

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>James R Williams</td> <td>03/15/2012</td> </tr> <tr> <td>Damon B Farmer</td> <td>02/29/2012</td> </tr> <tr> <td>Roy G Gordon</td> <td>02/29/2012</td> </tr> <tr> <td>Charles M Marcus</td> <td>04/20/2012</td> </tr> </tbody> </table>		Name	Execution Date	James R Williams	03/15/2012	Damon B Farmer	02/29/2012	Roy G Gordon	02/29/2012	Charles M Marcus	04/20/2012
Name	Execution Date										
James R Williams	03/15/2012										
Damon B Farmer	02/29/2012										
Roy G Gordon	02/29/2012										
Charles M Marcus	04/20/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>President and Fellows of Harvard College</td> </tr> <tr> <td>Street Address:</td> <td>17 Quincy Street</td> </tr> <tr> <td>City:</td> <td>Cambridge</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02138</td> </tr> </table>		Name:	President and Fellows of Harvard College	Street Address:	17 Quincy Street	City:	Cambridge	State/Country:	MASSACHUSETTS	Postal Code:	02138
Name:	President and Fellows of Harvard College										
Street Address:	17 Quincy Street										
City:	Cambridge										
State/Country:	MASSACHUSETTS										
Postal Code:	02138										
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>12157337</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12157337						
Property Type	Number										
Application Number:	12157337										
CORRESPONDENCE DATA											
<p>Fax Number: (617)495-9568          Phone: (617) 495-3058          Email: denlyn_atherton@harvard.edu  <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Anne Craig          Address Line 1: 1350 Massachusetts Ave          Address Line 2: Harvard University, Office of Tech. Dev.          Address Line 4: Cambridge, MASSACHUSETTS 02138</p>											
ATTORNEY DOCKET NUMBER:	2616 US3										
NAME OF SUBMITTER:	Anne I. Craig										

OP \$40.00 12157337

**Total Attachments: 9**

source=2616 Assignment Executed#page1.tif

source=2616 Assignment Executed#page2.tif

source=2616 Assignment Executed#page3.tif

source=2616 Assignment Executed#page4.tif

source=2616 Assignment Executed#page5.tif

source=2616 Assignment Executed#page6.tif

source=2616 Assignment Executed#page7.tif

source=2616 Assignment Executed#page8.tif

source=2616 Assignment Executed#page9.tif

## ASSIGNMENT

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

**Damon B. Farmer, Roy G. Gordon, Charles M. Marcus, James R. Williams**

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

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

(hereafter "Assignees") and their respective successors and assigns, in one-half undivided shares, Assignor's entire right, title and interest throughout the world in and to any and all inventions for:

### **GAS-PHASE FUNCTIONALIZATION OF SURFACES INCLUDING CARBON-BASED SURFACES**

described in U.S. Patent Application No. 12/157,337, filed 06/10/2008; and in and to the aforesaid application(s), in any form or embodiment thereof, and in and to any application on any of the inventions filed in this and any foreign country, based thereon, including the right to file said applications, apply for patent rights, 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 any of the inventions and any divisional, continuation, or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignees or its successors and assigns.

For purposes of complying with foreign requirements, the above paragraph is intended to expressly grant all the recited rights and grants in China, Korea, and Japan.

Assignor hereby warrants that he/she has full right to convey his/her 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

Assignor further agrees, without further payment or compensation by said Assignees or its successors and assigns, to communicate to said Assignees, its 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

Patent Assignment  
HU Case 2616  
Appln. No(s): 12/157,337

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 Assignees, 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.

Assignor authorizes Assignees or Assignees's representative to supply and/or to correct any errors in the patent/application information provided above including but not limited to said application serial number(s) and filing date(s), prior to or after recordation.

Assignor appoints Assignees, through its designee, as its attorney-in-fact to execute, in Assignor's name and on Assignor's behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

_____	_____
<b>Date</b>	<b>Damon B. Farmer</b>

_____	_____
<b>Date</b>	<b>Witness</b>

_____
<b>Witness's Printed Name</b>

_____	_____
<b>Date</b>	<b>Roy G. Gordon</b>

_____	_____
<b>Date</b>	<b>Witness</b>

_____
<b>Witness's Printed Name</b>

Patent Assignment  
HU Case 2616  
Appln. No(s): 12/157,337

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Charles M. Marcus**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Witness**

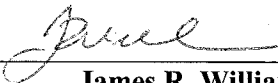
\_\_\_\_\_  
**Witness's Printed Name**

3/15/12

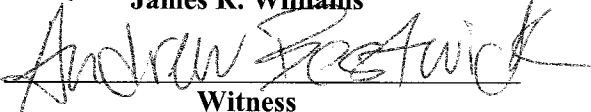
**Date**

15 March 2012

**Date**



**James R. Williams**



**Witness**

Andrew Bestwick

**Witness's Printed Name**

## ASSIGNMENT

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

**Damon B. Farmer, Roy G. Gordon, Charles M. Marcus, James R. Williams**

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

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

(hereafter "Assignees") and their respective successors and assigns, in one-half undivided shares, Assignor's entire right, title and interest throughout the world in and to any and all inventions for:

