

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT																
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT																
<b>CONVEYING PARTY DATA</b>																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Timothy M. Swager</td> <td>09/27/1999</td> </tr> <tr> <td>Vance Williams</td> <td>09/27/1999</td> </tr> <tr> <td>Yi-Jun Miao</td> <td>09/30/1999</td> </tr> <tr> <td>Claus G. Lugmair</td> <td>09/28/1999</td> </tr> <tr> <td>Igor A. Levitsky</td> <td>09/27/1999</td> </tr> <tr> <td>Jinsang Kim</td> <td>09/27/1999</td> </tr> <tr> <td>Jye-Shane Yang</td> <td>11/26/1999</td> </tr> </tbody> </table>		Name	Execution Date	Timothy M. Swager	09/27/1999	Vance Williams	09/27/1999	Yi-Jun Miao	09/30/1999	Claus G. Lugmair	09/28/1999	Igor A. Levitsky	09/27/1999	Jinsang Kim	09/27/1999	Jye-Shane Yang	11/26/1999
Name	Execution Date																
Timothy M. Swager	09/27/1999																
Vance Williams	09/27/1999																
Yi-Jun Miao	09/30/1999																
Claus G. Lugmair	09/28/1999																
Igor A. Levitsky	09/27/1999																
Jinsang Kim	09/27/1999																
Jye-Shane Yang	11/26/1999																
<b>RECEIVING PARTY DATA</b>																	
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:20%;"><b>Name:</b></td> <td>Massachusetts Institute of Technology</td> </tr> <tr> <td><b>Street Address:</b></td> <td>77 Massachusetts Avenue</td> </tr> <tr> <td><b>City:</b></td> <td>Cambridge</td> </tr> <tr> <td><b>State/Country:</b></td> <td>MASSACHUSETTS</td> </tr> <tr> <td><b>Postal Code:</b></td> <td>02139</td> </tr> </table>		<b>Name:</b>	Massachusetts Institute of Technology	<b>Street Address:</b>	77 Massachusetts Avenue	<b>City:</b>	Cambridge	<b>State/Country:</b>	MASSACHUSETTS	<b>Postal Code:</b>	02139						
<b>Name:</b>	Massachusetts Institute of Technology																
<b>Street Address:</b>	77 Massachusetts Avenue																
<b>City:</b>	Cambridge																
<b>State/Country:</b>	MASSACHUSETTS																
<b>Postal Code:</b>	02139																
<b>PROPERTY NUMBERS Total: 1</b>																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td><b>Application Number:</b></td> <td>11252419</td> </tr> </tbody> </table>		Property Type	Number	<b>Application Number:</b>	11252419												
Property Type	Number																
<b>Application Number:</b>	11252419																
<b>CORRESPONDENCE DATA</b>																	
<p>Fax Number: (617)646-8646  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 617-646-8000          Email: patents_TimO@Wolfgreenfield.com          Correspondent Name: Wolf Greenfield &amp; Sacks, P.C.          Address Line 1: 600 Atlantic Avenue          Address Line 4: Boston, MASSACHUSETTS 02210</p>																	
<b>ATTORNEY DOCKET NUMBER:</b>	M0925.70125US02 ASSIGNMEN																

OP \$40.00 11252419

**501049465**

**PATENT  
 REEL: 023693 FRAME: 0663**

NAME OF SUBMITTER:

Timothy J. Oyer

**Total Attachments: 8**

source=M092570125US02-ASSIGN-TJO#page1.tif

source=M092570125US02-ASSIGN-TJO#page2.tif

source=M092570125US02-ASSIGN-TJO#page3.tif

source=M092570125US02-ASSIGN-TJO#page4.tif

source=M092570125US02-ASSIGN-TJO#page5.tif

source=M092570125US02-ASSIGN-TJO#page6.tif

source=M092570125US02-ASSIGN-TJO#page7.tif

source=M092570125US02-ASSIGN-TJO#page8.tif

**COPY**

ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I the undersigned Timothy M. Swager, 18 Copley Street, Newton MA 02158; Jye-Shane Yang, Taiwan; Vance Williams, 502 Somerville Avenue #1, Somerville MA 02143; Yi-Jun Miao, 5840 Cameron Run Terrace #10007, Alexandria VA 22303; Claus G. Lugmair, PO Box 422, Mount Hernan CA 95041; Igor A. Levitsky of 476 Locust Street #5, Fall River MA 02720; Jinsang Kim of Eastgate 25D, 60 Wadsworth Street, Cambridge MA 02142; and Robert Deans, PO Box 425932, Cambridge MA 02139, hereby

