

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
George M. Whitesides	05/24/2009
Scott T. Phillips	05/21/2009
Andres W. Martinez	05/14/2009
Katherine A. Mirica	05/14/2009
Manish J. Butte	05/22/2009
Amy Wong	05/14/2009
Samuel Thomas	05/15/2009
Emanuel Carrilho	05/15/2009
Hayat Sindi	07/06/2009
Sarah Jane Vella	05/14/2009
Yanyan Liu	06/12/2009

RECEIVING PARTY DATA

Name:	President and Fellows of Harvard College
Street Address:	17 Quincy Street
City:	Cambridge
State/Country:	MASSACHUSETTS
Postal Code:	02138

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	12425121
PCT Number:	US0781848

CORRESPONDENCE DATA

Fax Number: (617)495-9568
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 6174953058

OP \$80.00 12425121

500905017

**PATENT
 REEL: 022926 FRAME: 0378**

Email: denlyn_atherton@harvard.edu
Correspondent Name: Anne I. Craig
Address Line 1: 1350 Massachusetts Ave. # 727
Address Line 2: Office of Technology Development
Address Line 4: Cambridge, MASSACHUSETTS 02138

ATTORNEY DOCKET NUMBER: 2819 US & PCT

NAME OF SUBMITTER: Anne I. Craig

Total Attachments: 62

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PATENT

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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned:

**George M. Whitesides, Scott T. Phillips, Andres W. Martinez,
Manish J. Butte, Amy Wong, Samuel Thomas, Hayat Sindi,
Sarah Jane Vella, Emanuel Carrilho,
Katherine A. Mirica, & Yanyan Liu**

(hereafter "Assignors") hereby assign, sell, and transfer to:

**President and Fellows of Harvard College
17 Quincy Street, Cambridge, Massachusetts 02138**

(hereafter "Assignee") its successors and assigns, Assignors' entire right, title and interest throughout the world in and to any and all inventions and improvements for:

**"Lateral Flow And Flow-Through Bioassay Based On Patterned Porous
Media, Methods Of Making Same, And Methods Of Using Same"**

described in U.S. Patent Application No. 12/425,121 filed April 16, 2009 and international patent application No.: PCT/US07/081848 filed October 18, 2007 which both claim priority to US Provisional Patent Application No. 60/914,252 filed April 26, 2007 and US Provisional Patent Application No. 60/852,751 filed October 18, 2006; and in and to the aforesaid application(s), in any form or embodiment thereof, and in and to any application filed in this and any foreign country based thereon, including the right to file said applications and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.


Assignors hereby warrant that they have full right to convey their entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

Assignors further agree, without further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain and enforce proper patent protection for said invention or inventions in this and any foreign country.

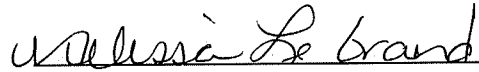
Date: 5/24/09

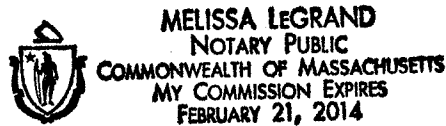

George M. Whitesides

State of: Massachusetts
County of: Middlesex

On this 24 day of may, 2009, before me, the undersigned notary public, personally appeared **George, M. Whitesides**, proved to me through satisfactory evidence of identification, which were US PASSPORT, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]


Notary Public



Date: _____

Scott T. Phillips

State of: Pennsylvania
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Scott T. Phillips**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Andres W. Martinez

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Andres W. Martinez**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Manish J. Butte

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Manish, J. Butte**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Amy Wong

State of: California

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Amy Wong**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Samuel Thomas

State of: Massachusetts

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Samuel Thomas**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Hayat Sindi

State of: Massachusetts

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Hayat Sindi**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Sarah Jane Vella

State of: Massachusetts

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Sarah Jane Vella**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Emanuel Carrilho

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Emanuel Carrilho**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Katherine A. Mirica

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Katherine A. Mirica**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Yanyan Liu

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Yanyan Liu**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned:

**George M. Whitesides, Scott T. Phillips, Andres W. Martinez,
Manish J. Butte, Amy Wong, Samuel Thomas, Hayat Sindi,
Sarah Jane Vella, Emanuel Carrilho,
Katherine A. Mirica, & Yanyan Liu**

(hereafter "Assignors") hereby assign, sell, and transfer to:

