

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT														
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT														
<b>CONVEYING PARTY DATA</b>															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Michael Geoffrey Neil Russell</td> <td>06/17/2008</td> </tr> <tr> <td>Huw David Vater</td> <td>06/17/2008</td> </tr> <tr> <td>Jacqueline Anne Macritchie</td> <td>06/17/2008</td> </tr> <tr> <td>Kevin James Doyle</td> <td>06/17/2008</td> </tr> <tr> <td>David Brown</td> <td>06/20/2008</td> </tr> <tr> <td>Joanne Peach</td> <td>06/17/2008</td> </tr> </tbody> </table>		Name	Execution Date	Michael Geoffrey Neil Russell	06/17/2008	Huw David Vater	06/17/2008	Jacqueline Anne Macritchie	06/17/2008	Kevin James Doyle	06/17/2008	David Brown	06/20/2008	Joanne Peach	06/17/2008
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Joanne Peach	06/17/2008														
<b>RECEIVING PARTY DATA</b>															
<b>Name:</b>	Institute for OneWorld Health														
<b>Street Address:</b>	50 California Street														
<b>Internal Address:</b>	Suite 500														
<b>City:</b>	San Francisco														
<b>State/Country:</b>	CALIFORNIA														
<b>Postal Code:</b>	94111														
<b>PROPERTY NUMBERS Total: 1</b>															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td><b>Application Number:</b></td> <td>12058371</td> </tr> </tbody> </table>		Property Type	Number	<b>Application Number:</b>	12058371										
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<b>Application Number:</b>	12058371														
<b>CORRESPONDENCE DATA</b>															
<b>Fax Number:</b>	(650)856-3710														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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<b>ATTORNEY DOCKET NUMBER:</b>	079999-0901														

OP \$40.00 12058371

**PATENT**

NAME OF SUBMITTER:

Antoinette F. Konski

Total Attachments: 5

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**ASSIGNMENT - WORLDWIDE**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Institute for OneWorld Health  
50 California Street, Suite 500  
San Francisco, California 94111

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

CFTR Inhibitor Compounds and Uses Thereof

as set forth in this United States Patent Application

*check one*      executed concurrently herewith,  
                   executed on \_\_\_\_\_,  
                   Serial No. 12/058,371; filed March 28, 2008.

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Foley & Lardner LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Foley & Lardner LLP** do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

**NAME AND SIGNATURE OF INVENTOR**

NAME: MICHAEL GEOFFREY NEIL RUSSELL

SIGNATURE:  DATE: 17 June 2008

**NAME AND SIGNATURE OF WITNESSES**

NAME: A OWENS


SIGNATURE:  DATE: 17th June 2008

NAME: JAMES DUFFY

SIGNATURE:  DATE: 17 JUNE 2008


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SIGNATURE:  DATE: 17 JUNE 2008

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NAME: JAMES DUFFY

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NAME: JACQUELINE ANNE MACRITCHIE

SIGNATURE:  DATE: 17<sup>th</sup> June 2008

**NAME AND SIGNATURE OF WITNESSES**

NAME: A Owens

SIGNATURE:  DATE: 17th June 2008

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SIGNATURE:  DATE: 17 JUNE 2008

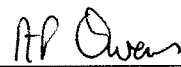
**NAME AND SIGNATURE OF INVENTOR**

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SIGNATURE:  DATE: 17 JUNE 2008

**NAME AND SIGNATURE OF WITNESSES**

NAME: A Owens


SIGNATURE:  DATE: 17th June 2008

NAME: JAMES DUFFY

SIGNATURE:  DATE: 17 JUNE 2008

**NAME AND SIGNATURE OF INVENTOR**

NAME: DAVID BROWN

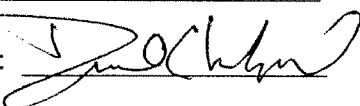
SIGNATURE:  DATE: June 20, 2008

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SIGNATURE:  DATE: 6/23/08

NAME: Paul Nakagaki

SIGNATURE:  DATE: 23 June 2008

**NAME AND SIGNATURE OF INVENTOR**

NAME: JOANNE PEACH

SIGNATURE:  DATE: 17 JUNE 2008

**NAME AND SIGNATURE OF WITNESSES**

NAME: A OWENS

SIGNATURE:  DATE: 17th June 2008

NAME: JAMES DUFFY

SIGNATURE:  DATE: 17 JUNE 2008

Note: *Prima facie* evidence of execution may optionally be obtained by execution before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.