### **GAS-PHASE FUNCTIONALIZATION OF SURFACES INCLUDING CARBON-BASED SURFACES**

described in U.S. Patent Application No. **12/157,337**, filed **06/10/2008**; and in and to the aforesaid application(s), in any form or embodiment thereof, and in and to any application on any of the inventions filed in this and any foreign country, based thereon, including the right to file said applications, apply for patent rights, 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 any of the inventions and any divisional, continuation, or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignees or its successors and assigns.

For purposes of complying with foreign requirements, the above paragraph is intended to expressly grant all the recited rights and grants in China, Korea, and Japan.

Assignor hereby warrants that he/she has full right to convey his/her 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


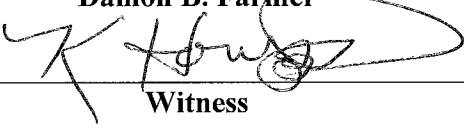
Assignor further agrees, without further payment or compensation by said Assignees or its successors and assigns, to communicate to said Assignees, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever


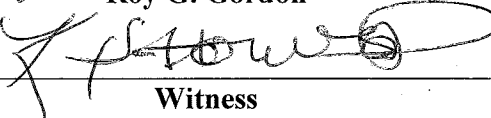
Patent Assignment  
HU Case 2616  
Appln. No(s): 12/157,337

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 Assignees, 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.

Assignor authorizes Assignees or Assignees's representative to supply and/or to correct any errors in the patent/application information provided above including but not limited to said application serial number(s) and filing date(s), prior to or after recordation.

Assignor appoints Assignees, through its designee, as its attorney-in-fact to execute, in Assignor's name and on Assignor's behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

<u>2/29/12</u>	<u></u>
Date	Damon B. Farmer
<u>2. 29. 2012</u>	<u></u>
Date	Witness
	<u>Kateri M. Howard</u>
	Witness's Printed Name

<u>2/29/12</u>	<u></u>
Date	Roy G. Gordon
<u>2. 29. 2012</u>	<u></u>
Date	Witness
	<u>Kateri M. Howard</u>
	Witness's Printed Name

Patent Assignment  
HU Case 2616  
Appln. No(s): 12/157,337

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Charles M. Marcus**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Witness**

\_\_\_\_\_  
**Witness's Printed Name**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**James R. Williams**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Witness**

\_\_\_\_\_  
**Witness's Printed Name**

## ASSIGNMENT

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

**Damon B. Farmer, Roy G. Gordon, Charles M. Marcus, James R. Williams**

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

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

(hereafter "Assignees") and their respective successors and assigns, in one-half undivided shares, Assignor's entire right, title and interest throughout the world in and to any and all inventions for:

### **GAS-PHASE FUNCTIONALIZATION OF SURFACES INCLUDING CARBON-BASED SURFACES**

described in U.S. Patent Application No. **12/157,337**, filed **06/10/2008**; and in and to the aforesaid application(s), in any form or embodiment thereof, and in and to any application on any of the inventions filed in this and any foreign country, based thereon, including the right to file said applications, apply for patent rights, 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 any of the inventions and any divisional, continuation, or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignees or its successors and assigns.

For purposes of complying with foreign requirements, the above paragraph is intended to expressly grant all the recited rights and grants in China, Korea, and Japan.

Assignor hereby warrants that he/she has full right to convey his/her 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

Assignor further agrees, without further payment or compensation by said Assignees or its successors and assigns, to communicate to said Assignees, its 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 Assignees, 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.

Assignor authorizes Assignees or Assignees's representative to supply and/or to correct any errors in the patent/application information provided above including but not limited to said application serial number(s) and filing date(s), prior to or after recordation.

Assignor appoints Assignees, through its designee, as its attorney-in-fact to execute, in Assignor's name and on Assignor's behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Damon B. Farmer**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Witness**

\_\_\_\_\_  
**Witness's Printed Name**

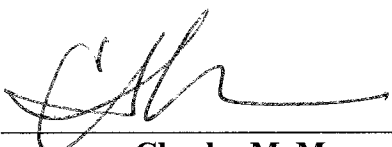
\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Roy G. Gordon**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Witness**

\_\_\_\_\_  
**Witness's Printed Name**

<u>4/20/2012</u> Date	<u></u> Charles M. Marcus
<u>4/20/2012</u> Date	<u>Krista Harmon</u> Witness
	<u>Krista Harmon</u> Witness's Printed Name

<u>                    </u> Date	<u>James R. Williams</u>
<u>                    </u> Date	<u>                    </u> Witness
	<u>                    </u> Witness's Printed Name