**President and Fellows of Harvard College
17 Quincy Street, Cambridge, Massachusetts 02138**

(hereafter "Assignee") its successors and assigns, Assignors' entire right, title and interest throughout the world in and to any and all inventions and improvements for:

**"Lateral Flow And Flow-Through Bioassay Based On Patterned Porous
Media, Methods Of Making Same, And Methods Of Using Same"**

described in U.S. Patent Application No. 12/425,121 filed April 16, 2009 and international patent application No.: PCT/US07/081848 filed October 18, 2007 which both claim priority to US Provisional Patent Application No. 60/914,252 filed April 26, 2007 and US Provisional Patent Application No. 60/852,751 filed October 18, 2006; and in and to the aforesaid application(s), in any form or embodiment thereof, and in and to any application filed in this and any foreign country based thereon, including the right to file said applications and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

Assignors hereby warrant that they have full right to convey their entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

Assignors further agree, without further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain and enforce proper patent protection for said invention or inventions in this and any foreign country.

Date: _____

George M. Whitesides

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **George, M. Whitesides**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: 5/21/09

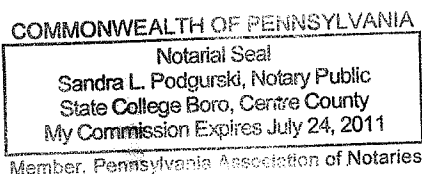
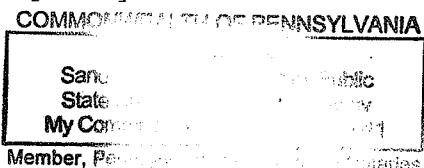
Scott T. Phillips
Scott T. Phillips

State of: Pennsylvania
County of: Centre

On this 21 day of May, 2009, before me, the undersigned notary public, personally appeared **Scott T. Phillips**, proved to me through satisfactory evidence of identification, which were PA Driver License to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Sandra L. Podgurski
Notary Public



Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Andres W. Martinez

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Andres W. Martinez**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Manish J. Butte

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Manish, J. Butte**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Amy Wong

State of: California
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Amy Wong**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Samuel Thomas

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Samuel Thomas**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appl. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Hayat Sindi

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Hayat Sindi**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Sarah Jane Vella

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Sarah Jane Vella**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appl. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Emanuel Carrilho

State of: Massachusetts

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Emanuel Carrilho**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Katherine A. Mirica

State of: Massachusetts

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Katherine A. Mirica**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Yanyan Liu

State of: Massachusetts

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Yanyan Liu**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned:

**George M. Whitesides, Scott T. Phillips, Andres W. Martinez,
Manish J. Butte, Amy Wong, Samuel Thomas, Hayat Sindi,
Sarah Jane Vella, Emanuel Carrilho,
Katherine A. Mirica, & Yanyan Liu**

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**President and Fellows of Harvard College
17 Quincy Street, Cambridge, Massachusetts 02138**

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**"Lateral Flow And Flow-Through Bioassay Based On Patterned Porous
Media, Methods Of Making Same, And Methods Of Using Same"**

described in U.S. Patent Application No. 12/425,121 filed April 16, 2009 and international patent application No.: PCT/US07/081848 filed October 18, 2007 which both claim priority to US Provisional Patent Application No. 60/914,252 filed April 26, 2007 and US Provisional Patent Application No. 60/852,751 filed October 18, 2006; and in and to the aforesaid application(s), in any form or embodiment thereof, and in and to any application filed in this and any foreign country based thereon, including the right to file said applications and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

Assignors hereby warrant that they have full right to convey their entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

Assignors further agree, without further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its

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HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain and enforce proper patent protection for said invention or inventions in this and any foreign country.

Date: _____

George M. Whitesides

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **George, M. Whitesides**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Scott T. Phillips

State of: Pennsylvania
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Scott T. Phillips**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: 5/14/2009

Andres W. Martinez
Andres W. Martinez

State of: Massachusetts
County of: Middlesex

On this 14 day of May, 2009, before me, the undersigned notary public, personally appeared **Andres W. Martinez**, proved to me through satisfactory evidence of identification, which were CA drivers license, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Melissa Le Grand
Notary Public



MELISSA LEGRAND
NOTARY PUBLIC
COMMONWEALTH OF MASSACHUSETTS
MY COMMISSION EXPIRES
FEBRUARY 21, 2014

Date: _____

Manish J. Butte

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Manish, J. Butte**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Amy Wong