Sell, assign and transfer to Massachusetts Institute of Technology, a Massachusetts corporation having a place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on May 5, 1999 under Serial No. 09/305,379 and entitled EMISSIVE POLYMERS AND DEVICES INCORPORATING THESE POLYMERS, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

I agree that said Assignee may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating to said inventions and the history thereof, and generally by doing everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee.

I hereby request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee.

I covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

PATENT

REEL: 023693 FRAME: 0665

Sept 27, 1999  
Date

Timothy M. Swager  
SIGNATURE Timothy M. Swager

**COPY**

STATE OF Massachusetts :  
COUNTY OF Middlesex :

Subscribed and sworn to before me this 27 day of September.

SEAL

Deborah Burke  
Notary Public  
My Commission Expires \_\_\_\_\_

Deborah Burke  
My Comm. Exp  
7/2/2004

\_\_\_\_\_  
Date

\_\_\_\_\_  
SIGNATURE Jye-Shane Yang

STATE OF \_\_\_\_\_ :  
COUNTY OF \_\_\_\_\_ :

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_.

SEAL

\_\_\_\_\_  
Notary Public  
My Commission Expires \_\_\_\_\_

Sept 27, 1999  
Date

Vance Williams  
SIGNATURE Vance Williams

STATE OF Massachusetts :  
COUNTY OF Middlesex :

Subscribed and sworn to before me this 27 day of September.

SEAL

Deborah Burke  
Notary Public  
My Commission Expires \_\_\_\_\_

Deborah Burke  
My Comm. Exp  
7/2/2004

9/30/99

*Yi-Jun Miao*

Date

SIGNATURE Yi-Jun Miao

STATE OF Virginia  
COUNTY OF Fairfax

**COPY**

Subscribed and sworn to before me this 30 day of Sept. 1999

SEAL

*[Signature]*  
Notary Public  
My Commission Expires 11/30/2002

9/28/99

*Claus G. Lugmair*

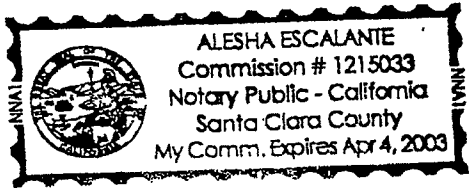
Date

SIGNATURE Claus G. Lugmair

STATE OF California  
COUNTY OF Santa Clara

Subscribed and sworn to before me this 28<sup>th</sup> day of SEPTEMBER 1999

SEAL



*Alesha Escalante*  
Notary Public  
My Commission Expires 4/4/03

09/27/99

*Igor Levitsky*

Date

SIGNATURE Igor A. Levitsky

STATE OF Massachusetts  
COUNTY OF Middlesex

Subscribed and sworn to before me this 27 day of September

SEAL

*Deborah Burke*  
Notary Public  
My Commission Expires  
Deborah Burke  
My Comm. Exp  
7/2/2004

PATENT

REEL: 023693 FRAME: 0667

**COPY**

Sep 27, 1999  
Date

[Signature]  
SIGNATURE Jinsang Kim

STATE OF Massachusetts :  
COUNTY OF Middlesex :

Subscribed and sworn to before me this 27 day of September.

SEAL

[Signature]  
Notary Public  
My Commission Expires Deborah Burke  
My Comm. Exp  
7/2/2004

27<sup>th</sup> SEPT '99  
Date

[Signature]  
SIGNATURE Robert Deans

STATE OF Massachusetts :  
COUNTY OF Middlesex :

Subscribed and sworn to before me this 27 day of September.

