

PATENT ASSIGNMENT

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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>Michael Shuler</td> <td>01/19/2012</td> </tr> <tr> <td>Jong Hwan Sung</td> <td>01/20/2012</td> </tr> </tbody> </table>		Name	Execution Date	Michael Shuler	01/19/2012	Jong Hwan Sung	01/20/2012						
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Cornell University</td> </tr> <tr> <td>Street Address:</td> <td>Cornell Center for Technology, Enterprise & Commercialization (CCTEC)</td> </tr> <tr> <td>Internal Address:</td> <td>395 Pine Tree Road, Suite 310</td> </tr> <tr> <td>City:</td> <td>Ithaca</td> </tr> <tr> <td>State/Country:</td> <td>NEW YORK</td> </tr> <tr> <td>Postal Code:</td> <td>14850</td> </tr> </table>		Name:	Cornell University	Street Address:	Cornell Center for Technology, Enterprise & Commercialization (CCTEC)	Internal Address:	395 Pine Tree Road, Suite 310	City:	Ithaca	State/Country:	NEW YORK	Postal Code:	14850
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PROPERTY NUMBERS Total: 3													
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Application Number:	12387585												
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CORRESPONDENCE DATA													
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ATTORNEY DOCKET NUMBER:	1258_4601US-PCT-PRO												

NAME OF SUBMITTER:

Anne M. Schneiderman

Total Attachments: 4

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JOINT ASSIGNMENT

WHEREAS, We, Michael Shuler, a United States citizen, residing at 118 Homestead Circle, Ithaca, New York 14850 US, and Jong Hwan Sung a Korean citizen, residing at 172 S. Applegate Road, Apartment 5B, Ithaca, New York 14850 US have invented certain new and useful improvements in: J-601, 72-1 Sangsu-dong, Mapo-gu, Seoul, KOREA

JHS
1/20/2012
121-791

MICROFLUIDIC DEVICE FOR PHARMACOKINETIC-PHARMACODYNAMIC
STUDY OF DRUGS AND USES THEREOF

- ☐ for which an application for Letters Patent in the United States of America is filed herewith.
- ☒ for which application for Letters Patent in the United States of America was filed as Serial No. 61/229,575 on July 29, 2009.

and

MICROFLUIDIC DEVICE FOR PHARMACOKINETIC-PHARMACODYNAMIC
STUDY OF DRUGS AND USES THEREOF

- ☐ for which the undersigned has executed an application for patent in the United States of America on _____ and transmitted herewith.
- ☒ which application for patent was filed on July 29, 2010 and has been assigned Serial No. PCT/US10/43743 by the United States Patent and Trademark Office.

AND WHEREAS, Cornell University, with its principal place of business at Cornell Center for Technology, Enterprise & Commercialization ("CCTEC"), 395 Pine Tree Road, Suite 310, Ithaca, New York 14850 USA, is entitled to acquire the entire right, title and interest in and to the said improvements and the said Application:

NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said **Cornell University**, its successors, legal representatives and assigns, the entire right, title and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said **Cornell University**, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said **Cornell University**, its successors, legal representatives, and assigns, any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths and generally do everything possible to aid the said **Cornell University**, its successors, legal representatives, and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

Each of the undersigned hereby grants to any duly empowered legal representative, including specifically all patent practitioners associated with the Customer No. **15204**, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or with the rules of any other national or international Patent Office for recordation of this document or a true copy thereof.

"S" Signature Option

Michael Shuler
Michael Shuler

01/19/2012
Date

Assignee must type their name between the slashes.

**MICROFLUIDIC DEVICE FOR HARMACOKINETIC-PHARMACODYNAMIC
STUDY OF DRUGS AND USES THEREOF**

Witness Signature Option

Michael Shuler

Date

Witness Signature

Date

Witness Printed Name

Notary Option

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day
of _____, 2012.

Michael Shuler

STATE OF _____
COUNTY OF _____ SS:

This _____ day of _____, 2012, before me personally came the
above-named Michael Shuler, to me personally known as the individual who executed the
same of his own free will for the purposes therein set forth.

Notary Public
Commission expires on _____

"S" Signature Option

/ JONG HWAN SUNG / 1 / 20 / 2012
Jong Hwan Sung Date

Assignee must type their name between the slashes.

**MICROFLUIDIC DEVICE FOR HARMACOKINETIC-PHARMACODYNAMIC
STUDY OF DRUGS AND USES THEREOF**

Witness Signature Option

JONG HWAN SUNG 1/20/2012
Jong Hwan Sung Date

[Signature] 1/20/2012
Witness Signature Date

Jong Buon Lee
Witness Printed Name

Notary Option

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day
of _____, 2012.

Jong Hwan Sung

STATE OF _____
COUNTY OF _____ SS:

This _____ day of _____, 2012, before me personally came the
above-named Jong Hwan Sung, to me personally known as the individual who executed the
same of his own free will for the purposes therein set forth.

Notary Public
Commission expires on _____

Witness :

[Signature]
Signature

Lee Ji - Sook
printed name

1/20/2012
Date