State of: California
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Amy Wong**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Samuel Thomas

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Samuel Thomas**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Hayat Sindi

State of: Massachusetts

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Hayat Sindi**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Sarah Jane Vella

State of: Massachusetts

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Sarah Jane Vella**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Emanuel Carrilho

State of: Massachusetts

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Emanuel Carrilho**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: 5/14/2009

Katherine A. Mirica
Katherine A. Mirica

State of: Massachusetts

County of: Middlesex

On this 14 day of May, 2009, before me, the undersigned notary public, personally appeared **Katherine A. Mirica**, proved to me through satisfactory evidence of identification, which were MA drivers license, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Melissa Le Grand
Notary Public



MELISSA LEGRAND
NOTARY PUBLIC
COMMONWEALTH OF MASSACHUSETTS
MY COMMISSION EXPIRES
FEBRUARY 21, 2014

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Yanyan Liu

State of: Massachusetts

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Yanyan Liu**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned:

**George M. Whitesides, Scott T. Phillips, Andres W. Martinez,
Manish J. Butte, Amy Wong, Samuel Thomas, Hayat Sindi,
Sarah Jane Vella, Emanuel Carrilho,
Katherine A. Mirica, & Yanyan Liu**

(hereafter "Assignors") hereby assign, sell, and transfer to:

**President and Fellows of Harvard College
17 Quincy Street, Cambridge, Massachusetts 02138**

(hereafter "Assignee") its successors and assigns, Assignors' entire right, title and interest throughout the world in and to any and all inventions and improvements for:

**"Lateral Flow And Flow-Through Bioassay Based On Patterned Porous
Media, Methods Of Making Same, And Methods Of Using Same"**

described in U.S. Patent Application No. 12/425,121 filed April 16, 2009 and international patent application No.: PCT/US07/081848 filed October 18, 2007 which both claim priority to US Provisional Patent Application No. 60/914,252 filed April 26, 2007 and US Provisional Patent Application No. 60/852,751 filed October 18, 2006; and in and to the aforesaid application(s), in any form or embodiment thereof, and in and to any application filed in this and any foreign country based thereon, including the right to file said applications and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

Assignors hereby warrant that they have full right to convey their entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

Assignors further agree, without further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain and enforce proper patent protection for said invention or inventions in this and any foreign country.

Date: _____

George M. Whitesides

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **George, M. Whitesides**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Scott T. Phillips

State of: Pennsylvania
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Scott T. Phillips**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Andres W. Martinez

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Andres W. Martinez**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: 5-22-09

Manish J. Butte
Manish J. Butte

State of: Massachusetts
County of: Middlesex

On this 22 day of MAY, 2009, before me, the undersigned notary public, personally appeared **Manish, J. Butte**, proved to me through satisfactory evidence of identification, which were MA drivers License, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Melissa LeGrand
Notary Public



MELISSA LEGRAND
NOTARY PUBLIC
COMMONWEALTH OF MASSACHUSETTS
MY COMMISSION EXPIRES
FEBRUARY 21, 2014

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Amy Wong

State of: California

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Amy Wong**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Samuel Thomas

State of: Massachusetts

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Samuel Thomas**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Hayat Sindi

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Hayat Sindi**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Sarah Jane Vella

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Sarah Jane Vella**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Emanuel Carrilho

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Emanuel Carrilho**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Katherine A. Mirica

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Katherine A. Mirica**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Yanyan Liu

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Yanyan Liu**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned:

**George M. Whitesides, Scott T. Phillips, Andres W. Martinez,
Manish J. Butte, Amy Wong, Samuel Thomas, Hayat Sindi,
Sarah Jane Vella, Emanuel Carrilho,
Katherine A. Mirica, & Yanyan Liu**

(hereafter "Assignors") hereby assign, sell, and transfer to:

**President and Fellows of Harvard College
17 Quincy Street, Cambridge, Massachusetts 02138**

(hereafter "Assignee") its successors and assigns, Assignors' entire right, title and interest throughout the world in and to any and all inventions and improvements for:

**"Lateral Flow And Flow-Through Bioassay Based On Patterned Porous
Media, Methods Of Making Same, And Methods Of Using Same"**

described in **U.S. Patent Application No. 12/425,121 filed April 16, 2009** and **international patent application No.: PCT/US07/081848 filed October 18, 2007** which both claim priority to US Provisional Patent Application No. 60/914,252 filed April 26, 2007 and US Provisional Patent Application No. 60/852,751 filed October 18, 2006; and in and to the aforesaid application(s), in any form or embodiment thereof, and in and to any application filed in this and any foreign country based thereon, including the right to file said applications and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

Assignors hereby warrant that they have full right to convey their entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

Assignors further agree, without further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain and enforce proper patent protection for said invention or inventions in this and any foreign country.