SEAL

[Signature]  
Notary Public  
My Commission Expires \_\_\_\_\_  
  
Deborah Burke  
My Comm. Exp  
7/2/2004

**COPY**

ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I the undersigned Timothy M. Swager, 18 Copley Street, Newton MA 02158; Jye-Shane Yang, Taiwan; Vance Williams, 502 Somerville Avenue #1, Somerville MA 02143; Yi-Jun Miao, 5840 Cameron Run Terrace #10007, Alexandria VA 22303; Claus G. Lugmair, PO Box 422, Mount Hernan CA 95041; Igor A. Levitsky of 476 Locust Street #5, Fall River MA 02720; Jinsang Kim of Eastgate 25D, 60 Wadsworth Street, Cambridge MA 02142; and Robert Deans, PO Box 425932, Cambridge MA 02139, hereby

Sell, assign and transfer to Massachusetts Institute of Technology, a Massachusetts corporation having a place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on May 5, 1999 under Serial No. 09/305,379 and entitled EMISSIVE POLYMERS AND DEVICES INCORPORATING THESE POLYMERS, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

I agree that said Assignee may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating to said inventions and the history thereof, and generally by doing everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee.

I hereby request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee.

I covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

**PATENT**

**REEL: 023693 FRAME: 0669**

**COPY**

Date \_\_\_\_\_

SIGNATURE Timothy M. Swager

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_

SEAL

Notary Public  
My Commission Expires \_\_\_\_\_

Nov. 26  
Date \_\_\_\_\_

*Jye-Shane Yang*  
SIGNATURE Jye-Shane Yang


STATE OF Taiwan  
COUNTY OF ROC

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_

本文件之簽名或蓋章，經中華民國台灣桃園地方法院公證處公證人認證。  
公證人 胡順隆

SEA Attested on this NOV 26 1999 day of \_\_\_\_\_ Notary Public  
19\_\_\_\_, at the Taiwan Taoyuan District Court, Republic of China. That signature(s)/seal(s) in this document is/are authentic.

Jen Tzu No. 2683 *Hu Shun Lung*  
Hu Shun Lung  
Notary Public



Date \_\_\_\_\_

SIGNATURE Vance Williams

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_

SEAL

Notary Public  
My Commission Expires \_\_\_\_\_



**COPY**

\_\_\_\_\_  
Date

\_\_\_\_\_  
SIGNATURE Yi-Jun Miao

STATE OF \_\_\_\_\_ :  
COUNTY OF \_\_\_\_\_ :

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_.

SEAL

\_\_\_\_\_  
Notary Public  
My Commission Expires \_\_\_\_\_

\_\_\_\_\_  
Date

\_\_\_\_\_  
SIGNATURE Claus G. Lugmair

STATE OF \_\_\_\_\_ :  
COUNTY OF \_\_\_\_\_ :

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_.

SEAL

\_\_\_\_\_  
Notary Public  
My Commission Expires \_\_\_\_\_

\_\_\_\_\_  
Date

\_\_\_\_\_  
SIGNATURE Igor A. Levitsky

STATE OF \_\_\_\_\_ :  
COUNTY OF \_\_\_\_\_ :

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_.

SEAL

\_\_\_\_\_  
Notary Public  
My Commission Expires \_\_\_\_\_

**COPY**

\_\_\_\_\_  
Date

\_\_\_\_\_  
SIGNATURE Jinsang Kim

STATE OF \_\_\_\_\_:

COUNTY OF \_\_\_\_\_:

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_.

SEAL

\_\_\_\_\_  
Notary Public

My Commission Expires \_\_\_\_\_

\_\_\_\_\_  
Date

\_\_\_\_\_  
SIGNATURE Robert Deans

STATE OF \_\_\_\_\_:

COUNTY OF \_\_\_\_\_:

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_.

SEAL

\_\_\_\_\_  
Notary Public

My Commission Expires \_\_\_\_\_

**PATENT**