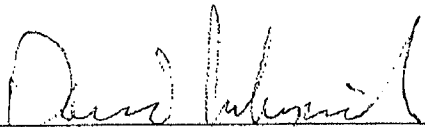
Signature: Boyd Thomas Livingston 20110307 Date:
Typed Name: Boyd Thomas Livingston

Signature: _____ Date: _____
Typed Name: David Jakupciak

Signature:  _____ Date: March 6, 2011
Typed Name: Nur A. Hasan

Signature:  _____ Date: March 8, 2011
Typed Name: John P. Jakupciak

Signature:  _____ Date: 3/8/2011
Typed Name: Douglas M. Brenner

Signature:  Date: 3/7/2011
Typed Name: David Jakupciak

Signature: _____ Date: _____
Typed Name: Nur A. Hasan

Signature: _____ Date: _____
Typed Name: John P. Jakupciak

Signature: _____ Date: _____
Typed Name: Douglas M. Brenner