Date: _____

George M. Whitesides

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **George, M. Whitesides**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Scott T. Phillips

State of: Pennsylvania
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Scott T. Phillips**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Andres W. Martinez

State of: Massachusetts

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Andres W. Martinez**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Manish J. Butte

State of: Massachusetts

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Manish, J. Butte**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: 5/14/09

Amy P. Wong
Amy Wong

WITNESSED BY:

Date: 5/12/09

Abel Wong
Signature of Witness

Abel Wong
Name of Witness

4450 Enterprise St
Address
Fremont, CA 94938

Date: _____

Samuel Thomas

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Samuel Thomas**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appl. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Hayat Sindi

State of: Massachusetts

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Hayat Sindi**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Sarah Jane Vella

State of: Massachusetts

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Sarah Jane Vella**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Emanuel Carrilho

State of: Massachusetts

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Emanuel Carrilho**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Katherine A. Mirica

State of: Massachusetts

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Katherine A. Mirica**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Yanyan Liu

State of: Massachusetts

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Yanyan Liu**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

ASSIGNMENT

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Manish J. Butte, Amy Wong, Samuel Thomas, Hayat Sindi,
Sarah Jane Vella, Emanuel Carrilho,
Katherine A. Mirica, & Yanyan Liu**

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**President and Fellows of Harvard College
17 Quincy Street, Cambridge, Massachusetts 02138**

(hereafter "Assignee") its successors and assigns, Assignors' entire right, title and interest throughout the world in and to any and all inventions and improvements for:

**"Lateral Flow And Flow-Through Bioassay Based On Patterned Porous
Media, Methods Of Making Same, And Methods Of Using Same"**

described in U.S. Patent Application No. 12/425,121 filed April 16, 2009 and international patent application No.: PCT/US07/081848 filed October 18, 2007 which both claim priority to US Provisional Patent Application No. 60/914,252 filed April 26, 2007 and US Provisional Patent Application No. 60/852,751 filed October 18, 2006; and in and to the aforesaid application(s), in any form or embodiment thereof, and in and to any application filed in this and any foreign country based thereon, including the right to file said applications and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

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Assignors further agree, without further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

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Date: _____

George M. Whitesides

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **George, M. Whitesides**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Scott T. Phillips

State of: Pennsylvania
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Scott T. Phillips**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appl. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Andres W. Martinez

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Andres W. Martinez**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Manish J. Butte

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Manish, J. Butte**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Amy Wong

State of: California

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Amy Wong**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: 05/15/09

Samuel Thomas
Samuel Thomas

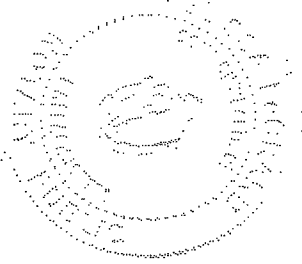
State of: Massachusetts

County of: Middlesex

On this 15 day of May, 2009, before me, the undersigned notary public, personally appeared **Samuel Thomas**, proved to me through satisfactory evidence of identification, which were MA drivers license, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Melissa LeGrand
Notary Public



MELISSA LEGRAND
NOTARY PUBLIC
COMMONWEALTH OF MASSACHUSETTS
MY COMMISSION EXPIRES
FEBRUARY 21, 2014

Patent Assignment
HU Case: 2819 Whitesides
Appl. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Hayat Sindi

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Hayat Sindi**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Sarah Jane Vella

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Sarah Jane Vella**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

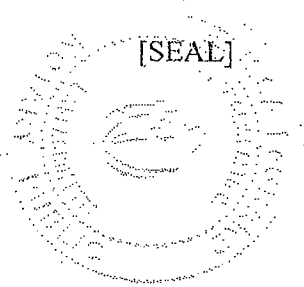
Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: MAY 15, 2009

Emanuel Carrilho
Emanuel Carrilho

State of: Massachusetts
County of: Middlesex

On this 15 day of MAY, 2009, before me, the undersigned notary public, personally appeared **Emanuel Carrilho**, proved to me through satisfactory evidence of identification, which were Brazil Passport, to be the person whose name is signed on the preceding or attached document in my presence.



Melissa LeGrand
Notary Public



MELISSA LEGRAND
NOTARY PUBLIC
COMMONWEALTH OF MASSACHUSETTS
MY COMMISSION EXPIRES
FEBRUARY 21, 2014

Date: _____

Katherine A. Mirica

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Katherine A. Mirica**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appl. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Yanyan Liu

State of: Massachusetts

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Yanyan Liu**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned:

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Manish J. Butte, Amy Wong, Samuel Thomas, Hayat Sindi,
Sarah Jane Vella, Emanuel Carrilho,
Katherine A. Mirica, & Yanyan Liu**

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17 Quincy Street, Cambridge, Massachusetts 02138**

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described in U.S. Patent Application No. 12/425,121 filed April 16, 2009 and international patent application No.: PCT/US07/081848 filed October 18, 2007 which both claim priority to US Provisional Patent Application No. 60/914,252 filed April 26, 2007 and US Provisional Patent Application No. 60/852,751 filed October 18, 2006; and in and to the aforesaid application(s), in any form or embodiment thereof, and in and to any application filed in this and any foreign country based thereon, including the right to file said applications and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

Assignors hereby warrant that they have full right to convey their entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

Assignors further agree, without further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain and enforce proper patent protection for said invention or inventions in this and any foreign country.

Date: _____

George M. Whitesides

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **George, M. Whitesides**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Scott T. Phillips

State of: Pennsylvania
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Scott T. Phillips**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Andres W. Martinez

State of: Massachusetts

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Andres W. Martinez**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Manish J. Butte

State of: Massachusetts

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Manish, J. Butte**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Amy Wong

State of: California
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Amy Wong**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Samuel Thomas

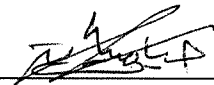
State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Samuel Thomas**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: July 6th, 2009


Hayat Sindi

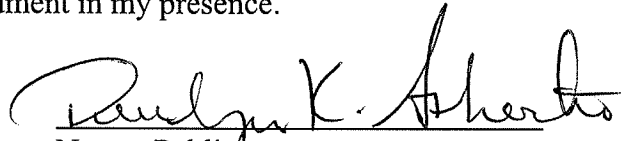
State of: Massachusetts
County of: _____

On this 6 day of July, 2009, before me, the undersigned notary public, personally appeared **Hayat Sindi**, proved to me through satisfactory evidence of identification, which were Harvard ID, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]



DENLYN K. ATHERTON
Notary Public
Commonwealth of Massachusetts
My Commission Expires
October 1, 2015


Notary Public

Date: _____

Sarah Jane Vella

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Sarah Jane Vella**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Emanuel Carrilho

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Emanuel Carrilho**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Katherine A. Mirica

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Katherine A. Mirica**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned:

**George M. Whitesides, Scott T. Phillips, Andres W. Martinez,
Manish J. Butte, Amy Wong, Samuel Thomas, Hayat Sindi,
Sarah Jane Vella, Emanuel Carrilho,
Katherine A. Mirica, & Yanyan Liu**

(hereafter "Assignors") hereby assign, sell, and transfer to:

**President and Fellows of Harvard College
17 Quincy Street, Cambridge, Massachusetts 02138**

(hereafter "Assignee") its successors and assigns, Assignors' entire right, title and interest throughout the world in and to any and all inventions and improvements for:

**"Lateral Flow And Flow-Through Bioassay Based On Patterned Porous
Media, Methods Of Making Same, And Methods Of Using Same"**

described in U.S. Patent Application No. 12/425,121 filed April 16, 2009 and international patent application No.: PCT/US07/081848 filed October 18, 2007 which both claim priority to US Provisional Patent Application No. 60/914,252 filed April 26, 2007 and US Provisional Patent Application No. 60/852,751 filed October 18, 2006; and in and to the aforesaid application(s), in any form or embodiment thereof, and in and to any application filed in this and any foreign country based thereon, including the right to file said applications and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

Assignors hereby warrant that they have full right to convey their entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

Assignors further agree, without further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain and enforce proper patent protection for said invention or inventions in this and any foreign country.

Date: _____

George M. Whitesides

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **George, M. Whitesides**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Scott T. Phillips

State of: Pennsylvania
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Scott T. Phillips**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Andres W. Martinez

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Andres W. Martinez**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Manish J. Butte

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Manish, J. Butte**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Amy Wong

State of: California

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Amy Wong**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Samuel Thomas

State of: Massachusetts

County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Samuel Thomas**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Hayat Sindi

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Hayat Sindi**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: May 14, 2009

Sarah Jane Vella

Sarah Jane Vella

PROVINCE ONTARIO
State of: Massachusetts
County of: ESSEX

On this 14 day of MAY, 2009, before me, the undersigned notary public, personally appeared **Sarah Jane Vella**, proved to me through satisfactory evidence of identification, which were DRIVER'S LICENSE, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

James J. Yaworsky

Notary Public

JAMES J. YAWORSKY
BARRISTER, SOLICITOR,
NOTARY PUBLIC
WINDSOR, ONTARIO, CANADA

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Emanuel Carrilho

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Emanuel Carrilho**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Katherine A. Mirica

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Katherine A. Mirica**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Yanyan Liu

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Yanyan Liu**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned:

**George M. Whitesides, Scott T. Phillips, Andres W. Martinez,
Manish J. Butte, Amy Wong, Samuel Thomas, Hayat Sindi,
Sarah Jane Vella, Emanuel Carrilho,
Katherine A. Mirica, & Yanyan Liu**

(hereafter "Assignors") hereby assign, sell, and transfer to:

**President and Fellows of Harvard College
17 Quincy Street, Cambridge, Massachusetts 02138**

(hereafter "Assignee") its successors and assigns, Assignors' entire right, title and interest throughout the world in and to any and all inventions and improvements for:

**"Lateral Flow And Flow-Through Bioassay Based On Patterned Porous
Media, Methods Of Making Same, And Methods Of Using Same"**

described in U.S. Patent Application No. 12/425,121 filed April 16, 2009 and international patent application No.: PCT/US07/081848 filed October 18, 2007 which both claim priority to US Provisional Patent Application No. 60/914,252 filed April 26, 2007 and US Provisional Patent Application No. 60/852,751 filed October 18, 2006; and in and to the aforesaid application(s), in any form or embodiment thereof, and in and to any application filed in this and any foreign country based thereon, including the right to file said applications and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

Assignors hereby warrant that they have full right to convey their entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

Assignors further agree, without further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain and enforce proper patent protection for said invention or inventions in this and any foreign country.

Date: _____

George M. Whitesides

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **George, M. Whitesides**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Scott T. Phillips

State of: Pennsylvania
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Scott T. Phillips**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appl. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Andres W. Martinez

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Andres W. Martinez**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Manish J. Butte

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Manish, J. Butte**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Amy Wong

State of: California
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Amy Wong**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Samuel Thomas

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Samuel Thomas**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Hayat Sindi

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Hayat Sindi**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Sarah Jane Vella

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Sarah Jane Vella**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appl. No(s): PCT/US07/081848 & US App 12/425,121

Date: _____

Emanuel Carrilho

State of: Massachusetts
County of: _____

On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Emanuel Carrilho**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Date: _____

Katherine A. Mirica

State of: Massachusetts
County of: _____


On this ____ day of _____, 2009, before me, the undersigned notary public, personally appeared **Katherine A. Mirica**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]

Notary Public

Patent Assignment
HU Case: 2819 Whitesides
Appln. No(s): PCT/US07/081848 & US App 12/425,121

Date: Jun 12th. 2009

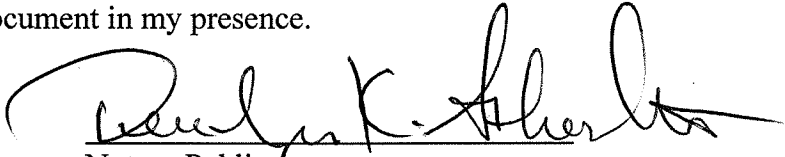


Yanyan Liu

State of: Massachusetts
County of: Middlesex

On this 12 day of June, 2009, before me, the undersigned notary public, personally appeared Yanyan Liu, proved to me through satisfactory evidence of identification, which were Harvard ID, to be the person whose name is signed on the preceding or attached document in my presence.

[SEAL]



Notary Public



DENLYN K. ATHERTON
Notary Public
Commonwealth of Massachusetts
My Commission Expires
October 1, 2015